APPENDIX D

System 1 – 21 Drainage Analysis Documentation

System 1

Pre-Development Land Use Tables
Post-Development Land Use Tables
Water Quality Summary Table
Drainage Calculations
Drainage System Summary Tables
Pre-Development Node Link Diagram
Pre-Development ICPR Input/Output
Post-Development Node Link Diagram
Post-Development ICPR Input/Output

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

PRE-DEVELOPMENT LAND-USE

Drainage System: **1** **SHGWT EL. (ft-NAVD):** **1.46**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
1AB01	**10**	**3.67**	**3.67**	2.34	0.00	1.33	**0.00**	0.00	0.00	0.00	11.05	9.59	8.18	**77.14**
1AB02	**10**	**3.97**	**3.97**	2.35	0.00	1.62	**0.00**	0.00	0.00	0.00	11.08	9.62	8.18	**74.98**
1AB03	**10**	**3.05**	**3.05**	1.80	0.00	1.25	**0.00**	0.00	0.00	0.00	11.02	9.56	8.18	**74.90**
1AB04	**10**	**4.30**	**4.30**	2.77	0.00	1.53	**0.00**	0.00	0.00	0.00	10.76	9.30	8.18	**77.46**
1B01	**10**	**2.28**	**2.28**	1.89	0.00	0.39	**0.00**	0.00	0.00	0.00	10.63	9.17	8.18	**87.73**
1B02	**10**	**2.28**	**2.28**	1.87	0.00	0.41	**0.00**	0.00	0.00	0.00	10.42	8.96	8.18	**87.18**
1B03	**10**	**1.56**	**1.56**	1.46	0.00	0.10	**0.00**	0.00	0.00	0.00	10.59	9.13	8.18	**95.02**
1B04	**10**	**1.17**	**1.17**	0.97	0.00	0.20	**0.00**	0.00	0.00	0.00	10.40	8.94	8.18	**87.74**
1B05	**10**	**1.57**	**1.57**	1.31	0.00	0.26	**0.00**	0.00	0.00	0.00	10.55	9.09	8.18	**88.07**
1B06	**10**	**0.49**	**0.49**	0.49	0.00	0.00	**0.00**	0.00	0.00	0.00	10.39	8.93	8.18	**98.00**
1B07	**10**	**0.49**	**0.49**	0.49	0.00	0.00	**0.00**	0.00	0.00	0.00	10.25	8.79	8.18	**98.00**
1B08	**10**	**0.63**	**0.63**	0.63	0.00	0.00	**0.00**	0.00	0.00	0.00	9.90	8.44	8.18	**98.00**
1B09	**10**	**0.27**	**0.27**	0.27	0.00	0.00	**0.00**	0.00	0.00	0.00	10.25	8.79	8.18	**98.00**
1B10	**10**	**0.67**	**0.67**	0.67	0.00	0.00	**0.00**	0.00	0.00	0.00	9.90	8.44	8.18	**98.00**
1B11	**10**	**0.57**	**0.57**	0.44	0.00	0.13	**0.00**	0.00	0.00	0.00	10.25	8.79	8.18	**84.28**
1B12	**10**	**0.97**	**0.97**	0.93	0.00	0.04	**0.00**	0.00	0.00	0.00	10.25	8.79	8.18	**96.74**
1B13	**10**	**0.64**	**0.64**	0.64	0.00	0.00	**0.00**	0.00	0.00	0.00	10.25	8.79	8.18	**98.00**
1B14	**10**	**0.65**	**0.65**	0.57	0.00	0.08	**0.00**	0.00	0.00	0.00	10.25	8.79	8.18	**90.86**
1B15	**10**	**0.81**	**0.81**	0.63	0.00	0.18	**0.00**	0.00	0.00	0.00	10.25	8.79	8.18	**84.62**
1B16	**10**	**0.30**	**0.30**	0.30	0.00	0.00	**0.00**	0.00	0.00	0.00	10.25	8.79	8.18	**98.00**
1B17	**10**	**0.22**	**0.22**	0.22	0.00	0.00	**0.00**	0.00	0.00	0.00	10.25	8.79	8.18	**98.00**
1B18	**10**	**0.59**	**0.59**	0.59	0.00	0.00	**0.00**	0.00	0.00	0.00	10.25	8.79	8.18	**98.00**
SYSTEM 1 TOTALS		**31.15**	**31.15**	**23.63**	**0.00**	**7.52**	**0.00**	**0.00**	**0.00**	**0.00**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

Drainage System: **1** **SHGWT EL. (ft-NAVD):** **1.46**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
1AB01	**10**	**3.67**	**3.67**	2.34	0.00	1.33	**0.00**	0.00	0.00	0.00	11.05	9.59	8.18	**77.14**
1AB02	**10**	**3.97**	**3.97**	2.35	0.00	1.62	**0.00**	0.00	0.00	0.00	11.08	9.62	8.18	**74.98**
1AB03	**10**	**2.93**	**2.93**	1.80	0.00	1.13	**0.00**	0.00	0.00	0.00	11.02	9.56	8.18	**76.02**
1AB04	**10**	**4.05**	**4.05**	2.75	0.00	1.30	**0.00**	0.00	0.00	0.00	10.76	9.30	8.18	**79.21**
1B01	**10**	**2.28**	**2.28**	1.89	0.00	0.39	**0.00**	0.00	0.00	0.00	10.63	9.17	8.18	**87.73**
1B02	**10**	**2.28**	**2.28**	1.87	0.00	0.41	**0.00**	0.00	0.00	0.00	10.42	8.96	8.18	**87.18**
1B03	**10**	**1.69**	**1.69**	1.59	0.00	0.10	**0.00**	0.00	0.00	0.00	10.59	9.13	8.18	**95.39**
1B04	**10**	**1.32**	**1.32**	1.12	0.00	0.20	**0.00**	0.00	0.00	0.00	10.40	8.94	8.18	**88.98**
1B05	**10**	**1.67**	**1.67**	1.41	0.00	0.26	**0.00**	0.00	0.00	0.00	10.55	9.09	8.18	**88.71**
1B06	**10**	**0.49**	**0.49**	0.49	0.00	0.00	**0.00**	0.00	0.00	0.00	10.39	8.93	8.18	**98.00**
1B07	**10**	**0.49**	**0.49**	0.49	0.00	0.00	**0.00**	0.00	0.00	0.00	10.25	8.79	8.18	**98.00**
1B08	**10**	**0.63**	**0.63**	0.63	0.00	0.00	**0.00**	0.00	0.00	0.00	9.90	8.44	8.18	**98.00**
1B09	**10**	**0.27**	**0.27**	0.27	0.00	0.00	**0.00**	0.00	0.00	0.00	10.25	8.79	8.18	**98.00**
1B10	**10**	**0.67**	**0.67**	0.67	0.00	0.00	**0.00**	0.00	0.00	0.00	9.90	8.44	8.18	**98.00**
1B11	**10**	**0.57**	**0.57**	0.44	0.00	0.13	**0.00**	0.00	0.00	0.00	10.25	8.79	8.18	**84.28**
1B12	**10**	**0.97**	**0.97**	0.93	0.00	0.04	**0.00**	0.00	0.00	0.00	10.25	8.79	8.18	**96.74**
1B13	**10**	**0.64**	**0.64**	0.57	0.00	0.07	**0.00**	0.00	0.00	0.00	10.25	8.79	8.18	**91.79**
1B14	**10**	**0.65**	**0.65**	0.65	0.00	0.00	**0.00**	0.00	0.00	0.00	10.25	8.79	8.18	**98.00**
1B15	**10**	**0.81**	**0.81**	0.63	0.00	0.18	**0.00**	0.00	0.00	0.00	10.25	8.79	8.18	**84.62**
1B16	**10**	**0.30**	**0.30**	0.30	0.00	0.00	**0.00**	0.00	0.00	0.00	10.25	8.79	8.18	**98.00**
1B17	**10**	**0.22**	**0.22**	0.22	0.00	0.00	**0.00**	0.00	0.00	0.00	10.25	8.79	8.18	**98.00**
1B18	**10**	**0.59**	**0.59**	0.59	0.00	0.00	**0.00**	0.00	0.00	0.00	10.25	8.79	8.18	**98.00**
SYSTEM 1 TOTALS		**31.16**	**31.16**	**24.00**	**0.00**	**7.16**	**0.00**	**0.00**	**0.00**	**0.00**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY SUMMARY

Drainage System: ***1***

SYSTEM	SHGWT EL. (ft-NAVD)	TOTAL ONSITE AREA (Ac.) *[POST-DEV.]*	ONSITE IMPERVIOUS AREA (Ac.) *[POST-DEV.]*	ADDITIONAL IMPERVIOUS AREA (Ac.) *[POST - PRE-DEV.]*	ADDITIONAL ONSITE PERVIOUS AREA (Ac.) *[POST - PRE-DEV.]*	SFWMD 2.5" OVER ADDITIONAL IMPERVIOUS AREA (Ac-ft)	[1] SFWMD WATER QUALITY TREATMENT REQUIRED FOR RETENTION (Ac-ft)	[2] DRER WATER QUALITY TREATMENT REQUIRED (Ac-ft)	[3] DRY- / WET-RETENTION TREATMENT VOLUME PROVIDED (Ac-ft)	FRENCH DRAIN TREATMENT VOLUME PROVIDED (Ac-ft)	TOTAL TREATMENT VOLUME PROVIDED (Ac-ft)	SFWMD SURPLUS TREATMENT VOLUME PROVIDED (Ac-ft)
1	1.46	31.16	24.00	0.37	0.00	0.08	**0.08**	**0.05**	0.00	0.37	**0.37**	**0.29**
SYSTEM TOTAL	1.46	31.16	24.00	0.37	0.00	0.08	**0.08**	**0.05**	0.00	0.37	**0.37**	**0.29**

[1] 2.5" over Additional Impervious Area.

[2] See next page for water quality calculations by Miami-Dade Department of Regulatory and Economic Resources (DRER).

[3] Multiplied by 2 to account for 50% retention volume credit.

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS
WATER QUALITY CALCULATIONS BY DRER

Drainage System: 1

AREA:

Additional Onsite Impervious	**0.37**	Ac.	100%
Additional Onsite Pervious	**0.00**	Ac.	0%
Additional Area	**0.37**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.90 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV}) / A_T =$ **0.90**

$t_{1"}$ = 9.96 min.

TOTAL TIME OF CONCENTRATION (T_T)

$T_T = t_{1"} + Tc =$ 19.96 min.

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.74 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ Q_{1"}\ T_T =$ **2288.82** **cf** **0.05** **ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

VARIABLE GROUNDWATER CALCULATIONS

Drainage System: **1**

Stage = DHW + [PRG x (RF - DHW)]
See ADICPR Technical Design Guide 2-25

Elevation Conversion:	-1.54	ft.	(NGVD-NAVD)

DHW =	3.00	ft. - NGVD	Design High Water / October Average Groundwater Elevation
	1.46	ft. - NAVD	(MD PWD - W.C. 2.2)
RF =	4.25	ft. - NGVD	Return Frequency Groundwater Elevation / Average Yearly Highest Groundwater Level (AYH) (MD
	2.71	ft. - NAVD	PWD - W.C. 2.1)
PRG=	Variable		(Percentage Rise in Groundwater)

8HR Design Storm Duration		
Time	PRG	Stage
(hrs)	%	(ft)
0	0.00	1.46
1	0.02	1.49
2	0.13	1.62
3	0.28	1.81
4	0.70	2.34
5	0.86	2.54
6	0.92	2.61
7	0.97	2.67
8	1.00	2.71
12	0.00	1.46

24HR DESIGN STORM DURATION		
TIME	**PRG**	**STAGE**
(hrs)	**%**	**(ft-NAVD)**
0.00	0.00	1.46
1.00	0.01	1.47
2.00	0.03	1.50
3.00	0.06	1.54
4.00	0.09	1.57
5.00	0.12	1.61
6.00	0.16	1.66
7.00	0.20	1.71
8.00	0.24	1.76
9.00	0.30	1.84
10.00	0.36	1.91
11.00	0.44	2.01
12.00	0.54	2.14
13.00	0.61	2.22
14.00	0.67	2.30
15.00	0.73	2.37
16.00	0.78	2.44
17.00	0.82	2.49
18.00	0.86	2.54
19.00	0.90	2.59
20.00	0.93	2.62
21.00	0.96	2.66
22.00	0.98	2.69
23.00	0.99	2.70
24.00	1.00	2.71
36.00	0.00	1.46

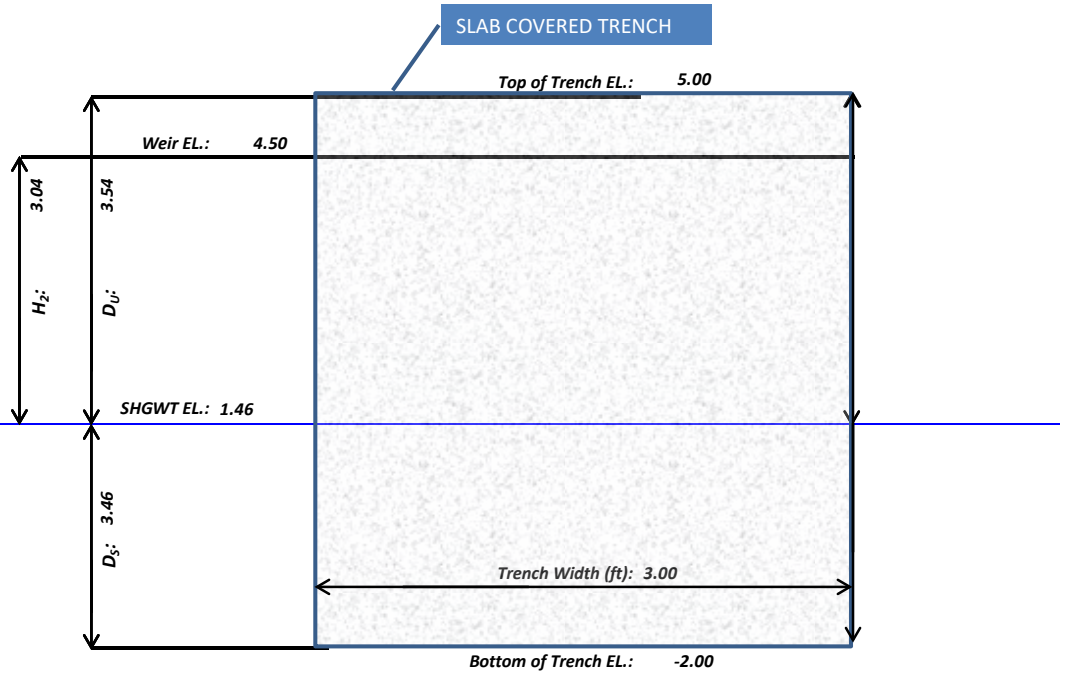
72HR DESIGN STORM DURATION		
TIME	**PRG**	**STAGE**
(hrs)	**%**	**(ft-NAVD)**
0.00	0.00	1.46
24.00	0.11	1.59
36.00	0.19	1.69
48.00	0.26	1.79
49.00	0.27	1.80
50.00	0.28	1.81
51.00	0.29	1.82
52.00	0.30	1.83
53.00	0.31	1.85
54.00	0.33	1.87
55.00	0.34	1.89
56.00	0.37	1.92
57.00	0.39	1.95
57.50	0.40	1.97
58.00	0.42	1.99
58.50	0.44	2.01
59.00	0.46	2.04
59.50	0.50	2.08
60.00	0.75	2.39
60.50	0.80	2.46
61.00	0.83	2.50
61.50	0.85	2.52
62.00	0.87	2.54
62.50	0.88	2.56
63.00	0.89	2.57
64.00	0.91	2.60
65.00	0.92	2.62
66.00	0.94	2.63
68.00	0.96	2.67
70.00	0.98	2.69
72.00	1.00	2.71
108.00	0.00	1.46

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

SLAB COVERED TRENCH DESIGN & TREATMENT VOLUMES

Drainage System: 1

Slab Covered Trench (ICPR Link Name):	**EX1S01A_1GW1/EX1S01B_1GW1**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.46**
Pipe Size (in):	**-**
Effective Length of Trench, *L* (LF):	**1320.0**
Safety Factor (SF):	**2.00**
Effective Length of Trench with Safety Factor, *L* (LF):	**660.00**
Pipe Thickness (in):	-
Pipe Invert EL. (ft-NAVD):	-
Top of Trench EL. (ft-NAVD):	5.00
Bottom of Trench EL. (ft-NAVD):	-2.00
Trench Height, H_T (ft):	7.00
Weir EL. (ft-NAVD):	4.50
Trench Width, *W* (ft):	3.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**1.16E-04**
Depth to Water Table, H_2 (ft):	3.04
Non-Saturated Trench Depth, D_U (ft):	3.54
Saturated Trench Depth, D_S (ft):	3.46
H_2W:	9.12
$2H_2D_U$:	21.52
D_U^2:	12.53
$2H_2D_S$:	21.04
$(1.39x10^{-4})WD_U$:	0.001476
d_2:	0.00
d_3:	0.00
K_{10}:	1.16E-04
K_{15}:	1.16E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	**3.97**
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	**N/A***
$D_U > D_S$ and $W < 2H_T$(Yes/No):	Yes
Treatment Volume Provided, *V* (Ac-ft):	**0.33**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

SLAB COVERED TRENCH OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 1

Slab Covered Trench (ICPR Link Name): EX1S01A_1GW1/EX1S01B_1GW1

Existing/Proposed: Existing

Pipe Size (in): -

1 /2 Length of Trench, *L* (LF) * : 330.00

Trench Height, H_T (ft): 7.00

Trench Width, *W* (ft): 3.00

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): 1.160E-04

Pipe Invert EL. (ft-NAVD): -

Top of Trench EL. (ft-NAVD): 5.00

Bottom of Trench EL. (ft-NAVD): -2.00

Weir EL. (ft-NAVD): 4.50

Upstream Structure Rim/Grate EL. (ft-NAVD): 11.21

SHGWT EL. (ft-NAVD): 1.46

Max Stage (ft-NAVD): *10.23*

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** 2.71

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.46	**1.46**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.46	**5.00**	3.54	3.46	3.54	0.00430	**1.4174**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.46	**10.23**	3.54	3.46	8.77	0.01279	**4.2203**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.71	**2.71**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.71	**5.00**	2.29	4.96	2.29	0.00324	**1.0703**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.71	**10.23**	2.29	4.96	7.52	0.01204	**3.9733**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

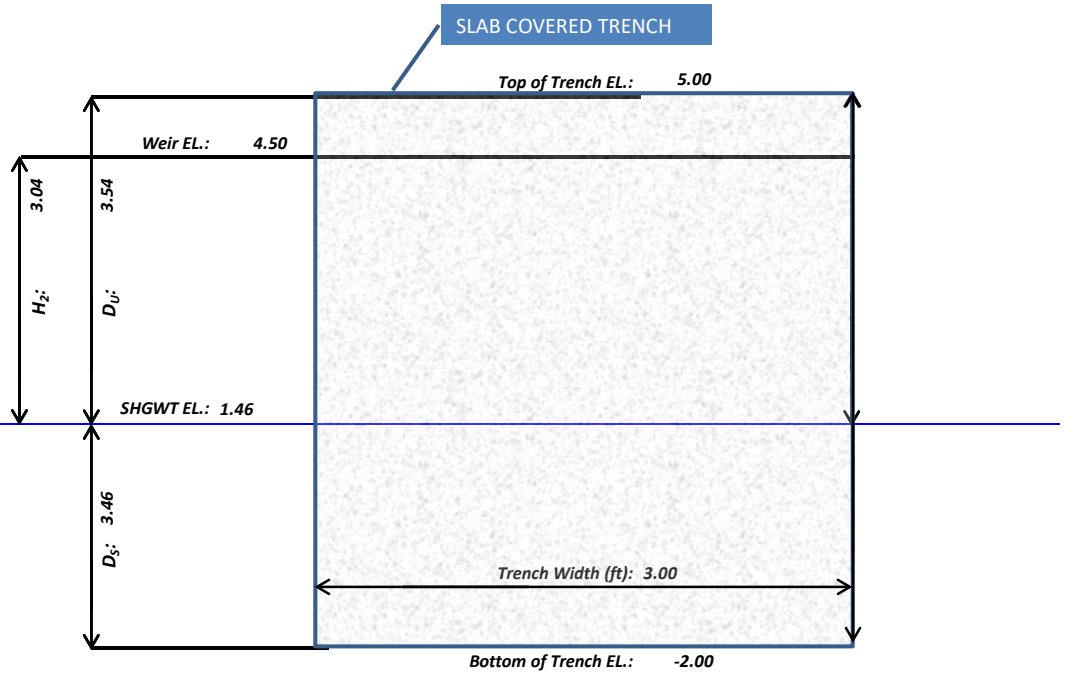
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.46	**1.46**	**0.0000**
1.46	**5.00**	**1.4174**
1.46	**10.23**	**4.2203**
2.71	**2.71**	**0.0000**
2.71	**5.00**	**1.0703**
2.71	**10.23**	**3.9733**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

SLAB COVERED TRENCH DESIGN & TREATMENT VOLUMES

Drainage System: 1

Slab Covered Trench (ICPR Link Name):	**EX1S01B_1GW2/EX1S03A_1GW2**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.46**
Pipe Size (in):	**-**
Effective Length of Trench, *L* (LF):	**1340.0**
Safety Factor (SF):	**2.00**
Effective Length of Trench with Safety Factor, *L* (LF):	**670.00**
Pipe Thickness (in):	-
Pipe Invert EL. (ft-NAVD):	-
Top of Trench EL. (ft-NAVD):	5.00
Bottom of Trench EL. (ft-NAVD):	-2.00
Trench Height, H_T (ft):	7.00
Weir EL. (ft-NAVD):	4.50
Trench Width, *W* (ft):	3.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**1.16E-04**
Depth to Water Table, H_2 (ft):	3.04
Non-Saturated Trench Depth, D_U (ft):	3.54
Saturated Trench Depth, D_S (ft):	3.46
H_2W:	9.12
$2H_2D_U$:	21.52
D_U^2:	12.53
$2H_2D_S$:	21.04
$(1.39x10^{-4})WD_U$:	0.001476
d_2:	0.00
d_3:	0.00
K_{10}:	1.16E-04
K_{15}:	1.16E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	**4.03**
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	**N/A***
$D_U > D_S$ and $W < 2H_T$(Yes/No):	Yes
Treatment Volume Provided, *V* (Ac-ft):	**0.34**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

SLAB COVERED TRENCH OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 1

Slab Covered Trench (ICPR Link Name): EX1S01B_1GW2/EX1S03A_1GW2

Existing/Proposed: Existing

Pipe Size (in): -

1 /2 Length of Trench, *L* (LF) * : 335.00

Trench Height, H_T (ft): 7.00

Trench Width, *W* (ft): 3.00

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} ($cfs/ft^2/ft$-head): 1.160E-04

Pipe Invert EL. (ft-NAVD): -

Top of Trench EL. (ft-NAVD): 5.00

Bottom of Trench EL. (ft-NAVD): -2.00

Weir EL. (ft-NAVD): 4.50

Upstream Structure Rim/Grate EL. (ft-NAVD): 11.21

SHGWT EL. (ft-NAVD): 1.46

Max Stage (ft-NAVD): *10.23*

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** 2.71

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.46	**1.46**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.46	**5.00**	3.54	3.46	3.54	0.00430	**1.4389**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.46	**10.23**	3.54	3.46	8.77	0.01279	**4.2843**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.71	**2.71**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.71	**5.00**	2.29	4.96	2.29	0.00324	**1.0866**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.71	**10.23**	2.29	4.96	7.52	0.01204	**4.0335**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

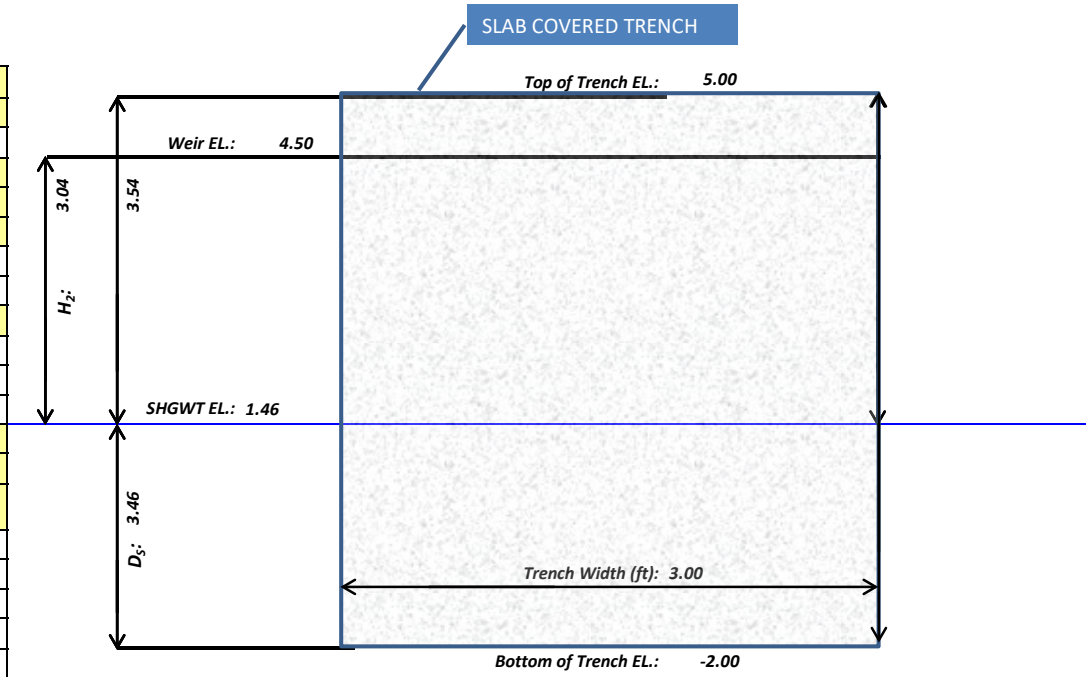
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.46	**1.46**	**0.0000**
1.46	**5.00**	**1.4389**
1.46	**10.23**	**4.2843**
2.71	**2.71**	**0.0000**
2.71	**5.00**	**1.0866**
2.71	**10.23**	**4.0335**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

SLAB COVERED TRENCH DESIGN & TREATMENT VOLUMES

Drainage System: 1

Slab Covered Trench (ICPR Link Name):	EX1S02A_1GW3/EX1S02B_1GW3
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.46
Pipe Size (in):	-
Effective Length of Trench, L (LF):	445.0
Safety Factor (SF):	2.00
Effective Length of Trench with Safety Factor, L (LF):	222.50
Pipe Thickness (in):	-
Pipe Invert EL. (ft-NAVD):	-
Top of Trench EL. (ft-NAVD):	5.00
Bottom of Trench EL. (ft-NAVD):	-2.00
Trench Height, H_T (ft):	7.00
Weir EL. (ft-NAVD):	4.50
Trench Width, W (ft):	3.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	1.16E-04
Depth to Water Table, H_2 (ft):	3.04
Non-Saturated Trench Depth, D_U (ft):	3.54
Saturated Trench Depth, D_S (ft):	3.46
H_2W:	9.12
$2H_2D_U$:	21.52
D_U^2:	12.53
$2H_2D_S$:	21.04
$(1.39x10^{-4})WD_U$:	0.001476
d_2:	0.00
d_3:	0.00
K_{10}:	1.16E-04
K_{15}:	1.16E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	1.34
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	N/A*
$D_U > D_S$ and $W < 2H_T$(Yes/No):	Yes
Treatment Volume Provided, V (Ac-ft):	**0.11**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

SLAB COVERED TRENCH OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 1

Slab Covered Trench (ICPR Link Name): EX1S02A_1GW3/EX1S02B_1GW3

Existing/Proposed: Existing

Pipe Size (in): -

1 /2 Length of Trench, *L* (LF) * : 111.25

Trench Height, H_T (ft): 7.00

Trench Width, *W* (ft): 3.00

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} ($cfs/ft^2/ft$-head): 1.160E-04

Pipe Invert EL. (ft-NAVD): -

Top of Trench EL. (ft-NAVD): 5.00

Bottom of Trench EL. (ft-NAVD): -2.00

Weir EL. (ft-NAVD): 4.50

Upstream Structure Rim/Grate EL. (ft-NAVD): 11.08

SHGWT EL. (ft-NAVD): 1.46

Max Stage (ft-NAVD): *10.23*

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** 2.71

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.46	**1.46**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.46	**5.00**	3.54	3.46	3.54	0.00430	**0.4779**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.46	**10.23**	3.54	3.46	8.77	0.01279	**1.4228**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.71	**2.71**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.71	**5.00**	2.29	4.96	2.29	0.00324	**0.3608**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.71	**10.23**	2.29	4.96	7.52	0.01204	**1.3395**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

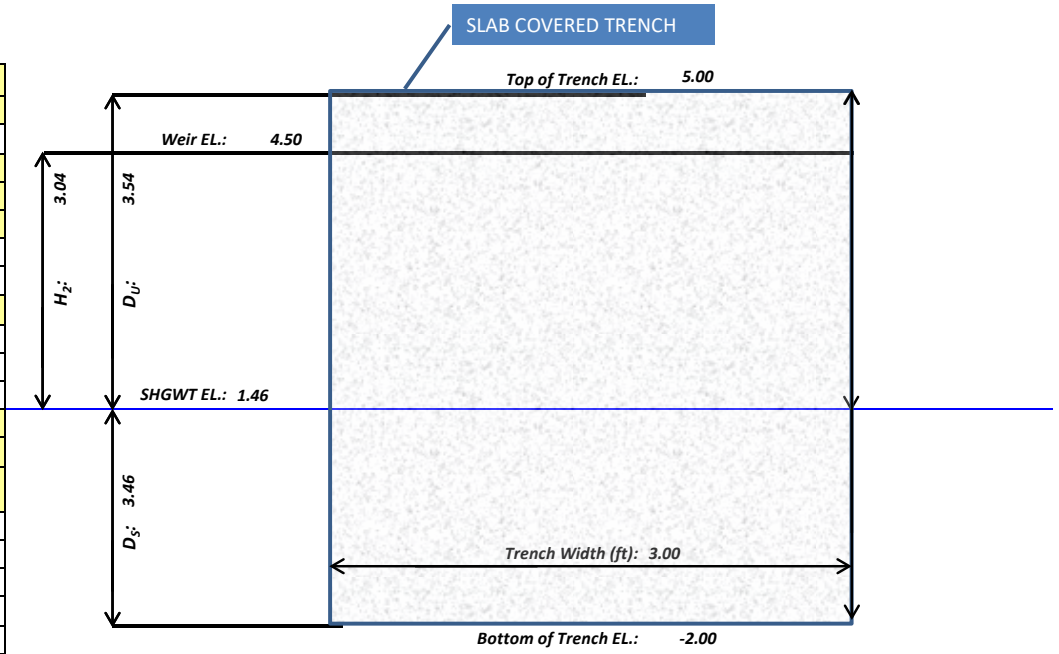
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.46	**1.46**	**0.0000**
1.46	**5.00**	**0.4779**
1.46	**10.23**	**1.4228**
2.71	**2.71**	**0.0000**
2.71	**5.00**	**0.3608**
2.71	**10.23**	**1.3395**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

SLAB COVERED TRENCH DESIGN & TREATMENT VOLUMES

Drainage System: 1

Slab Covered Trench (ICPR Link Name):	EX1S02B_1GW4/EX1S03A_1GW4
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.46
Pipe Size (in):	-
Effective Length of Trench, L (LF):	1267.0
Safety Factor (SF):	2.00
Effective Length of Trench with Safety Factor, L (LF):	633.50
Pipe Thickness (in):	-
Pipe Invert EL. (ft-NAVD):	-
Top of Trench EL. (ft-NAVD):	5.00
Bottom of Trench EL. (ft-NAVD):	-2.00
Trench Height, H_T (ft):	7.00
Weir EL. (ft-NAVD):	4.50
Trench Width, W (ft):	3.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	1.16E-04
Depth to Water Table, H_2 (ft):	3.04
Non-Saturated Trench Depth, D_U (ft):	3.54
Saturated Trench Depth, D_S (ft):	3.46
H_2W:	9.12
$2H_2D_U$:	21.52
D_U^2:	12.53
$2H_2D_S$:	21.04
$(1.39x10^{-4})WD_U$:	0.001476
d_2:	0.00
d_3:	0.00
K_{10}:	1.16E-04
K_{15}:	1.16E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	3.81
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	N/A*
$D_U > D_S$ and $W < 2H_T$(Yes/No):	Yes
Treatment Volume Provided, V (Ac-ft):	**0.32**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39\text{x}10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

SLAB COVERED TRENCH OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 1

Slab Covered Trench (ICPR Link Name): **EX1S02B_1GW4/EX1S03A_1GW4**

Existing/Proposed: **Existing**

Pipe Size (in): -

1 /2 Length of Trench, *L* (LF) * : **316.75**

Trench Height, H_T (ft): **7.00**

Trench Width, *W* (ft): **3.00**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head): **1.160E-04**

Pipe Invert EL. (ft-NAVD): -

Top of Trench EL. (ft-NAVD): **5.00**

Bottom of Trench EL. (ft-NAVD): **-2.00**

Weir EL. (ft-NAVD): **4.50**

Upstream Structure Rim/Grate EL. (ft-NAVD): **10.98**

SHGWT EL. (ft-NAVD): **1.46**

Max Stage (ft-NAVD): ***10.23***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.71**

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.46	**1.46**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.46	**5.00**	3.54	3.46	3.54	0.00430	**1.3605**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.46	**10.23**	3.54	3.46	8.77	0.01279	**4.0509**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.71	**2.71**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.71	**5.00**	2.29	4.96	2.29	0.00324	**1.0274**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.71	**10.23**	2.29	4.96	7.52	0.01204	**3.8138**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

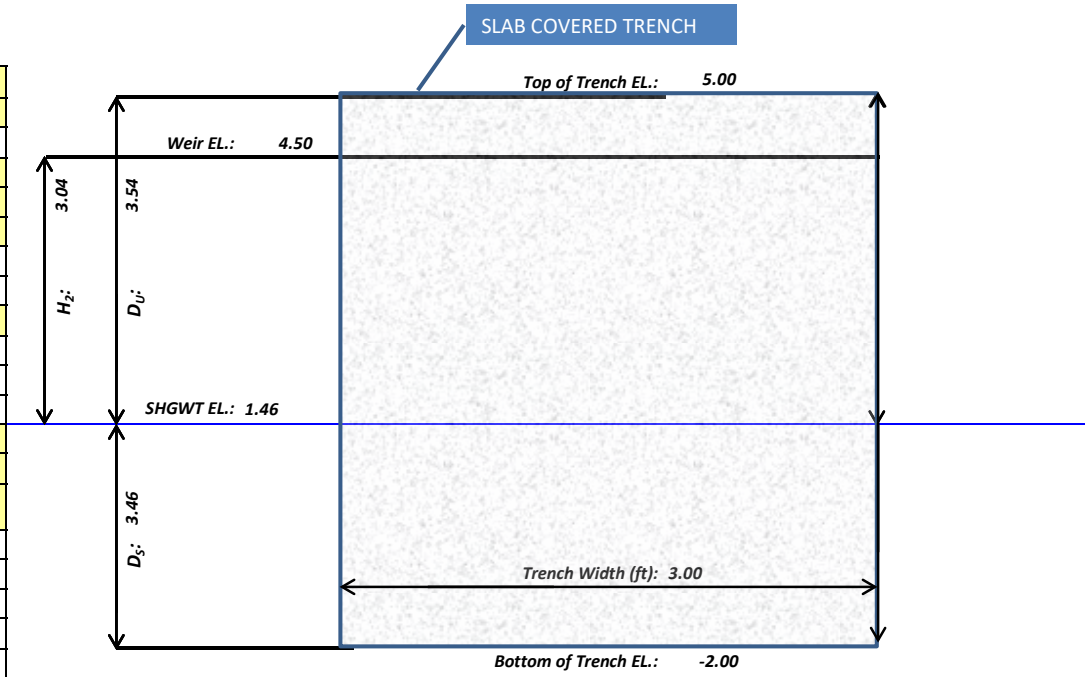
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.46	**1.46**	**0.0000**
1.46	**5.00**	**1.3605**
1.46	**10.23**	**4.0509**
2.71	**2.71**	**0.0000**
2.71	**5.00**	**1.0274**
2.71	**10.23**	**3.8138**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

SLAB COVERED TRENCH DESIGN & TREATMENT VOLUMES

Drainage System: 1

Slab Covered Trench (ICPR Link Name):	**EX1S03A_1GW5/EX1S04A_1GW5**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.46**
Pipe Size (in):	**-**
Effective Length of Trench, *L* (LF):	**340.0**
Safety Factor (SF):	**2.00**
Effective Length of Trench with Safety Factor, *L* (LF):	**170.00**
Pipe Thickness (in):	-
Pipe Invert EL. (ft-NAVD):	-
Top of Trench EL. (ft-NAVD):	5.00
Bottom of Trench EL. (ft-NAVD):	-2.00
Trench Height, H_T (ft):	7.00
Weir EL. (ft-NAVD):	4.50
Trench Width, *W* (ft):	3.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head):	**1.16E-04**
Depth to Water Table, H_2 (ft):	3.04
Non-Saturated Trench Depth, D_U (ft):	3.54
Saturated Trench Depth, D_S (ft):	3.46
H_2W:	9.12
$2H_2D_U$:	21.52
D_U^2:	12.53
$2H_2D_S$:	21.04
$(1.39x10^{-4})WD_U$:	0.001476
d_2:	0.00
d_3:	0.00
K_{10}:	1.16E-04
K_{15}:	1.16E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	**1.02**
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	**N/A***
$D_U > D_S$ and $W < 2H_T$(Yes/No):	Yes
Treatment Volume Provided, *V* (Ac-ft):	**0.09**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

SLAB COVERED TRENCH OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 1

Slab Covered Trench (ICPR Link Name): EX1S03A_1GW5/EX1S04A_1GW5

Existing/Proposed: Existing

Pipe Size (in): -

1 /2 Length of Trench, *L* (LF) * : 85.00

Trench Height, H_T (ft): 7.00

Trench Width, *W* (ft): 3.00

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): 1.160E-04

Pipe Invert EL. (ft-NAVD): -

Top of Trench EL. (ft-NAVD): 5.00

Bottom of Trench EL. (ft-NAVD): -2.00

Weir EL. (ft-NAVD): 4.50

Upstream Structure Rim/Grate EL. (ft-NAVD): 10.98

SHGWT EL. (ft-NAVD): 1.46

Max Stage (ft-NAVD): *10.23*

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** 2.71

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.46	**1.46**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.46	**5.00**	3.54	3.46	3.54	0.00430	**0.3651**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.46	**10.23**	3.54	3.46	8.77	0.01279	**1.0870**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.71	**2.71**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.71	**5.00**	2.29	4.96	2.29	0.00324	**0.2757**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.71	**10.23**	2.29	4.96	7.52	0.01204	**1.0234**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

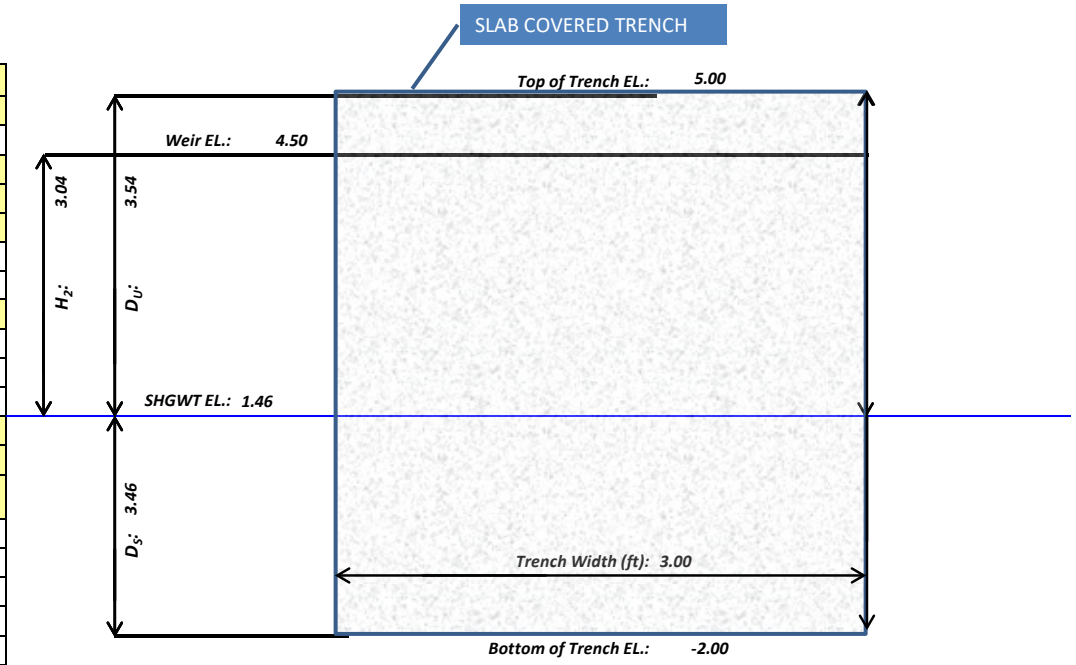
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.46	**1.46**	**0.0000**
1.46	**5.00**	**0.3651**
1.46	**10.23**	**1.0870**
2.71	**2.71**	**0.0000**
2.71	**5.00**	**0.2757**
2.71	**10.23**	**1.0234**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

SLAB COVERED TRENCH DESIGN & TREATMENT VOLUMES

Drainage System: 1

Slab Covered Trench (ICPR Link Name):	**EX1S04A_1GW6/EX1S05A_1GW6**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.46**
Pipe Size (in):	-
Effective Length of Trench, *L* (LF):	**1450.0**
Safety Factor (SF):	**2.00**
Effective Length of Trench with Safety Factor, *L* (LF):	**725.00**
Pipe Thickness (in):	-
Pipe Invert EL. (ft-NAVD):	-
Top of Trench EL. (ft-NAVD):	5.00
Bottom of Trench EL. (ft-NAVD):	-2.00
Trench Height, H_T (ft):	7.00
Weir EL. (ft-NAVD):	4.50
Trench Width, *W* (ft):	3.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**1.16E-04**
Depth to Water Table, H_2 (ft):	3.04
Non-Saturated Trench Depth, D_U (ft):	3.54
Saturated Trench Depth, D_S (ft):	3.46
H_2W:	9.12
$2H_2D_U$:	21.52
D_U^2:	12.53
$2H_2D_S$:	21.04
$(1.39x10^{-4})WD_U$:	0.001476
d_2:	0.00
d_3:	0.00
K_{10}:	1.16E-04
K_{15}:	1.16E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	**4.36**
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	**N/A***
$D_U > D_S$ and $W < 2H_T$(Yes/No):	Yes
Treatment Volume Provided, *V* (Ac-ft):	**0.36**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

SLAB COVERED TRENCH OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 1

Slab Covered Trench (ICPR Link Name): EX1S04A_1GW6/EX1S05A_1GW6

Existing/Proposed: Existing

Pipe Size (in): -

1 /2 Length of Trench, *L* (LF) * : 362.50

Trench Height, H_T (ft): 7.00

Trench Width, *W* (ft): 3.00

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): 1.160E-04

Pipe Invert EL. (ft-NAVD): -

Top of Trench EL. (ft-NAVD): 5.00

Bottom of Trench EL. (ft-NAVD): -2.00

Weir EL. (ft-NAVD): 4.50

Upstream Structure Rim/Grate EL. (ft-NAVD): 10.98

SHGWT EL. (ft-NAVD): 1.46

Max Stage (ft-NAVD): *10.23*

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** 2.71

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.46	**1.46**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.46	**5.00**	3.54	3.46	3.54	0.00430	**1.5570**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.46	**10.23**	3.54	3.46	8.77	0.01279	**4.6359**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.71	**2.71**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.71	**5.00**	2.29	4.96	2.29	0.00324	**1.1758**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.71	**10.23**	2.29	4.96	7.52	0.01204	**4.3646**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

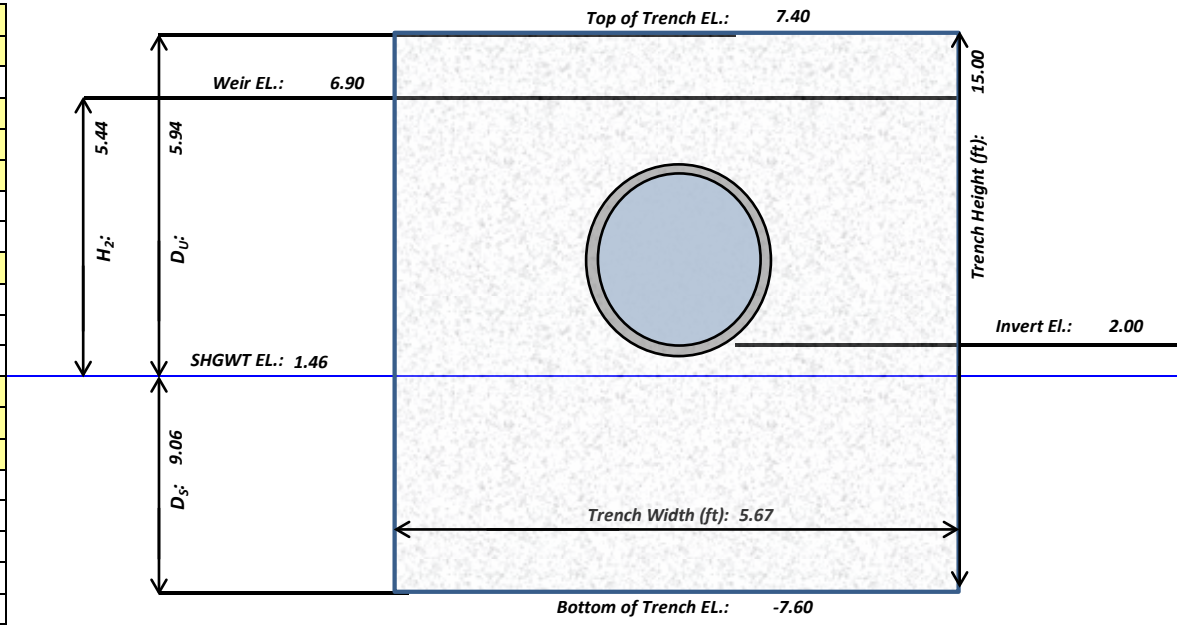
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.46	**1.46**	**0.0000**
1.46	**5.00**	**1.5570**
1.46	**10.23**	**4.6359**
2.71	**2.71**	**0.0000**
2.71	**5.00**	**1.1758**
2.71	**10.23**	**4.3646**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 1

French Drain (ICPR Link Name):	PR1S01_1GW7/PR1S02_1GW7
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.46
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	450.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	225.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	2.00
Top of Trench EL. (ft-NAVD):	7.40
Bottom of Trench EL. (ft-NAVD):	-7.60
Trench Height, H_T (ft):	15.00
Weir EL. (ft-NAVD):	6.90
Trench Width, W (ft):	5.67
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	1.16E-04
Depth to Water Table, H_2 (ft):	5.44
Non-Saturated Trench Depth, D_U (ft):	5.94
Saturated Trench Depth, D_S (ft):	9.06
H_2W:	30.84
$2H_2D_U$:	64.63
D_U^2:	35.28
$2H_2D_S$:	98.57
$(1.39x10^{-4})WD_U$:	0.004681
d_2:	0.00
d_3:	0.00
K_{10}:	1.16E-04
K_{15}:	1.16E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	4.39
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.37**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 1

French Drain (ICPR Link Name): PR1S01_1GW7/PR1S02_1GW7
Existing/Proposed: Proposed
Pipe Size (in): 36
1 /2 Length of French Drain, *L* (LF) * : 112.50
Trench Height, H_T (ft): 15.00
Trench Width, *W* (ft): 5.67

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): 1.160E-04
Pipe Invert EL. (ft-NAVD): 2.00
Top of Trench EL. (ft-NAVD): 7.40
Bottom of Trench EL. (ft-NAVD): -7.60
Weir EL. (ft-NAVD): 6.90
Upstream Structure Rim/Grate EL. (ft-NAVD): 8.40

SHGWT EL. (ft-NAVD): 1.46
Max Stage (ft-NAVD): *8.40*
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** 2.71
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.46	**1.46**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.46	**7.40**	5.94	2.63	5.94	0.00772	**0.8682**	$E = 2K_{10}D_U(D_U/2+d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.46	**8.40**	5.94	2.63	6.94	0.00971	**1.0919**	$E = 2K_{10}[D_U(D_P-D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.71	**2.50**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.71	**7.40**	4.69	4.13	4.69	0.00705	**0.7926**	$E = 2K_{10}D_U(D_U/2+d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.71	**8.40**	4.69	4.13	5.69	0.00909	**1.0228**	$E = 2K_{10}[D_U(D_P-D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.46	**1.46**	**0.0000**
1.46	**7.40**	**0.8682**
1.46	**8.40**	**1.0919**
2.71	**2.50**	**0.0000**
2.71	**7.40**	**0.7926**
2.71	**8.40**	**1.0228**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

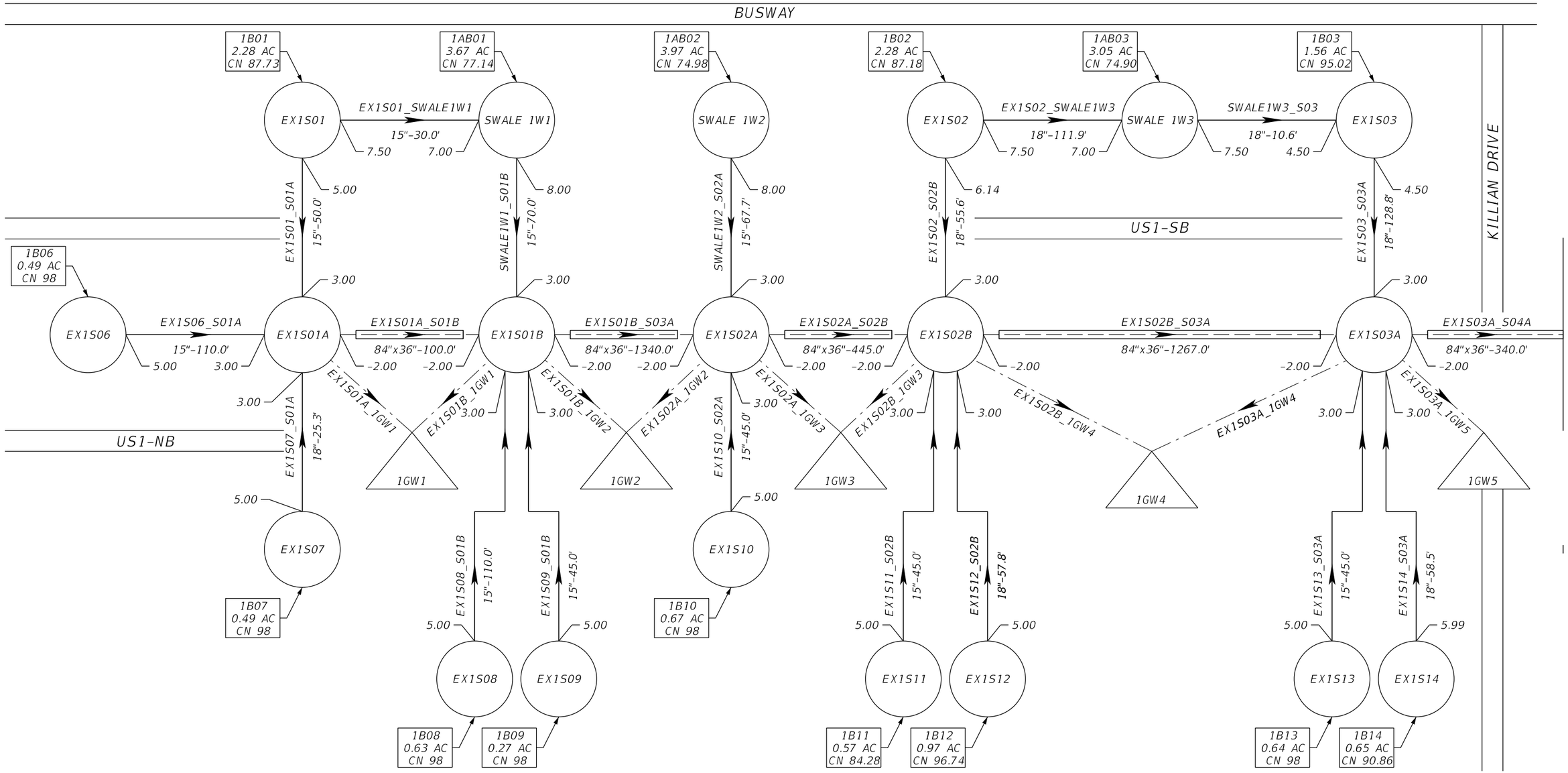
DRAINAGE SYSTEM SUMMARY TABLES

Drainage System: ***1***

Summary of Peak Discharges			
Receiving Waterbody:	**C-100A Canal**		
PRE-DEVELOPMENT			
ICPR Node	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
C-100A	0.00	16.43	0.19
PRE-DEVELOPMENT TOTALS:	**0.00**	**16.43**	**0.19**
POST-DEVELOPMENT			
ICPR Node	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
C-100A	0.00	12.35	0.00
POST-DEVELOPMENT TOTALS:	**0.00**	**12.35**	**0.00**
Pre-Post 25yr-72hr Peak Discharge Reduction (cfs):	***4.08***		

Summary of Peak Stages									
				PRE-DEVELOPMENT			**POST-DEVELOPMENT**		
Pond/ Swale/ FD #	**Type: [Wet/Dry, Det./Ret., FD]**	**Disposition [Exist./ Prop./ Modified]**	**Warning EL. [Min. Berm/ Min. EOP] (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**
SWALE 1W1	Dry	Exist.	10.00	8.22	9.83	8.49	8.22	9.87	8.49
SWALE 1W2	Dry	Exist.	10.00	8.48	9.54	8.77	8.48	9.58	8.76
SWALE 1W3	Dry	Modified	10.00	7.90	9.79	8.15	7.92	9.83	8.18
SWALE 1W4	Dry	Modified	10.00	6.87	9.00	8.23	7.00	9.32	8.29
PR1S01	FD	Prop.	8.70	-	-	-	1.46	3.83	1.46
PR1S02	FD	Prop.	8.40	-	-	-	1.46	3.83	1.46

Control Structure Summary Table - Proposed Conditions					
Control Structure:	**Disposition [Exist./ Prop./ Modified]**	**Weir Type/ Geometry**	**Weir EL. (ft-NAVD)**	**Bleeder Type/ Geometry**	**Bleeder Invert EL. (ft-NAVD)**
PR1AS05A_WEIR	Modified	Horizontal / Rectangular	8.68	-	-
C-100A_WEIR	Modified	Vertical / Broad Crested (Overland)	9.18	-	-
EX1S18_WEIR	Exist.	Vertical / Broad Crested (Overland)	9.44	-	-



LEGEND					
B-### #.## AC CN ##.# — CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER	NODE NAME — BOUNDARY NODE WITH CONSTANT TAILWATER	###-### ##"-### #.## #.## — EXFILTRATION TRENCH LINK WITH SIZE-LENGTH INVERT ELEVATION	####_WEIR VERTICAL TYPE EL. #.##, ## — WEIR LINK WITH WEIR TYPE ELEVATION, WIDTH	###### CHANNEL ###' #.## #.## — CHANNEL LINK WITH LENGTH INVERT ELEVATION	
#-### — NODE NAME	PATRICIA LAKE — BOUNDARY NODE WITH VARIABLE TAILWATER	###-### (#)##"-###' #.## #.## — PIPE LINK WITH (QUANTITY)SIZE-LENGTH INVERT ELEVATION	##_## — RATING CURVE LINK		

N.T.S.

1 OF 2

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

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BUSWAY

C-100A CANAL

EX1AS05B

EX1AS08A_WEIR
HORIZONTAL TYPE
EL. 8.18, 3.50

4.00

EX1AS05B_C-100A
24"-124.4'

1.00

1B04
1.17 AC
CN 87.74

1AB04
4.30 AC
CN 77.46

EX1S04

EX1S04_SWALE1W4
15"-293.5'

7.00

6.00

SWALE 1W4

SWALE1W4_S05A
18"-30.0'

6.00

3.00

EX1AS05A

C-100A_WEIR
VERTICAL TYPE
EL. 8.68, 15.0

C-100A

1B16
0.30 AC
CN 98

EX1S16

EX1S16_S05A
15"-45.0'

3.00

5.00

EX1S05_AS05A
18"-94.2'

4.1

US1-SB

MATCHLINE A-A

5.70

EX1S04_S04A
15"-50.0'

3.00

EX1S04A

EX1S04A_S05A
84"x36"-1450.0'

-2.00

-2.00

EX1S05A

EX1S05_S05A
15"-52.1'

3.00

5.73

EX1S05

5.73

1B05
1.57 AC
CN 88.07

EX1S04A_1GW5

EX1S04A_1GW6

EX1S05A_1GW6

3.00

1.20

3.00

EX1S17_S05A
15"-45.0'

5.00

US1-NB

EX1S15_S04A
18"-42.6'

1GW5

1GW6

EX1S18_S05A
15"-52.8'

6.28

1.50

EX1S17

1B17
0.22 AC
CN 98

EX1S15

EX1S18

EX1S18_WEIR
VERTICAL TYPE
EL. 9.44, 15.0

1B15
0.81 AC
CN 84.62

1B18
0.59 AC
CN 98

C-100A CANAL

N.T.S.

2 OF 2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-2

Simple Basin: 1AB01

Scenario:	Scenario1
Node:	SWALE 1W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.6700 ac
Curve Number:	77.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1AB02

Scenario:	Scenario1
Node:	SWALE 1W2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9700 ac
Curve Number:	75.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1AB03

Scenario:	Scenario1
Node:	SWALE 1W3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.0500 ac
Curve Number:	74.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1AB04

Scenario:	Scenario1
Node:	SWALE 1W4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.3000 ac
Curve Number:	77.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B01

Scenario:	Scenario1
Node:	EX1S01
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2800 ac
Curve Number:	87.7
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B02

Scenario:	Scenario1
Node:	EX1S02
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2800 ac
Curve Number:	87.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B03

Scenario:	Scenario1
Node:	EX1S03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.5700 ac
Curve Number:	88.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B04

Scenario:	Scenario1
Node:	EX1S04
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1700 ac
Curve Number:	87.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B05

Scenario:	Scenario1
Node:	EX1S05
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.5700 ac
Curve Number:	88.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B06

Scenario:	Scenario1
Node:	EX1S06
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B07

Scenario:	Scenario1
Node:	EX1S07
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B08

Scenario:	Scenario1
Node:	EX1S08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B09

Scenario:	Scenario1
Node:	EX1S09
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B10

Scenario:	Scenario1
Node:	EX1S10
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B11

Scenario:	Scenario1
Node:	EX1S11
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5700 ac
Curve Number:	84.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B12

Scenario:	Scenario1
Node:	EX1S12
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9700 ac
Curve Number:	96.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B13

Scenario:	Scenario1
Node:	EX1S13
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B14

Scenario:	Scenario1
Node:	EX1S14
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6500 ac
Curve Number:	90.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B15

Scenario:	Scenario1
Node:	EX1S15
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8100 ac
Curve Number:	84.6
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B16

Scenario:	Scenario1
Node:	EX1S16
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B17

Scenario:	Scenario1
Node:	EX1S17
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B18

Scenario:	Scenario1
Node:	EX1S18
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Node: 1GW1

Scenario:	Scenario1
Type:	Time/Stage
Base Flow:	0.00 cfs
Initial Stage:	1.46 ft
Warning Stage:	3.46 ft
Boundary Stage:	1GW1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 1GW2

Scenario:	Scenario1
Type:	Time/Stage
Base Flow:	0.00 cfs
Initial Stage:	1.46 ft
Warning Stage:	3.46 ft
Boundary Stage:	1GW2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 1GW3

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 1GW3

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 1GW4

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 1GW4

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 1GW5

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 1GW5

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 1GW6

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 1GW6

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: C-100A

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.95 ft
Warning Stage: 3.95 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.95
0	0	0	999.0000	1.95

Comment: C-100A CANAL

Node: EX1AS05A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 9.50 ft

Stage [ft]	Area [ac]	Area [ft2]
1.46	0.0003	14
8.18	0.0003	14
8.19	0.0032	140

Comment: CONTROL STUCTURE THAT DISCHARGES INTO C-100A CANAL

Node: EX1AS05B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 8.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.46	0.0003	14
8.18	0.0003	14
8.19	0.0032	140

Comment: CONTROL STUCTURE THAT DISCHARGES INTO C-100A CANAL

Node: EX1S01

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.30 ft

Stage [ft]	Area [ac]	Area [ft2]
4.10	0.0003	12
10.30	0.0003	12
10.31	0.0028	122
1.46	0.0010	44

Comment: CURB INLET

GRATE ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S01A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 11.04 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.00	0.0227	989

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.0227	989
5.01	0.0003	13
11.04	0.0003	13
11.05	0.0029	126

Comment: MANHOLE

RIM ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S01B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 11.21 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.00	0.0458	1995
5.00	0.0458	1995
5.01	0.0003	13
11.21	0.0003	13
11.22	0.0029	126

Comment: MANHOLE

RIM ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S02

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.34 ft

Stage [ft]	Area [ac]	Area [ft2]
4.14	0.0003	12
10.34	0.0003	12
10.35	0.0028	122
1.46	0.0010	44

Comment: CURB INLET

GRATE ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S02A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 11.08 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.00	0.0307	1339
5.00	0.0307	1339
5.01	0.0003	13
11.08	0.0003	13
11.09	0.0029	126

Comment: MANHOLE

RIM ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S02B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.98 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.00	0.0295	1284
5.00	0.0295	1284
5.01	0.0003	13
11.08	0.0003	13
11.09	0.0029	126

Comment: MANHOLE

RIM ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S03

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.30 ft

Stage [ft]	Area [ac]	Area [ft2]
4.10	0.0003	12

Stage [ft]	Area [ac]	Area [ft2]
10.30	0.0003	12
10.31	0.0028	122
1.46	0.0010	44

Comment: CURB INLET

GRATE ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S03A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.98 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.00	0.0277	1205
5.00	0.0277	1205
5.01	0.0003	13
10.98	0.0003	13
10.99	0.0029	126

Comment: MANHOLE

RIM ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S04

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.48 ft

Stage [ft]	Area [ac]	Area [ft2]
4.28	0.0003	12
10.48	0.0003	12
10.49	0.0028	122
1.46	0.0010	44

Comment: CURB INLET

GRATE ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S04A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.72 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.00	0.0308	1343
5.00	0.0308	1343
5.01	0.0003	13
10.72	0.0003	13
10.73	0.0029	126

Comment: MANHOLE

RIM ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S05

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 9.93 ft

Stage [ft]	Area [ac]	Area [ft2]
3.73	0.0003	12
9.93	0.0003	12
9.94	0.0028	122
1.46	0.0010	44

Comment: CURB INLET

GRATE ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S05A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.63 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.00	0.0250	1089
5.00	0.0250	1089

Stage [ft]	Area [ac]	Area [ft2]
5.01	0.0003	13
10.63	0.0003	13
10.64	0.0029	126

Comment: MANHOLE

RIM ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S06

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.20 ft

Stage [ft]	Area [ac]	Area [ft2]
3.70	0.0003	12
10.20	0.0003	12
10.21	0.0028	122
1.46	0.0010	44

Comment: FIRST NODE NB

Node: EX1S07

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.16 ft

Stage [ft]	Area [ac]	Area [ft2]
3.70	0.0003	12
10.16	0.0003	12
10.17	0.0028	122
1.46	0.0010	44

Comment: CURB INLET

GRATE ELEVATION TAKEN AT ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S08

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.40 ft

Stage [ft]	Area [ac]	Area [ft2]
3.70	0.0003	12
10.40	0.0003	12
10.41	0.0028	122
1.46	0.0010	44

Comment: SECOND NODE NB

Node: EX1S09

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.17 ft

Stage [ft]	Area [ac]	Area [ft2]
3.70	0.0003	12
10.17	0.0003	12
10.18	0.0028	122
1.46	0.0010	44

Comment: THIRD NODE NB

Node: EX1S10

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.15 ft

Stage [ft]	Area [ac]	Area [ft2]
3.70	0.0003	12
10.15	0.0003	12
10.16	0.0028	122
1.46	0.0010	44

Comment: FOURTH NODE NB

Node: EX1S11

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.25 ft

Stage [ft]	Area [ac]	Area [ft2]
3.70	0.0003	12
10.25	0.0003	12
10.26	0.0028	122
1.46	0.0010	44

Comment:

Node: EX1S12

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.15 ft

Stage [ft]	Area [ac]	Area [ft2]
3.70	0.0003	12
10.15	0.0003	12
10.16	0.0028	122
1.46	0.0010	44

Comment: CURB INLET

GRATE ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S13

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.20 ft

Stage [ft]	Area [ac]	Area [ft2]
3.70	0.0003	12
10.20	0.0003	12
10.21	0.0028	122
1.46	0.0010	44

Comment:

Node: EX1S14

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.19 ft

Stage [ft]	Area [ac]	Area [ft2]
3.99	0.0003	12
10.19	0.0003	12
10.20	0.0028	122
1.46	0.0010	44

Comment: CURB INLET

GRATE ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S15

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.48 ft

Stage [ft]	Area [ac]	Area [ft2]
4.28	0.0003	12
10.48	0.0003	12
10.49	0.0028	122
1.46	0.0010	44

Comment: CURB INLET

GRATE ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S16

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.70	0.0003	12
10.00	0.0003	12
10.01	0.0028	122
1.46	0.0010	44

Comment: FIFTH NODE NB

Node: EX1S17

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 9.90 ft

Stage [ft]	Area [ac]	Area [ft2]
3.70	0.0003	12
9.90	0.0003	12
9.91	0.0028	122
1.46	0.0010	44

Comment:

Node: EX1S18

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 8.94 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.50	0.0004	18
8.94	0.0004	18
8.95	0.0041	179

Comment: S-06 FROM FPID 425513-1-52-01

Node: SWALE 1W1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 7.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.00	0.3500	15246
8.00	0.5500	23958
9.00	0.9000	39204

Comment: WARNING ELEVATION TAKEN AT ROAD ELEVATION

Node: SWALE 1W2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.00	0.0500	2178
7.00	0.5200	22651
8.00	0.7800	33977
9.00	1.0900	47480

Comment: WARNING ELEVATION TAKEN AT ROAD ELEVATION

Node: SWALE 1W3

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.00	0.4500	19602
8.00	0.6800	29621
9.00	0.8600	37462

Comment: WARNING ELEVATION TAKEN AT ROAD ELEVATION

Node: SWALE 1W4

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 6.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.00	0.1000	4356
7.00	0.3100	13504
8.00	0.7100	30928
9.00	1.0200	44431

Comment: WARNING ELEVATION TAKEN AT ROAD ELEVATION

Weir Link: C-100A_WEIR

Scenario: Scenario1
From Node: EX1AS05A
To Node: C-100A
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Trapezoidal
Invert: 8.68 ft
Control Elevation: 8.68 ft
Max Depth: 2.00 ft
Extrapolation Method: Normal Projection
Bottom Width: 15.00 ft
Left Slope: 4.000 (h:v)
Right Slope: 4.000 (h:v)

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: OVERLAND WEIR

Weir Link: EX1AS05A_WEIR

Scenario: Scenario1
From Node: EX1AS05A
To Node: EX1AS05B
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 8.18 ft
Control Elevation: 8.18 ft
Max Depth: 5.00 ft
Max Width: 3.50 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: EX1AS05B_C-100A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.00 ft	Invert:	1.00 ft
From Node:	EX1AS05B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	C-100A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	124.40 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" PIPE

FPID 433489-1-52-01

Rating Curve Link: EX1S01A_1GW1	
Scenario:	Scenario1
From Node:	EX1S01A
To Node:	1GW1
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX1S01A_1GW1	1.46	EX1S01A	1.46	EX1S01A

Comment:

Pipe Link: EX1S01A_S01B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	EX1S01A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S01B	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	7.00 ft	Max Depth:	7.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	100.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	

	Ref Node:		Ref Node:
	Manning's N: 0.0000		Manning's N: 0.0000

Comment: SLAB-COVERED TRENCH FROM FPID 425513-1-52-01
ASSUMING DEPTH OF -2' NAVD88

Rating Curve Link: EX1S01B_1GW1

Scenario: Scenario1
From Node: EX1S01B
To Node: 1GW1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX1S01A_1GW1	1.46	EX1S01B	1.46	EX1S01B

Comment:

Rating Curve Link: EX1S01B_1GW2

Scenario: Scenario1
From Node: EX1S01B
To Node: 1GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX1S01B_1GW2	1.46	EX1S01B	1.46	EX1S01B

Comment:

Pipe Link: EX1S01B_S02A

Scenario: Scenario1
From Node: EX1S01B
To Node: EX1S02A
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 1340.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	-2.00 ft	Invert:	-2.00 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Rectangular		Geometry: Rectangular	
Max Depth:	7.00 ft	Max Depth:	7.00 ft
Max Width:	3.00 ft	Max Width:	3.00 ft
Fillet:	0.00 ft	Fillet:	0.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	

		Ref Node:	
		Manning's N:	0.0000

		Ref Node:	
		Manning's N:	0.0000

Comment: SLAB-COVERED TRENCH FROM FPID 425513-1-52-01

ASSUMING DEPTH OF -2' NAVD88

Pipe Link: EX1S01_S01A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	3.00 ft
From Node:	EX1S01	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S01A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 15" PIPE

Pipe Link: EX1S01_SWALE1W1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.50 ft	Invert:	7.00 ft
From Node:	EX1S01	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 1W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 15" PIPE

Rating Curve Link: EX1S02A_1GW2	
Scenario:	Scenario1

From Node: EX1S02A
To Node: 1GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX1S01B_1GW2	1.46	EX1S02A	1.46	EX1S02A

Comment:

Rating Curve Link: EX1S02A_1GW3

Scenario: Scenario1
From Node: EX1S02A
To Node: 1GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX1S02A_1GW3	1.46	EX1S02A	1.46	EX1S02A

Comment:

Pipe Link: EX1S02A_S02B

Scenario: Scenario1
From Node: EX1S02A
To Node: EX1S02B
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 445.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	-2.00 ft	Invert:	-2.00 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Rectangular		Geometry: Rectangular	
Max Depth:	7.00 ft	Max Depth:	7.00 ft
Max Width:	3.00 ft	Max Width:	3.00 ft
Fillet:	0.00 ft	Fillet:	0.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: SLAB-COVERED TRENCH FROM FPID 425513-1-52-01

ASSUMING DEPTH OF -2' NAVD88

Rating Curve Link: EX1S02B_1GW3

Scenario: Scenario1
From Node: EX1S02B
To Node: 1GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX1S02A_1GW3	1.46	EX1S02B	1.46	EX1S02B

Comment:

Rating Curve Link: EX1S02B_1GW4

Scenario: Scenario1
From Node: EX1S02B
To Node: 1GW4
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX1S02B_1GW4	1.46	EX1S02B	1.46	EX1S02B

Comment:

Pipe Link: EX1S02B_S03A

Scenario: Scenario1
From Node: EX1S02B
To Node: EX1S03A
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 1267.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	-2.00 ft	Invert:	-2.00 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Rectangular		Geometry: Rectangular	
Max Depth:	7.00 ft	Max Depth:	7.00 ft
Max Width:	3.00 ft	Max Width:	3.00 ft
Fillet:	0.00 ft	Fillet:	0.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: SLAB-COVERED TRENCH FROM FPID 425513-1-52-01

ASSUMING DEPTH OF -2' NAVD88

Pipe Link: EX1S02_S02B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.14 ft	Invert:	3.00 ft
From Node:	EX1S02	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S02B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	55.60 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: EX1S02_SWALE1W3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.50 ft	Invert:	7.00 ft
From Node:	EX1S02	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 1W3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	111.90 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Rating Curve Link: EX1S03A_1GW4

Scenario: Scenario1
From Node: EX1S03A
To Node: 1GW4
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX1S02B_1GW4	1.46	EX1S03A	1.46	EX1S03A

Comment:

Rating Curve Link: EX1S03A_1GW5	
Scenario:	Scenario1
From Node:	EX1S03A
To Node:	1GW5
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX1S03A_1GW5	1.46	EX1S03A	1.46	EX1S03A

Comment:

Pipe Link: EX1S03A_S04A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	EX1S03A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S04A	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	7.00 ft	Max Depth:	7.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	340.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: SLAB-COVERED TRENCH FROM FPID 425513-1-52-01

ASSUMING DEPTH OF -2' NAVD88

Pipe Link: EX1S03_S03A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.50 ft	Invert:	3.00 ft
From Node:	EX1S03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S03A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	128.80 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Rating Curve Link: EX1S04A_1GW5

Scenario: Scenario1
From Node: EX1S04A
To Node: 1GW5
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX1S03A_1GW5	1.46	EX1S04A	1.46	EX1S04A

Comment:

Rating Curve Link: EX1S04A_1GW6

Scenario: Scenario1
From Node: EX1S04A
To Node: 1GW6
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX1S04A_1GW6	1.46	EX1S03A	1.46	EX1S03A

Comment:

Pipe Link: EX1S04A_S05A

		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	EX1S04A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S05A	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	7.00 ft	Max Depth:	7.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	1450.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	

		Manning's N:	0.0000	Manning's N:	0.0000

Comment: SLAB-COVERED TRENCH FROM FPID 425513-1-52-01

ASSUMING DEPTH OF -2' NAVD88

Pipe Link: EX1S04_S04A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.70 ft	Invert:	3.00 ft
From Node:	EX1S04	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S04A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 15" PIPE

Pipe Link: EX1S04_SWALE1W4		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.00 ft	Invert:	6.00 ft
From Node:	EX1S04	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 1W4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	293.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 15" PIPE

Rating Curve Link: EX1S05A_1GW6	
Scenario:	Scenario1
From Node:	EX1S05A

To Node: 1GW6
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX1S04A_1GW6	1.46	EX1S04A	1.46	EX1S04A

Comment:

Pipe Link: EX1S05_AS05A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.73 ft	Invert:	4.10 ft
From Node:	EX1S05	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1AS05A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	94.20 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: EX1S05_S05A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.73 ft	Invert:	3.00 ft
From Node:	EX1S05	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S05A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	52.10 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" PIPE

Pipe Link: EX1S06_S01A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	3.00 ft
From Node:	EX1S06	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S01A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	110.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 15" PIPE

Pipe Link: EX1S07_S01A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	3.00 ft
From Node:	EX1S07	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S01A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.70 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX1S08_S01B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	3.00 ft
From Node:	EX1S08	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S01B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	110.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX1S09_S01B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	3.00 ft
From Node:	EX1S09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S01B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX1S10_S02A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	3.00 ft
From Node:	EX1S10	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S02A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX1S11_S02B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	3.00 ft

From Node:	EX1S11	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S02B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX1S12_S02B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	3.00 ft
From Node:	EX1S12	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S02B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	57.80 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: EX1S13_S03A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	3.00 ft
From Node:	EX1S13	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S03A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX1S14_S03A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.99 ft	Invert:	3.00 ft
From Node:	EX1S14	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S03A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	58.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: EX1S15_S04A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.28 ft	Invert:	3.00 ft
From Node:	EX1S15	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S04A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	42.60 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: EX1S16_S05A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	3.00 ft
From Node:	EX1S16	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S05A	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX1S17_S05A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	3.00 ft
From Node:	EX1S17	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S05A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX1S18_S05A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.50 ft	Invert:	1.20 ft
From Node:	EX1S18	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S05A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	52.80 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" PIPE

Weir Link: EX1S18_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	EX1S18	Default:	0.00 ft
To Node:	C-100A	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	9.44 ft	Discharge Coefficients	
Control Elevation:	9.44 ft	Weir Default:	3.200
Max Depth:	2.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	15.00 ft	Orifice Table:	
Left Slope:	2.000 (h:v)		
Right Slope:	2.000 (h:v)		

Comment:

Pipe Link: SWALE1W1_S01B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	8.00 ft	Invert:	3.00 ft
From Node:	SWALE 1W1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S01B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	70.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 15" PIPE

Pipe Link: SWALE1W2_S02A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	8.00 ft	Invert:	3.00 ft
From Node:	SWALE 1W2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S02A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	67.70 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 15" PIPE

Pipe Link: SWALE1W3_S03		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.50 ft	Invert:	4.50 ft
From Node:	SWALE 1W3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S03	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.60 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: SWALE1W4_S05A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.00 ft	Invert:	3.00 ft
From Node:	SWALE 1W4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1AS05A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Rating Curve: EX1S01A_1GW1

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	5.00	1.42
1.46	10.23	4.22
2.71	2.71	0.00
2.71	5.00	1.07
2.71	10.23	3.97

Comment:

Rating Curve: EX1S01B_1GW2

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	5.00	1.44
1.46	10.23	4.28
2.71	2.71	0.00
2.71	5.00	1.09
2.71	10.23	4.03

Comment:

Rating Curve: EX1S02A_1GW3

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	5.00	0.48
1.46	10.23	1.42
2.71	2.71	0.00
2.71	5.00	0.36
2.71	10.23	1.34

Comment:

Rating Curve: EX1S02B_1GW4

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	5.00	1.36
1.46	10.23	4.05
2.71	2.71	0.00
2.71	5.00	1.03
2.71	10.23	3.81

Comment:

Rating Curve: EX1S03A_1GW5

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	5.00	0.37
1.46	10.23	1.09
2.71	2.71	0.00
2.71	5.00	0.28
2.71	10.23	1.02

Comment:

Rating Curve: EX1S04A_1GW6

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	5.00	1.56
1.46	10.23	4.64
2.71	2.71	0.00
2.71	5.00	1.18
2.71	10.23	4.36

Comment:

Simulation: 100Y-1H

Scenario: Scenario1
Run Date/Time: 8/16/2019 11:41:34 AM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 100YR-1HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	5.10 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100Y-24H

Scenario:	Scenario1
Run Date/Time:	8/16/2019 11:41:51 AM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.5000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 100YR-24HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 13.44 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 100Y-8H

Scenario: Scenario1
Run Date/Time: 8/16/2019 11:42:25 AM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 100YR-8HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	9.60 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-1H

Scenario:	Scenario1
Run Date/Time:	8/16/2019 11:42:50 AM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.55 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-24H

Scenario: Scenario1
Run Date/Time: 8/16/2019 11:43:02 AM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 10YR-24HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	8.88 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-8H

Scenario:	Scenario1
Run Date/Time:	8/16/2019 11:43:34 AM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 10YR-8HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-8
Rainfall Amount: 6.80 in
Storm Duration: 8.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 25Y-72H

Scenario: Scenario1
Run Date/Time: 8/16/2019 11:43:56 AM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 25YR-72HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	13.00 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
1GW1	100Y-1H	3.46	1.46	0.0000	7.79	0.00	0
1GW2	100Y-1H	3.46	1.46	0.0000	7.90	0.00	0
1GW3	100Y-1H	3.46	1.46	0.0000	2.62	0.00	0
1GW4	100Y-1H	3.46	1.46	0.0000	7.47	0.00	0
1GW5	100Y-1H	3.46	1.46	0.0000	2.00	0.00	0
1GW6	100Y-1H	3.46	1.46	0.0000	8.55	0.00	0
C-100A	100Y-1H	3.95	1.95	0.0000	6.86	0.00	0
EX1AS05A	100Y-1H	9.50	8.45	0.0036	10.90	10.85	142
EX1AS05B	100Y-1H	8.18	5.10	0.0022	6.86	6.86	257
EX1S01	100Y-1H	10.30	10.02	0.0062	14.57	20.74	100
EX1S01A	100Y-1H	11.04	9.62	0.0218	24.04	23.09	1263
EX1S01B	100Y-1H	11.21	9.62	0.0234	37.78	15.23	4288
EX1S02	100Y-1H	10.34	9.68	0.0078	14.38	22.16	121
EX1S02A	100Y-1H	11.08	9.62	0.0256	41.74	14.47	4052
EX1S02B	100Y-1H	10.98	9.62	0.0230	44.50	35.56	3963
EX1S03	100Y-1H	10.30	9.49	0.0042	12.12	13.36	141
EX1S03A	100Y-1H	10.98	9.62	0.0145	29.57	16.07	3778
EX1S04	100Y-1H	10.48	9.65	0.0053	8.09	15.23	193
EX1S04A	100Y-1H	10.72	9.62	0.0197	26.75	11.36	4088
EX1S05	100Y-1H	9.93	9.52	0.0047	11.01	14.82	114
EX1S05A	100Y-1H	10.63	9.61	0.0124	19.60	13.73	3375
EX1S06	100Y-1H	10.20	9.92	0.0043	4.32	5.38	100
EX1S07	100Y-1H	10.16	9.79	0.0047	4.68	5.38	100
EX1S08	100Y-1H	10.40	10.12	0.0037	4.94	6.37	100
EX1S09	100Y-1H	10.17	9.67	0.0049	4.93	2.82	100
EX1S10	100Y-1H	10.15	9.92	0.0039	5.26	8.17	100
EX1S11	100Y-1H	10.25	9.76	0.0049	4.88	4.78	100
EX1S12	100Y-1H	10.15	9.92	0.0040	7.46	11.21	100
EX1S13	100Y-1H	10.20	9.90	0.0040	5.02	7.67	100
EX1S14	100Y-1H	10.19	9.73	0.0032	4.46	6.25	100
EX1S15	100Y-1H	10.48	9.73	0.0029	4.79	6.79	100
EX1S16	100Y-1H	10.00	9.67	0.0050	5.01	3.15	100
EX1S17	100Y-1H	9.90	9.65	0.0052	5.18	2.31	100
EX1S18	100Y-1H	8.94	9.62	0.0075	7.51	4.28	180
SWALE 1W1	100Y-1H	10.00	8.84	0.0003	33.46	7.33	36768
SWALE 1W2	100Y-1H	10.00	8.00	0.0003	21.81	0.00	33966
SWALE 1W3	100Y-1H	10.00	8.70	0.0002	35.55	9.72	35090
SWALE 1W4	100Y-1H	10.00	8.54	0.0008	34.95	8.79	38249
1GW1	100Y-24H	3.46	2.71	0.0009	5.72	0.02	0
1GW2	100Y-24H	3.46	2.71	0.0009	5.81	0.00	0
1GW3	100Y-24H	3.46	2.71	0.0009	1.93	0.00	0
1GW4	100Y-24H	3.46	2.71	0.0009	5.49	0.00	0
1GW5	100Y-24H	3.46	2.71	0.0009	1.47	0.00	0
1GW6	100Y-24H	3.46	2.71	0.0009	6.28	0.00	0
C-100A	100Y-24H	3.95	1.95	0.0000	0.19	0.00	0
EX1AS05A	100Y-24H	9.50	8.21	0.0058	3.76	3.78	142

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX1AS05B	100Y-24H	8.18	4.17	0.0010	0.24	0.19	220
EX1S01	100Y-24H	10.30	8.38	0.0055	5.28	5.37	113
EX1S01A	100Y-24H	11.04	7.99	0.0276	12.66	17.84	1265
EX1S01B	100Y-24H	11.21	7.99	0.0389	21.82	16.18	4256
EX1S02	100Y-24H	10.34	8.11	0.0025	3.88	3.98	113
EX1S02A	100Y-24H	11.08	7.99	0.0264	14.30	14.20	4085
EX1S02B	100Y-24H	10.98	7.99	0.0238	12.90	13.69	3963
EX1S03	100Y-24H	10.30	8.10	0.0025	3.97	4.06	113
EX1S03A	100Y-24H	10.98	7.98	0.0199	12.77	13.39	3781
EX1S04	100Y-24H	10.48	8.06	0.0026	2.73	2.89	180
EX1S04A	100Y-24H	10.72	7.99	0.0188	12.60	11.76	4089
EX1S05	100Y-24H	9.93	8.18	0.0070	4.62	5.47	113
EX1S05A	100Y-24H	10.63	7.98	0.0146	6.85	10.85	3350
EX1S06	100Y-24H	10.20	8.00	0.0029	0.66	1.18	113
EX1S07	100Y-24H	10.16	7.99	0.0033	0.99	1.49	113
EX1S08	100Y-24H	10.40	8.00	0.0037	0.85	1.29	113
EX1S09	100Y-24H	10.17	7.99	0.0031	1.14	1.42	113
EX1S10	100Y-24H	10.15	7.99	0.0040	1.00	1.42	113
EX1S11	100Y-24H	10.25	7.99	0.0032	0.73	1.31	113
EX1S12	100Y-24H	10.15	7.99	0.0055	1.31	1.96	113
EX1S13	100Y-24H	10.20	7.99	0.0038	0.86	1.34	113
EX1S14	100Y-24H	10.19	7.99	0.0038	0.86	1.87	113
EX1S15	100Y-24H	10.48	7.99	0.0046	1.04	2.10	113
EX1S16	100Y-24H	10.00	7.98	0.0022	0.77	0.83	113
EX1S17	100Y-24H	9.90	7.98	0.0026	0.83	0.79	113
EX1S18	100Y-24H	8.94	7.99	0.0049	1.19	0.94	113
SWALE 1W1	100Y-24H	10.00	8.49	0.0003	4.46	3.64	31454
SWALE 1W2	100Y-24H	10.00	8.77	0.0004	4.72	2.61	44362
SWALE 1W3	100Y-24H	10.00	8.15	0.0002	3.62	3.19	30869
SWALE 1W4	100Y-24H	10.00	8.23	0.0003	6.33	4.92	34008
1GW1	100Y-8H	3.46	2.71	0.0005	7.01	0.05	0
1GW2	100Y-8H	3.46	2.71	0.0005	7.12	0.00	0
1GW3	100Y-8H	3.46	2.71	0.0005	2.36	0.00	0
1GW4	100Y-8H	3.46	2.71	0.0005	6.73	0.00	0
1GW5	100Y-8H	3.46	2.71	0.0005	1.81	0.00	0
1GW6	100Y-8H	3.46	2.71	0.0005	7.70	0.00	0
C-100A	100Y-8H	3.95	1.95	0.0000	13.69	0.00	0
EX1AS05A	100Y-8H	9.50	8.62	0.0019	13.70	13.69	142
EX1AS05B	100Y-8H	8.18	5.62	0.0018	13.69	13.69	259
EX1S01	100Y-8H	10.30	9.50	0.0023	8.84	8.82	100
EX1S01A	100Y-8H	11.04	9.25	0.0146	17.75	17.60	1265
EX1S01B	100Y-8H	11.21	9.25	0.0147	27.67	12.25	4257
EX1S02	100Y-8H	10.34	9.42	0.0028	8.81	9.14	100
EX1S02A	100Y-8H	11.08	9.25	0.0105	23.67	15.89	4085
EX1S02B	100Y-8H	10.98	9.25	0.0071	25.31	22.56	3960
EX1S03	100Y-8H	10.30	9.42	0.0032	6.95	6.90	109
EX1S03A	100Y-8H	10.98	9.25	0.0057	19.15	14.74	3783

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX1S04	100Y-8H	10.48	9.29	0.0014	4.54	4.68	188
EX1S04A	100Y-8H	10.72	9.25	0.0057	14.68	12.22	4090
EX1S05	100Y-8H	9.93	9.17	0.0019	7.80	8.93	101
EX1S05A	100Y-8H	10.63	9.25	0.0059	12.56	10.83	3356
EX1S06	100Y-8H	10.20	9.35	0.0017	1.99	2.06	100
EX1S07	100Y-8H	10.16	9.30	0.0019	1.99	2.06	100
EX1S08	100Y-8H	10.40	9.41	0.0017	2.55	2.65	100
EX1S09	100Y-8H	10.17	9.26	0.0020	2.04	1.14	100
EX1S10	100Y-8H	10.15	9.34	0.0018	2.72	2.83	100
EX1S11	100Y-8H	10.25	9.31	0.0020	2.15	2.12	100
EX1S12	100Y-8H	10.15	9.35	0.0017	3.93	4.09	100
EX1S13	100Y-8H	10.20	9.34	0.0018	2.60	2.68	100
EX1S14	100Y-8H	10.19	9.29	0.0012	2.57	2.62	100
EX1S15	100Y-8H	10.48	9.30	0.0011	3.06	3.03	100
EX1S16	100Y-8H	10.00	9.26	0.0021	2.14	1.26	100
EX1S17	100Y-8H	9.90	9.26	0.0022	2.24	0.93	100
EX1S18	100Y-8H	8.94	9.33	0.0040	3.99	2.33	180
SWALE 1W1	100Y-8H	10.00	9.49	0.0003	18.70	8.42	39207
SWALE 1W2	100Y-8H	10.00	9.05	0.0004	16.59	4.98	47483
SWALE 1W3	100Y-8H	10.00	9.45	0.0002	22.53	8.07	37463
SWALE 1W4	100Y-8H	10.00	8.95	0.0008	22.01	8.12	43803
1GW1	10Y-1H	3.46	1.46	0.0000	5.92	0.00	0
1GW2	10Y-1H	3.46	1.46	0.0000	6.01	0.00	0
1GW3	10Y-1H	3.46	1.46	0.0000	2.00	0.00	0
1GW4	10Y-1H	3.46	1.46	0.0000	5.69	0.00	0
1GW5	10Y-1H	3.46	1.46	0.0000	1.52	0.00	0
1GW6	10Y-1H	3.46	1.46	0.0000	6.50	0.00	0
C-100A	10Y-1H	3.95	1.95	0.0000	0.00	0.00	0
EX1AS05A	10Y-1H	9.50	7.68	0.0030	6.09	6.12	100
EX1AS05B	10Y-1H	8.18	1.46	0.0000	0.00	0.00	100
EX1S01	10Y-1H	10.30	8.05	0.0063	9.07	14.80	100
EX1S01A	10Y-1H	11.04	7.88	0.0167	21.29	15.42	1262
EX1S01B	10Y-1H	11.21	7.88	0.0202	27.49	10.61	4257
EX1S02	10Y-1H	10.34	8.04	0.0035	8.90	10.14	109
EX1S02A	10Y-1H	11.08	7.88	0.0141	27.15	17.34	4050
EX1S02B	10Y-1H	10.98	7.88	0.0114	28.97	25.46	3961
EX1S03	10Y-1H	10.30	7.98	0.0035	6.32	8.09	111
EX1S03A	10Y-1H	10.98	7.88	0.0083	23.62	16.67	3781
EX1S04	10Y-1H	10.48	7.88	0.0018	4.65	5.59	183
EX1S04A	10Y-1H	10.72	7.88	0.0069	17.13	15.26	4087
EX1S05	10Y-1H	9.93	7.84	0.0048	9.91	10.76	112
EX1S05A	10Y-1H	10.63	7.88	0.0064	15.79	12.53	3373
EX1S06	10Y-1H	10.20	7.93	0.0020	2.64	2.64	100
EX1S07	10Y-1H	10.16	7.91	0.0022	2.64	2.64	100
EX1S08	10Y-1H	10.40	7.97	0.0019	3.40	3.40	100
EX1S09	10Y-1H	10.17	7.89	0.0023	2.32	1.45	100
EX1S10	10Y-1H	10.15	7.93	0.0019	3.61	3.61	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX1S11	10Y-1H	10.25	7.90	0.0023	2.29	2.19	100
EX1S12	10Y-1H	10.15	7.93	0.0019	5.07	5.07	100
EX1S13	10Y-1H	10.20	7.93	0.0021	3.45	3.45	100
EX1S14	10Y-1H	10.19	7.90	0.0015	2.87	2.93	100
EX1S15	10Y-1H	10.48	7.89	0.0017	2.88	3.05	100
EX1S16	10Y-1H	10.00	7.89	0.0024	2.45	1.62	100
EX1S17	10Y-1H	9.90	7.88	0.0025	2.53	1.19	100
EX1S18	10Y-1H	8.94	7.92	0.0045	4.47	2.93	100
SWALE 1W1	10Y-1H	10.00	7.98	0.0002	10.11	0.77	23841
SWALE 1W2	10Y-1H	10.00	7.28	0.0003	9.63	0.00	25836
SWALE 1W3	10Y-1H	10.00	7.67	0.0001	7.61	0.26	26413
SWALE 1W4	10Y-1H	10.00	7.70	0.0007	14.52	6.92	25641
1GW1	10Y-24H	3.46	2.71	0.0009	3.97	0.03	0
1GW2	10Y-24H	3.46	2.71	0.0009	4.03	0.00	0
1GW3	10Y-24H	3.46	2.71	0.0009	1.34	0.00	0
1GW4	10Y-24H	3.46	2.71	0.0009	3.81	0.00	0
1GW5	10Y-24H	3.46	2.71	0.0009	1.02	0.00	0
1GW6	10Y-24H	3.46	2.71	0.0009	4.37	0.00	0
C-100A	10Y-24H	3.95	1.95	0.0000	0.00	0.00	0
EX1AS05A	10Y-24H	9.50	6.85	0.0011	3.16	3.17	113
EX1AS05B	10Y-24H	8.18	1.46	0.0000	0.00	0.00	113
EX1S01	10Y-24H	10.30	6.56	0.0012	3.33	4.50	113
EX1S01A	10Y-24H	11.04	6.38	0.0027	5.62	9.66	1265
EX1S01B	10Y-24H	11.21	6.38	0.0034	11.02	4.00	4256
EX1S02	10Y-24H	10.34	6.82	0.0010	2.35	3.16	113
EX1S02A	10Y-24H	11.08	6.38	0.0032	7.82	6.58	4085
EX1S02B	10Y-24H	10.98	6.38	0.0039	8.76	9.53	3963
EX1S03	10Y-24H	10.30	6.43	0.0009	2.00	1.99	113
EX1S03A	10Y-24H	10.98	6.39	0.0026	8.75	6.90	3781
EX1S04	10Y-24H	10.48	6.40	0.0010	0.98	1.35	113
EX1S04A	10Y-24H	10.72	6.39	0.0028	6.40	7.48	4089
EX1S05	10Y-24H	9.93	6.74	0.0015	4.43	5.65	113
EX1S05A	10Y-24H	10.63	6.39	0.0016	5.83	6.85	3350
EX1S06	10Y-24H	10.20	6.39	0.0010	0.44	0.56	113
EX1S07	10Y-24H	10.16	6.38	0.0010	0.44	0.57	113
EX1S08	10Y-24H	10.40	6.39	0.0010	0.56	0.72	113
EX1S09	10Y-24H	10.17	6.38	0.0006	0.40	0.48	113
EX1S10	10Y-24H	10.15	6.38	0.0010	0.60	0.82	113
EX1S11	10Y-24H	10.25	6.39	0.0010	0.46	0.59	113
EX1S12	10Y-24H	10.15	6.39	0.0010	0.86	1.19	113
EX1S13	10Y-24H	10.20	6.39	0.0010	0.57	0.73	113
EX1S14	10Y-24H	10.19	6.40	0.0010	0.56	0.72	113
EX1S15	10Y-24H	10.48	6.62	0.0010	0.66	0.85	113
EX1S16	10Y-24H	10.00	6.39	0.0009	0.42	0.44	113
EX1S17	10Y-24H	9.90	6.39	0.0007	0.43	0.39	113
EX1S18	10Y-24H	8.94	6.39	0.0010	0.98	0.57	113
SWALE 1W1	10Y-24H	10.00	8.22	0.0003	2.68	1.85	27370

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
SWALE 1W2	10Y-24H	10.00	8.48	0.0003	2.79	1.08	40553
SWALE 1W3	10Y-24H	10.00	7.90	0.0002	2.14	1.42	28815
SWALE 1W4	10Y-24H	10.00	6.87	0.0002	3.16	3.16	12459
1GW1	10Y-8H	3.46	2.71	0.0007	6.00	0.06	0
1GW2	10Y-8H	3.46	2.71	0.0007	6.09	0.00	0
1GW3	10Y-8H	3.46	2.71	0.0007	2.02	0.00	0
1GW4	10Y-8H	3.46	2.71	0.0007	5.76	0.00	0
1GW5	10Y-8H	3.46	2.71	0.0007	1.55	0.00	0
1GW6	10Y-8H	3.46	2.71	0.0007	6.60	0.00	0
C-100A	10Y-8H	3.95	1.95	0.0000	3.05	0.00	0
EX1AS05A	10Y-8H	9.50	8.34	0.0021	5.40	5.34	142
EX1AS05B	10Y-8H	8.18	4.72	0.0013	3.05	3.05	255
EX1S01	10Y-8H	10.30	8.55	0.0032	6.05	8.72	100
EX1S01A	10Y-8H	11.04	8.33	0.0127	14.59	14.65	1266
EX1S01B	10Y-8H	11.21	8.33	0.0157	24.98	8.27	4257
EX1S02	10Y-8H	10.34	8.37	0.0023	6.01	7.73	100
EX1S02A	10Y-8H	11.08	8.33	0.0101	21.81	15.70	4084
EX1S02B	10Y-8H	10.98	8.33	0.0061	22.87	21.00	3961
EX1S03	10Y-8H	10.30	8.39	0.0039	7.18	4.83	111
EX1S03A	10Y-8H	10.98	8.33	0.0051	16.93	13.84	3783
EX1S04	10Y-8H	10.48	8.36	0.0012	3.10	4.06	187
EX1S04A	10Y-8H	10.72	8.33	0.0062	13.37	11.07	4088
EX1S05	10Y-8H	9.93	8.34	0.0021	7.41	8.80	100
EX1S05A	10Y-8H	10.63	8.33	0.0055	12.12	10.15	3355
EX1S06	10Y-8H	10.20	8.38	0.0015	1.52	1.81	100
EX1S07	10Y-8H	10.16	8.36	0.0017	1.67	1.81	100
EX1S08	10Y-8H	10.40	8.41	0.0014	1.81	2.33	100
EX1S09	10Y-8H	10.17	8.34	0.0018	1.76	1.00	100
EX1S10	10Y-8H	10.15	8.38	0.0015	1.92	2.47	100
EX1S11	10Y-8H	10.25	8.36	0.0017	1.75	1.72	100
EX1S12	10Y-8H	10.15	8.38	0.0014	2.77	3.58	100
EX1S13	10Y-8H	10.20	8.38	0.0016	1.84	2.36	100
EX1S14	10Y-8H	10.19	8.35	0.0010	1.78	2.26	100
EX1S15	10Y-8H	10.48	8.36	0.0010	2.06	2.51	100
EX1S16	10Y-8H	10.00	8.34	0.0019	1.85	1.12	100
EX1S17	10Y-8H	9.90	8.34	0.0019	1.95	0.82	100
EX1S18	10Y-8H	8.94	8.38	0.0036	3.56	1.67	100
SWALE 1W1	10Y-8H	10.00	8.58	0.0002	11.44	4.57	32792
SWALE 1W2	10Y-8H	10.00	8.35	0.0003	8.81	0.58	38679
SWALE 1W3	10Y-8H	10.00	8.39	0.0002	13.07	5.72	32722
SWALE 1W4	10Y-8H	10.00	8.40	0.0005	16.84	6.62	36267
1GW1	25Y-72H	3.46	2.71	0.0006	7.44	0.01	0
1GW2	25Y-72H	3.46	2.71	0.0006	7.56	0.00	0
1GW3	25Y-72H	3.46	2.71	0.0006	2.51	0.00	0
1GW4	25Y-72H	3.46	2.71	0.0006	7.15	0.00	0
1GW5	25Y-72H	3.46	2.71	0.0006	1.92	0.00	0
1GW6	25Y-72H	3.46	2.71	0.0006	8.17	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
C-100A	25Y-72H	3.95	1.95	0.0000	16.43	0.00	0
EX1AS05A	25Y-72H	9.50	8.64	0.0016	14.73	14.73	142
EX1AS05B	25Y-72H	8.18	5.70	0.0022	14.73	14.73	259
EX1S01	25Y-72H	10.30	10.04	0.0022	12.82	12.76	113
EX1S01A	25Y-72H	11.04	9.66	0.0074	11.36	20.51	1263
EX1S01B	25Y-72H	11.21	9.66	0.0078	22.78	12.83	4291
EX1S02	25Y-72H	10.34	9.90	0.0023	12.80	12.74	113
EX1S02A	25Y-72H	11.08	9.66	0.0060	16.07	12.43	4085
EX1S02B	25Y-72H	10.98	9.66	0.0048	17.96	17.33	3963
EX1S03	25Y-72H	10.30	9.77	0.0033	11.75	11.67	113
EX1S03A	25Y-72H	10.98	9.66	0.0048	14.67	15.06	3781
EX1S04	25Y-72H	10.48	9.74	0.0011	6.58	6.54	192
EX1S04A	25Y-72H	10.72	9.66	0.0043	12.91	10.93	4089
EX1S05	25Y-72H	9.93	9.60	0.0013	10.28	10.22	113
EX1S05A	25Y-72H	10.63	9.65	0.0035	8.35	7.41	3351
EX1S06	25Y-72H	10.20	9.88	0.0014	2.82	2.78	113
EX1S07	25Y-72H	10.16	9.78	0.0014	2.82	2.79	113
EX1S08	25Y-72H	10.40	10.02	0.0014	3.62	3.58	113
EX1S09	25Y-72H	10.17	9.69	0.0015	1.65	1.55	113
EX1S10	25Y-72H	10.15	9.87	0.0014	3.85	3.81	113
EX1S11	25Y-72H	10.25	9.81	0.0014	3.16	3.13	113
EX1S12	25Y-72H	10.15	9.88	0.0014	5.57	5.54	113
EX1S13	25Y-72H	10.20	9.86	0.0014	3.68	3.64	113
EX1S14	25Y-72H	10.19	9.76	0.0012	3.69	3.66	113
EX1S15	25Y-72H	10.48	9.78	0.0010	4.50	4.46	113
EX1S16	25Y-72H	10.00	9.70	0.0015	1.72	1.70	113
EX1S17	25Y-72H	9.90	9.68	0.0016	1.86	1.25	113
EX1S18	25Y-72H	8.94	9.64	0.0028	4.29	4.28	180
SWALE 1W1	25Y-72H	10.00	9.83	0.0002	32.18	9.34	39207
SWALE 1W2	25Y-72H	10.00	9.54	0.0002	25.76	6.55	47483
SWALE 1W3	25Y-72H	10.00	9.79	0.0002	36.01	9.24	37463
SWALE 1W4	25Y-72H	10.00	9.00	0.0005	32.33	8.39	44370

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C-100A_WEIR	100Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
EX1AS05A_WEIR	100Y-1H	6.86	0.00	0.00	1.47	1.47	1.47
EX1AS05B_C-100A	100Y-1H	6.86	0.00	0.03	4.80	9.18	6.99
EX1S01A_1GW1	100Y-1H	3.89	0.00	0.01	0.00	0.00	0.00
EX1S01A_S01B	100Y-1H	21.67	-0.43	-18.82	1.03	1.03	1.03
EX1S01B_1GW1	100Y-1H	3.89	0.00	0.01	0.00	0.00	0.00
EX1S01B_1GW2	100Y-1H	3.95	0.00	0.01	0.00	0.00	0.00
EX1S01B_S02A	100Y-1H	4.63	-11.77	-9.81	-0.56	-0.56	-0.56
EX1S01_S01A	100Y-1H	16.09	0.00	3.15	13.11	13.43	13.27
EX1S01_SWALE1W1	100Y-1H	12.15	-3.96	2.02	9.90	10.19	10.03
EX1S02A_1GW2	100Y-1H	3.95	0.00	0.01	0.00	0.00	0.00
EX1S02A_1GW3	100Y-1H	1.31	0.00	0.00	0.00	0.00	0.00
EX1S02A_S02B	100Y-1H	1.92	-33.66	-8.10	-1.60	-1.60	-1.60
EX1S02B_1GW3	100Y-1H	1.31	0.00	0.00	0.00	0.00	0.00
EX1S02B_1GW4	100Y-1H	3.74	0.00	0.01	0.00	0.00	0.00
EX1S02B_S03A	100Y-1H	3.86	-14.24	5.11	-0.68	-0.68	-0.68
EX1S02_S02B	100Y-1H	18.26	0.00	-5.33	10.33	19.77	14.24
EX1S02_SWALE1W3	100Y-1H	10.52	-3.22	-0.20	5.95	6.71	6.33
EX1S03A_1GW4	100Y-1H	3.74	0.00	0.01	0.00	0.00	0.00
EX1S03A_1GW5	100Y-1H	1.00	0.00	0.00	0.00	0.00	0.00
EX1S03A_S04A	100Y-1H	7.30	-8.58	-8.57	0.41	0.41	0.41
EX1S03_S03A	100Y-1H	13.36	-3.10	1.65	7.56	8.78	7.83
EX1S04A_1GW5	100Y-1H	1.00	0.00	0.00	0.00	0.00	0.00
EX1S04A_1GW6	100Y-1H	4.27	0.00	0.01	0.00	0.00	0.00
EX1S04A_S05A	100Y-1H	7.88	-12.14	3.92	-0.58	-0.58	-0.58

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX1S04_S04A	100Y-1H	14.34	0.00	-6.63	11.68	20.34	14.82
EX1S04_SWALE1W4	100Y-1H	5.19	-2.50	0.08	4.23	4.23	4.23
EX1S05A_1GW6	100Y-1H	4.27	0.00	0.01	0.00	0.00	0.00
EX1S05_AS05A	100Y-1H	10.90	-7.26	0.46	6.17	6.17	6.17
EX1S05_S05A	100Y-1H	11.25	-1.89	-2.73	9.17	15.38	11.25
EX1S06_S01A	100Y-1H	5.38	-0.62	0.84	5.44	7.29	5.99
EX1S07_S01A	100Y-1H	5.38	-0.98	0.84	5.44	10.05	7.37
EX1S08_S01B	100Y-1H	6.37	0.00	1.40	5.62	7.78	6.50
EX1S09_S01B	100Y-1H	2.82	-2.89	-0.64	4.17	8.53	6.16
EX1S10_S02A	100Y-1H	8.17	0.00	2.35	7.04	11.01	8.19
EX1S11_S02B	100Y-1H	4.78	-1.57	0.73	5.14	9.72	7.08
EX1S12_S02B	100Y-1H	11.21	0.00	2.01	6.99	10.94	8.27
EX1S13_S03A	100Y-1H	7.67	0.00	1.42	6.72	10.87	8.06
EX1S14_S03A	100Y-1H	6.25	0.00	1.66	5.19	10.92	7.75
EX1S15_S04A	100Y-1H	6.79	0.00	1.55	5.38	12.89	8.79
EX1S16_S05A	100Y-1H	3.15	-2.76	-0.73	4.34	8.80	6.36
EX1S17_S05A	100Y-1H	2.31	-3.53	-0.79	3.90	8.03	5.79
EX1S18_S05A	100Y-1H	4.28	-3.06	-0.84	3.64	4.18	3.83
EX1S18_WEIR	100Y-1H	3.61	0.00	0.01	1.34	1.34	1.34
SWALE1W1_S01B	100Y-1H	4.28	-4.86	-0.79	4.89	-5.18	-4.57
SWALE1W2_S02A	100Y-1H	0.00	-4.91	0.01	-4.00	-5.20	-4.60
SWALE1W3_S03	100Y-1H	6.85	-12.11	-0.72	-6.85	22.68	13.91
SWALE1W4_S05A	100Y-1H	7.23	-9.67	-1.21	-5.47	-5.47	-5.47
C-100A_WEIR	100Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX1AS05A_WEIR	100Y-24H	0.24	0.00	0.00	0.00	0.00	0.00
EX1AS05B_C-100A	100Y-24H	0.19	0.00	0.01	1.81	0.13	0.97
EX1S01A_1GW1	100Y-24H	2.86	-0.01	-0.02	0.00	0.00	0.00
EX1S01A_S01B	100Y-24H	15.03	-10.32	-15.03	0.72	0.72	0.72
EX1S01B_1GW1	100Y-24H	2.87	-0.01	0.02	0.00	0.00	0.00
EX1S01B_1GW2	100Y-24H	2.91	0.00	0.02	0.00	0.00	0.00
EX1S01B_S02A	100Y-24H	5.06	-7.95	7.95	-0.38	-0.38	-0.38
EX1S01_S01A	100Y-24H	5.37	0.00	1.25	4.88	7.14	5.20

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX1S01_SWALE1W1	100Y-24H	0.00	-2.55	0.00	-2.08	-3.97	-2.98
EX1S02A_1GW2	100Y-24H	2.91	0.00	-0.02	0.00	0.00	0.00
EX1S02A_1GW3	100Y-24H	0.96	0.00	-0.01	0.00	0.00	0.00
EX1S02A_S02B	100Y-24H	6.18	-11.28	11.28	-0.54	-0.54	-0.54
EX1S02B_1GW3	100Y-24H	0.97	0.00	0.01	0.00	0.00	0.00
EX1S02B_1GW4	100Y-24H	2.75	0.00	0.01	0.00	0.00	0.00
EX1S02B_S03A	100Y-24H	4.41	-8.15	8.15	-0.39	-0.39	-0.39
EX1S02_S02B	100Y-24H	3.98	0.00	-0.82	4.22	7.44	5.21
EX1S02_SWALE1W3	100Y-24H	0.00	-1.19	0.01	-0.85	-2.88	-1.81
EX1S03A_1GW4	100Y-24H	2.74	0.00	0.01	0.00	0.00	0.00
EX1S03A_1GW5	100Y-24H	0.74	0.00	0.00	0.00	0.00	0.00
EX1S03A_S04A	100Y-24H	7.97	-8.62	8.62	-0.41	-0.41	-0.41
EX1S03_S03A	100Y-24H	4.06	0.00	0.67	3.55	3.82	3.25
EX1S04A_1GW5	100Y-24H	0.74	0.00	0.00	0.00	0.00	0.00
EX1S04A_1GW6	100Y-24H	3.14	0.00	-0.01	0.00	0.00	0.00
EX1S04A_S05A	100Y-24H	3.45	-8.85	8.86	-0.42	-0.42	-0.42
EX1S04_S04A	100Y-24H	2.89	0.00	1.02	3.35	6.12	4.33
EX1S04_SWALE1W4	100Y-24H	0.31	-1.80	-0.06	-1.46	-3.48	-2.40
EX1S05A_1GW6	100Y-24H	3.14	0.00	0.01	0.00	0.00	0.00
EX1S05_AS05A	100Y-24H	0.96	-3.78	-0.05	-2.14	-3.39	-2.62
EX1S05_S05A	100Y-24H	5.47	0.00	-1.68	5.47	10.78	7.74
EX1S06_S01A	100Y-24H	1.18	-0.38	1.18	2.51	3.37	2.73
EX1S07_S01A	100Y-24H	1.49	-0.62	1.49	2.51	4.58	3.34
EX1S08_S01B	100Y-24H	1.29	-0.38	1.15	2.69	3.63	2.94
EX1S09_S01B	100Y-24H	1.42	-0.91	1.38	2.32	1.16	1.43
EX1S10_S02A	100Y-24H	1.42	-0.64	1.25	2.74	5.05	3.67
EX1S11_S02B	100Y-24H	1.31	-0.45	1.31	2.55	4.45	3.24
EX1S12_S02B	100Y-24H	1.96	-0.79	1.96	2.99	5.04	3.74
EX1S13_S03A	100Y-24H	1.34	-0.17	1.34	2.71	4.99	3.62
EX1S14_S03A	100Y-24H	1.87	-0.34	1.87	2.60	4.98	3.56

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX1S15_S04A	100Y-24H	2.10	-0.46	-2.10	3.31	5.88	4.03
EX1S16_S05A	100Y-24H	0.83	-0.61	-0.83	2.21	1.10	1.47
EX1S17_S05A	100Y-24H	0.79	-0.69	-0.79	2.03	-1.12	1.36
EX1S18_S05A	100Y-24H	0.94	-0.71	0.94	2.00	0.96	1.48
EX1S18_WEIR	100Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
SWALE1W1_S01B	100Y-24H	1.16	0.00	0.05	3.27	0.95	2.11
SWALE1W2_S02A	100Y-24H	2.61	0.00	-0.04	4.07	6.96	4.77
SWALE1W3_S03	100Y-24H	2.02	0.00	0.49	3.53	11.48	7.06
SWALE1W4_S05A	100Y-24H	3.76	-0.93	1.94	4.02	2.13	2.86
C-100A_WEIR	100Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
EX1AS05A_WEIR	100Y-8H	13.69	0.00	0.00	1.85	1.85	1.85
EX1AS05B_C-100A	100Y-8H	13.69	0.00	0.11	6.16	11.12	8.64
EX1S01A_1GW1	100Y-8H	3.51	-0.02	-0.01	0.00	0.00	0.00
EX1S01A_S01B	100Y-8H	14.36	-5.19	-14.36	0.68	0.68	0.68
EX1S01B_1GW1	100Y-8H	3.51	-0.02	-0.01	0.00	0.00	0.00
EX1S01B_1GW2	100Y-8H	3.56	0.00	0.01	0.00	0.00	0.00
EX1S01B_S02A	100Y-8H	5.27	-14.09	5.27	-0.67	-0.67	-0.67
EX1S01_S01A	100Y-8H	8.73	0.00	-2.32	7.49	14.68	11.09
EX1S01_SWALE1W1	100Y-8H	5.70	-3.29	0.05	5.53	4.95	5.24
EX1S02A_1GW2	100Y-8H	3.56	0.00	0.00	0.00	0.00	0.00
EX1S02A_1GW3	100Y-8H	1.18	0.00	0.00	0.00	0.00	0.00
EX1S02A_S02B	100Y-8H	5.30	-20.84	-9.04	-0.99	-0.99	-0.99
EX1S02B_1GW3	100Y-8H	1.18	0.00	0.00	0.00	0.00	0.00
EX1S02B_1GW4	100Y-8H	3.37	0.00	0.00	0.00	0.00	0.00
EX1S02B_S03A	100Y-8H	5.23	-13.12	5.19	-0.62	-0.62	-0.62
EX1S02_S02B	100Y-8H	9.14	0.00	2.16	6.19	12.47	8.84
EX1S02_SWALE1W3	100Y-8H	6.60	-3.63	-0.20	4.14	4.89	4.38

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX1S03A_1GW4	100Y-8H	3.37	0.00	0.00	0.00	0.00	0.00
EX1S03A_1GW5	100Y-8H	0.90	0.00	0.00	0.00	0.00	0.00
EX1S03A_S04A	100Y-8H	8.82	-10.44	-8.21	-0.50	-0.50	-0.50
EX1S03_S03A	100Y-8H	5.78	-0.89	0.66	4.69	4.98	4.22
EX1S04A_1GW5	100Y-8H	0.90	0.00	0.00	0.00	0.00	0.00
EX1S04A_1GW6	100Y-8H	3.85	0.00	0.00	0.00	0.00	0.00
EX1S04A_S05A	100Y-8H	4.96	-9.38	-4.31	-0.45	-0.45	-0.45
EX1S04_S04A	100Y-8H	4.68	-0.20	1.08	5.09	10.35	7.37
EX1S04_SWALE1W4	100Y-8H	3.53	-2.08	0.01	3.07	-3.70	2.91
EX1S05A_1GW6	100Y-8H	3.85	0.00	0.00	0.00	0.00	0.00
EX1S05_AS05A	100Y-8H	7.41	-5.89	-0.10	4.20	-4.69	4.20
EX1S05_S05A	100Y-8H	8.93	-2.46	-2.20	7.53	16.28	11.91
EX1S06_S01A	100Y-8H	2.06	-0.23	0.34	3.76	4.50	3.61
EX1S07_S01A	100Y-8H	2.06	-0.39	0.47	3.76	6.13	4.43
EX1S08_S01B	100Y-8H	2.65	0.00	0.37	4.09	4.84	3.89
EX1S09_S01B	100Y-8H	1.14	-1.20	0.43	3.14	5.15	3.73
EX1S10_S02A	100Y-8H	2.83	0.00	0.48	4.18	6.77	4.88
EX1S11_S02B	100Y-8H	2.12	-0.51	0.43	3.72	5.79	4.19
EX1S12_S02B	100Y-8H	4.09	0.00	-0.62	4.45	6.74	4.96
EX1S13_S03A	100Y-8H	2.68	0.00	-0.47	4.10	6.68	4.81
EX1S14_S03A	100Y-8H	2.62	0.00	0.73	3.85	6.60	4.68
EX1S15_S04A	100Y-8H	3.03	0.00	0.76	4.00	7.70	5.24
EX1S16_S05A	100Y-8H	1.26	-1.21	0.34	3.24	5.31	3.85
EX1S17_S05A	100Y-8H	0.93	-1.56	0.31	2.96	4.84	3.51
EX1S18_S05A	100Y-8H	2.33	-2.16	-0.34	2.58	2.48	2.53
EX1S18_WEIR	100Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
SWALE1W1_S01B	100Y-8H	5.13	-1.55	0.38	5.04	4.18	4.40
SWALE1W2_S02A	100Y-8H	4.98	-3.40	0.97	5.23	7.42	5.09
SWALE1W3_S03	100Y-8H	4.45	-6.90	-2.65	4.45	12.25	7.53
SWALE1W4_S05A	100Y-8H	8.12	-6.61	2.31	4.60	4.60	4.60
C-100A_WEIR	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
EX1AS05A_WEIR	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX1AS05B_C-100A	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
EX1S01A_1GW1	10Y-1H	2.96	0.00	0.01	0.00	0.00	0.00
EX1S01A_S01B	10Y-1H	14.32	-7.71	-11.80	0.77	0.77	0.77
EX1S01B_1GW1	10Y-1H	2.96	0.00	0.01	0.00	0.00	0.00
EX1S01B_1GW2	10Y-1H	3.01	0.00	0.01	0.00	0.00	0.00
EX1S01B_S02A	10Y-1H	5.00	-15.38	-4.39	-0.73	-0.73	-0.73
EX1S01_S01A	10Y-1H	14.64	0.00	3.16	11.93	16.30	12.31
EX1S01_SWALE1W1	10Y-1H	1.94	-0.77	0.03	3.69	-2.81	3.02
EX1S02A_1GW2	10Y-1H	3.01	0.00	0.01	0.00	0.00	0.00
EX1S02A_1GW3	10Y-1H	1.00	0.00	0.00	0.00	0.00	0.00
EX1S02A_S02B	10Y-1H	1.99	-23.59	8.51	-1.12	-1.12	-1.12
EX1S02B_1GW3	10Y-1H	1.00	0.00	0.00	0.00	0.00	0.00
EX1S02B_1GW4	10Y-1H	2.84	0.00	0.00	0.00	0.00	0.00
EX1S02B_S03A	10Y-1H	3.29	-14.91	-3.85	-0.71	-0.71	-0.71
EX1S02_S02B	10Y-1H	10.14	0.00	3.08	6.56	13.59	9.79
EX1S02_SWALE1W3	10Y-1H	1.76	-0.11	0.39	3.33	3.24	3.24
EX1S03A_1GW4	10Y-1H	2.84	0.00	0.01	0.00	0.00	0.00
EX1S03A_1GW5	10Y-1H	0.76	0.00	0.00	0.00	0.00	0.00
EX1S03A_S04A	10Y-1H	7.56	-13.33	-8.10	-0.63	-0.63	-0.63
EX1S03_S03A	10Y-1H	8.09	0.00	1.25	5.82	7.00	6.11
EX1S04A_1GW5	10Y-1H	0.76	0.00	0.00	0.00	0.00	0.00
EX1S04A_1GW6	10Y-1H	3.25	0.00	0.00	0.00	0.00	0.00
EX1S04A_S05A	10Y-1H	3.51	-10.95	-4.05	-0.52	-0.52	-0.52
EX1S04_S04A	10Y-1H	5.59	0.00	0.87	5.54	11.43	8.25
EX1S04_SWALE1W4	10Y-1H	2.32	-1.07	0.02	2.56	-3.09	2.21
EX1S05A_1G	10Y-1H	3.25	0.00	0.01	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W6							
EX1S05_AS05A	10Y-1H	4.85	-6.12	-0.57	3.92	5.78	4.63
EX1S05_S05A	10Y-1H	10.66	-1.24	2.61	8.69	17.16	12.55
EX1S06_S01A	10Y-1H	2.64	-0.15	0.72	4.08	6.59	5.34
EX1S07_S01A	10Y-1H	2.64	-0.33	0.72	4.08	9.05	6.56
EX1S08_S01B	10Y-1H	3.40	0.00	0.46	4.46	7.06	5.76
EX1S09_S01B	10Y-1H	1.45	-1.31	0.57	3.38	7.65	5.52
EX1S10_S02A	10Y-1H	3.61	0.00	0.50	4.57	9.93	7.25
EX1S11_S02B	10Y-1H	2.19	-0.74	0.37	3.84	8.40	6.07
EX1S12_S02B	10Y-1H	5.07	0.00	0.70	4.79	9.84	7.32
EX1S13_S03A	10Y-1H	3.45	0.00	0.47	4.49	9.81	7.15
EX1S14_S03A	10Y-1H	2.93	0.00	0.61	3.99	9.61	6.78
EX1S15_S04A	10Y-1H	3.05	0.00	0.70	4.04	11.13	7.55
EX1S16_S05A	10Y-1H	1.62	-1.32	-0.36	3.49	7.89	5.69
EX1S17_S05A	10Y-1H	1.19	-1.70	-0.30	3.18	7.21	5.19
EX1S18_S05A	10Y-1H	2.93	-2.24	-0.26	4.07	3.93	3.80
EX1S18_WEIR	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
SWALE1W1_S01B	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
SWALE1W2_S02A	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
SWALE1W3_S03	10Y-1H	0.16	-0.85	-0.01	1.78	-2.79	-1.64
SWALE1W4_S05A	10Y-1H	6.09	-4.78	-2.29	3.91	3.44	3.44
C-100A_WEIR	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX1AS05A_WEIR	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX1AS05B_C-100A	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX1S01A_1GW1	10Y-24H	1.98	-0.02	-0.01	0.00	0.00	0.00
EX1S01A_S01B	10Y-24H	7.83	-1.28	-7.83	0.37	0.37	0.37
EX1S01B_1GW1	10Y-24H	1.98	-0.02	-0.01	0.00	0.00	0.00
EX1S01B_1GW2	10Y-24H	2.01	0.00	0.00	0.00	0.00	0.00
EX1S01B_S02A	10Y-24H	0.63	-4.06	-3.95	-0.19	-0.19	-0.19
EX1S01_S01A	10Y-24H	4.50	0.00	1.03	5.00	7.19	5.24
EX1S01_SWALE1W1	10Y-24H	0.00	-1.60	0.00	-1.31	-3.48	-2.40
EX1S02A_1GW2	10Y-24H	2.01	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX1S02A_1GW3	10Y-24H	0.67	0.00	0.00	0.00	0.00	0.00
EX1S02A_S02B	10Y-24H	0.21	-7.23	-7.12	-0.34	-0.34	-0.34
EX1S02B_1GW3	10Y-24H	0.67	0.00	0.00	0.00	0.00	0.00
EX1S02B_1GW4	10Y-24H	1.91	0.00	0.00	0.00	0.00	0.00
EX1S02B_S03A	10Y-24H	0.26	-4.87	4.61	-0.23	-0.23	-0.23
EX1S02_S02B	10Y-24H	3.16	0.00	-0.66	4.41	7.43	5.20
EX1S02_SWALE1W3	10Y-24H	0.00	-0.59	0.00	-0.53	-2.52	-1.52
EX1S03A_1GW4	10Y-24H	1.91	0.00	0.00	0.00	0.00	0.00
EX1S03A_1GW5	10Y-24H	0.51	0.00	0.00	0.00	0.00	0.00
EX1S03A_S04A	10Y-24H	0.32	-5.75	-5.12	-0.27	-0.27	-0.27
EX1S03_S03A	10Y-24H	1.99	0.00	0.28	3.55	3.82	3.25
EX1S04A_1GW5	10Y-24H	0.51	0.00	0.00	0.00	0.00	0.00
EX1S04A_1GW6	10Y-24H	2.18	0.00	0.00	0.00	0.00	0.00
EX1S04A_S05A	10Y-24H	0.03	-4.93	-4.47	-0.23	-0.23	-0.23
EX1S04_S04A	10Y-24H	1.35	0.00	0.24	3.44	6.12	4.34
EX1S04_SWALE1W4	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX1S05A_1GW6	10Y-24H	2.18	0.00	0.00	0.00	0.00	0.00
EX1S05_AS05A	10Y-24H	0.13	-3.17	0.05	-1.79	-3.17	-2.48
EX1S05_S05A	10Y-24H	5.65	0.00	1.33	5.57	10.77	7.74
EX1S06_S01A	10Y-24H	0.56	0.00	0.28	2.58	3.35	2.72
EX1S07_S01A	10Y-24H	0.57	0.00	0.49	2.58	4.56	3.33
EX1S08_S01B	10Y-24H	0.72	0.00	-0.25	2.76	3.62	2.93
EX1S09_S01B	10Y-24H	0.48	-0.16	-0.40	2.19	1.07	1.43
EX1S10_S02A	10Y-24H	0.82	0.00	0.41	2.86	5.04	3.66
EX1S11_S02B	10Y-24H	0.59	0.00	-0.47	2.61	4.46	3.26
EX1S12_S02B	10Y-24H	1.19	0.00	-0.71	3.06	5.03	3.73
EX1S13_S03A	10Y-24H	0.73	0.00	-0.42	2.78	4.97	3.61
EX1S14_S03A	10Y-24H	0.72	0.00	0.15	2.67	4.98	3.56
EX1S15_S04A	10Y-24H	0.85	0.00	-0.17	2.79	5.90	4.04
EX1S16_S05A	10Y-24H	0.44	-0.15	-0.31	2.26	1.10	1.47
EX1S17_S05A	10Y-24H	0.39	-0.23	0.29	2.08	-1.27	1.36
EX1S18_S05A	10Y-24H	0.57	-0.46	0.44	1.88	0.75	1.31

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX1S18_WEIR	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
SWALE1W1_S01B	10Y-24H	0.25	0.00	0.00	2.07	0.20	1.14
SWALE1W2_S02A	10Y-24H	1.08	0.00	-0.03	3.09	6.73	4.62
SWALE1W3_S03	10Y-24H	0.84	0.00	-0.02	2.78	11.61	7.14
SWALE1W4_S05A	10Y-24H	3.16	0.00	-2.13	4.02	1.79	2.86
C-100A_WEIR	10Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
EX1AS05A_WEIR	10Y-8H	3.05	0.00	0.00	1.12	1.12	1.12
EX1AS05B_C-100A	10Y-8H	3.05	0.00	0.03	3.76	2.07	2.92
EX1S01A_1GW1	10Y-8H	3.00	-0.03	-0.01	0.00	0.00	0.00
EX1S01A_S01B	10Y-8H	11.86	-2.51	-11.86	0.56	0.56	0.56
EX1S01B_1GW1	10Y-8H	3.00	-0.03	-0.01	0.00	0.00	0.00
EX1S01B_1GW2	10Y-8H	3.05	0.00	0.01	0.00	0.00	0.00
EX1S01B_S02A	10Y-8H	2.33	-13.97	-4.16	-0.67	-0.67	-0.67
EX1S01_S01A	10Y-8H	8.72	0.00	-1.87	7.32	10.69	8.08
EX1S01_SWALE1W1	10Y-8H	3.47	-2.89	0.02	4.50	-4.19	3.72
EX1S02A_1GW2	10Y-8H	3.05	0.00	0.00	0.00	0.00	0.00
EX1S02A_1GW3	10Y-8H	1.01	0.00	0.00	0.00	0.00	0.00
EX1S02A_S02B	10Y-8H	0.57	-19.35	-7.59	-0.92	-0.92	-0.92
EX1S02B_1GW3	10Y-8H	1.01	0.00	0.00	0.00	0.00	0.00
EX1S02B_1GW4	10Y-8H	2.88	0.00	0.00	0.00	0.00	0.00
EX1S02B_S03A	10Y-8H	3.32	-12.28	5.49	-0.58	-0.58	-0.58
EX1S02_S02B	10Y-8H	7.73	0.00	2.08	5.70	11.93	8.41
EX1S02_SWALE1W3	10Y-8H	4.02	-2.06	0.26	4.17	3.68	3.78
EX1S03A_1GW4	10Y-8H	2.88	0.00	0.00	0.00	0.00	0.00
EX1S03A_1GW5	10Y-8H	0.77	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX1S03A_S04A	10Y-8H	8.03	-9.35	7.99	-0.45	-0.45	-0.45
EX1S03_S03A	10Y-8H	4.83	0.00	0.67	4.71	5.71	4.85
EX1S04A_1GW5	10Y-8H	0.77	0.00	0.00	0.00	0.00	0.00
EX1S04A_1GW6	10Y-8H	3.30	0.00	0.00	0.00	0.00	0.00
EX1S04A_S05A	10Y-8H	4.20	-8.75	4.25	-0.42	-0.42	-0.42
EX1S04_S04A	10Y-8H	4.06	0.00	0.49	4.87	9.45	6.69
EX1S04_SWALE1W4	10Y-8H	2.76	-2.20	0.01	2.85	-3.76	-2.72
EX1S05A_1GW6	10Y-8H	3.30	0.00	0.00	0.00	0.00	0.00
EX1S05_AS05A	10Y-8H	5.40	-5.34	0.07	3.05	-4.19	-3.48
EX1S05_S05A	10Y-8H	8.80	-1.53	-2.34	7.67	16.58	12.13
EX1S06_S01A	10Y-8H	1.81	-0.19	-0.28	3.61	4.96	3.98
EX1S07_S01A	10Y-8H	1.81	-0.34	-0.40	3.61	6.88	4.97
EX1S08_S01B	10Y-8H	2.33	0.00	0.33	3.92	5.41	4.34
EX1S09_S01B	10Y-8H	1.00	-1.03	-0.53	3.03	5.59	4.05
EX1S10_S02A	10Y-8H	2.47	0.00	0.53	3.99	7.72	5.56
EX1S11_S02B	10Y-8H	1.72	-0.49	-0.47	3.55	6.54	4.71
EX1S12_S02B	10Y-8H	3.58	0.00	-0.70	4.26	7.74	5.70
EX1S13_S03A	10Y-8H	2.36	0.00	0.46	3.93	7.59	5.47
EX1S14_S03A	10Y-8H	2.26	0.00	0.68	3.68	7.51	5.30
EX1S15_S04A	10Y-8H	2.51	0.00	-0.75	3.80	8.90	6.04
EX1S16_S05A	10Y-8H	1.12	-1.04	0.31	3.13	5.80	4.19
EX1S17_S05A	10Y-8H	0.82	-1.35	0.32	2.86	5.16	3.75
EX1S18_S05A	10Y-8H	1.67	-1.97	0.32	2.41	1.93	2.16
EX1S18_WEIR	10Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
SWALE1W1_S01B	10Y-8H	2.11	-0.06	-0.43	3.88	1.72	2.75
SWALE1W2_S02A	10Y-8H	0.58	-0.37	-0.02	2.64	5.97	4.12
SWALE1W3_S03	10Y-8H	5.10	-2.61	4.04	4.80	11.73	7.21
SWALE1W4_S05A	10Y-8H	5.32	-5.32	-1.83	4.02	-3.07	-3.03
C-100A_WEIR	25Y-72H	0.00	0.00	0.00	0.00	0.00	0.00
EX1AS05A_WEIR	25Y-72H	14.73	0.00	0.01	1.89	1.89	1.89
EX1AS05B_C-100A	25Y-72H	14.73	0.00	0.13	6.35	11.34	8.85
EX1S01A_1GW1	25Y-72H	3.72	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX1S01A_S01B	25Y-72H	16.80	-0.72	16.80	0.80	0.80	0.80
EX1S01B_1GW1	25Y-72H	3.72	-0.01	0.00	0.00	0.00	0.00
EX1S01B_1GW2	25Y-72H	3.78	0.00	0.00	0.00	0.00	0.00
EX1S01B_S02A	25Y-72H	5.01	-7.85	-4.93	-0.37	-0.37	-0.37
EX1S01_S01A	25Y-72H	8.73	0.00	-1.75	7.35	14.06	10.62
EX1S01_SWALE1W1	25Y-72H	8.07	-3.80	0.02	6.58	6.58	6.58
EX1S02A_1GW2	25Y-72H	3.78	0.00	0.00	0.00	0.00	0.00
EX1S02A_1GW3	25Y-72H	1.25	0.00	0.00	0.00	0.00	0.00
EX1S02A_S02B	25Y-72H	7.38	-13.66	-7.83	-0.65	-0.65	-0.65
EX1S02B_1GW3	25Y-72H	1.26	0.00	0.00	0.00	0.00	0.00
EX1S02B_1GW4	25Y-72H	3.57	0.00	0.00	0.00	0.00	0.00
EX1S02B_S03A	25Y-72H	7.06	-8.61	4.84	-0.41	-0.41	-0.41
EX1S02_S02B	25Y-72H	8.80	0.00	2.07	6.07	12.35	8.74
EX1S02_SWALE1W3	25Y-72H	8.63	-4.16	0.04	4.89	4.89	4.89
EX1S03A_1GW4	25Y-72H	3.57	0.00	0.00	0.00	0.00	0.00
EX1S03A_1GW5	25Y-72H	0.96	0.00	0.00	0.00	0.00	0.00
EX1S03A_S04A	25Y-72H	10.93	-7.23	8.25	0.52	0.52	0.52
EX1S03_S03A	25Y-72H	6.29	-2.95	0.38	4.22	4.00	3.56
EX1S04A_1GW5	25Y-72H	0.96	0.00	0.00	0.00	0.00	0.00
EX1S04A_1GW6	25Y-72H	4.09	0.00	0.00	0.00	0.00	0.00
EX1S04A_S05A	25Y-72H	5.92	-5.24	-4.03	0.28	0.28	0.28
EX1S04_S04A	25Y-72H	3.49	-0.51	0.85	4.51	5.41	3.85
EX1S04_SWALE1W4	25Y-72H	4.43	-2.07	0.01	3.61	-3.68	3.61
EX1S05A_1GW6	25Y-72H	4.09	0.00	0.00	0.00	0.00	0.00
EX1S05_AS05A	25Y-72H	10.22	-5.31	-0.04	5.78	5.78	5.78
EX1S05_S05A	25Y-72H	6.73	-3.52	1.19	5.76	12.71	9.10

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX1S06_S01A	25Y-72H	2.78	-0.31	0.30	3.29	2.79	2.28
EX1S07_S01A	25Y-72H	2.79	-0.38	0.40	3.29	2.27	2.27
EX1S08_S01B	25Y-72H	3.58	0.00	-0.33	3.56	3.06	2.92
EX1S09_S01B	25Y-72H	1.55	-1.02	0.44	2.71	-2.20	1.63
EX1S10_S02A	25Y-72H	3.81	0.00	0.43	3.64	3.11	3.11
EX1S11_S02B	25Y-72H	3.13	-0.29	0.41	3.39	2.55	2.55
EX1S12_S02B	25Y-72H	5.54	0.00	0.59	3.89	4.31	3.22
EX1S13_S03A	25Y-72H	3.64	0.00	0.44	3.58	2.97	2.97
EX1S14_S03A	25Y-72H	3.66	0.00	0.63	3.59	2.07	2.38
EX1S15_S04A	25Y-72H	4.46	0.00	0.72	3.86	2.53	2.68
EX1S16_S05A	25Y-72H	1.70	-0.99	0.27	2.79	-2.10	1.70
EX1S17_S05A	25Y-72H	1.25	-1.34	0.28	2.55	-2.65	-1.73
EX1S18_S05A	25Y-72H	2.89	-1.85	-0.31	2.36	2.36	2.36
EX1S18_WEIR	25Y-72H	4.28	0.00	0.00	1.41	1.41	1.41
SWALE1W1_S01B	25Y-72H	5.58	-4.68	-0.36	5.13	4.54	4.54
SWALE1W2_S02A	25Y-72H	6.55	-5.20	-1.41	6.05	12.58	8.70
SWALE1W3_S03	25Y-72H	5.09	-11.67	-2.00	-6.60	12.32	7.57
SWALE1W4_S05A	25Y-72H	8.39	-8.64	-2.10	-4.89	-4.89	-4.89

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
1GW1	100Y-1H	63894	0	63894
1GW1	100Y-24H	258199	66	258134
1GW1	100Y-8H	145636	77	145559
1GW1	10Y-1H	38713	0	38713
1GW1	10Y-24H	151520	138	151382
1GW1	10Y-8H	101782	116	101666
1GW1	25Y-72H	224139	152	223987

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
1GW2	100Y-1H	64841	0	64841
1GW2	100Y-24H	262169	0	262169
1GW2	100Y-8H	147837	0	147837
1GW2	10Y-1H	39292	0	39292
1GW2	10Y-24H	153840	0	153840
1GW2	10Y-8H	103325	0	103325
1GW2	25Y-72H	227544	0	227544

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
1GW3	100Y-1H	21542	0	21542
1GW3	100Y-24H	87128	0	87128
1GW3	100Y-8H	49104	0	49104
1GW3	10Y-1H	13055	0	13055
1GW3	10Y-24H	51123	0	51123
1GW3	10Y-8H	34329	0	34329
1GW3	25Y-72H	75624	0	75624

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
1GW4	100Y-1H	61363	0	61363
1GW4	100Y-24H	248201	0	248201
1GW4	100Y-8H	139794	0	139794
1GW4	10Y-1H	37185	0	37185
1GW4	10Y-24H	145635	0	145635
1GW4	10Y-8H	97775	0	97775

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
1GW4	25Y-72H	215451	0	215451

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
1GW5	100Y-1H	16470	0	16470
1GW5	100Y-24H	66623	0	66623
1GW5	100Y-8H	37502	0	37502
1GW5	10Y-1H	9981	0	9981
1GW5	10Y-24H	39095	0	39095
1GW5	10Y-8H	26241	0	26241
1GW5	25Y-72H	57837	0	57837

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
1GW6	100Y-1H	70250	0	70250
1GW6	100Y-24H	284249	0	284249
1GW6	100Y-8H	159896	0	159896
1GW6	10Y-1H	42585	0	42585
1GW6	10Y-24H	166819	0	166819
1GW6	10Y-8H	111932	0	111932
1GW6	25Y-72H	246795	0	246795

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
C-100A	100Y-1H	13412	0	13412
C-100A	100Y-24H	224	0	224
C-100A	100Y-8H	106455	0	106455
C-100A	10Y-1H	0	0	0
C-100A	10Y-24H	0	0	0
C-100A	10Y-8H	10846	0	10846
C-100A	25Y-72H	99733	0	99733

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1AS05A	100Y-1H	62127	61696	430
EX1AS05A	100Y-24H	137415	136916	500
EX1AS05A	100Y-8H	163100	162672	429
EX1AS05A	10Y-1H	29031	28601	430
EX1AS05A	10Y-24H	96160	95652	509
EX1AS05A	10Y-8H	73267	72837	430
EX1AS05A	25Y-72H	216993	216499	494

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1AS05B	100Y-1H	12778	12524	254
EX1AS05B	100Y-24H	511	224	287
EX1AS05B	100Y-8H	106709	106455	254
EX1AS05B	10Y-1H	0	0	0
EX1AS05B	10Y-24H	0	0	0
EX1AS05B	10Y-8H	11100	10846	254
EX1AS05B	25Y-72H	97041	96754	287

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S01	100Y-1H	60417	60056	361
EX1S01	100Y-24H	205236	204839	397
EX1S01	100Y-8H	117350	117010	341
EX1S01	10Y-1H	29530	29140	390
EX1S01	10Y-24H	127848	127442	406
EX1S01	10Y-8H	82687	82331	356
EX1S01	25Y-72H	189108	188707	401

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S01A	100Y-1H	65690	65287	403
EX1S01A	100Y-24H	253544	254528	-984
EX1S01A	100Y-8H	134172	133454	718
EX1S01A	10Y-1H	40586	40441	145
EX1S01A	10Y-24H	157639	158027	-388
EX1S01A	10Y-8H	99985	99420	564
EX1S01A	25Y-72H	219164	218731	433

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S01B	100Y-1H	74895	74816	79
EX1S01B	100Y-24H	269674	266768	2905
EX1S01B	100Y-8H	169948	168880	1068
EX1S01B	10Y-1H	45323	45174	149
EX1S01B	10Y-24H	155224	154281	943
EX1S01B	10Y-8H	105806	105989	-183
EX1S01B	25Y-72H	249927	247215	2712

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S02	100Y-1H	45037	44543	494
EX1S02	100Y-24H	136224	135716	508
EX1S02	100Y-8H	103712	103244	468
EX1S02	10Y-1H	20251	19781	470
EX1S02	10Y-24H	82139	81608	532
EX1S02	10Y-8H	60196	59727	469
EX1S02	25Y-72H	146313	145782	531

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S02A	100Y-1H	63516	63554	-38
EX1S02A	100Y-24H	257118	258217	-1099
EX1S02A	100Y-8H	152084	154914	-2830
EX1S02A	10Y-1H	40940	40833	107
EX1S02A	10Y-24H	147606	146286	1320
EX1S02A	10Y-8H	95822	95919	-98
EX1S02A	25Y-72H	242869	241340	1529

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S02B	100Y-1H	88658	88505	153
EX1S02B	100Y-24H	292806	290971	1835
EX1S02B	100Y-8H	176511	174640	1872
EX1S02B	10Y-1H	55578	55451	127
EX1S02B	10Y-24H	185641	186235	-594
EX1S02B	10Y-8H	132296	131724	572

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S02B	25Y-72H	286533	284602	1930

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S03	100Y-1H	46455	46147	307
EX1S03	100Y-24H	129534	129250	284
EX1S03	100Y-8H	100844	100534	310
EX1S03	10Y-1H	15445	15133	312
EX1S03	10Y-24H	73481	73131	350
EX1S03	10Y-8H	56768	56459	310
EX1S03	25Y-72H	141794	141448	346

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S03A	100Y-1H	81619	81498	120
EX1S03A	100Y-24H	249787	252385	-2598
EX1S03A	100Y-8H	180699	181081	-382
EX1S03A	10Y-1H	50608	50431	178
EX1S03A	10Y-24H	153938	154516	-578
EX1S03A	10Y-8H	114082	114488	-407
EX1S03A	25Y-72H	278439	276348	2091

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S04	100Y-1H	24049	23618	431
EX1S04	100Y-24H	81121	80658	463
EX1S04	100Y-8H	48200	47717	482
EX1S04	10Y-1H	11692	11254	437
EX1S04	10Y-24H	31386	30908	478
EX1S04	10Y-8H	36168	35687	481
EX1S04	25Y-72H	61100	60566	534

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S04A	100Y-1H	69059	68798	260
EX1S04A	100Y-24H	236923	234213	2711
EX1S04A	100Y-8H	157336	156979	357
EX1S04A	10Y-1H	47934	47795	139
EX1S04A	10Y-24H	143727	143630	97
EX1S04A	10Y-8H	101398	101061	337
EX1S04A	25Y-72H	246778	244998	1780

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S05	100Y-1H	63973	63595	378
EX1S05	100Y-24H	202500	202009	491
EX1S05	100Y-8H	111147	110734	413
EX1S05	10Y-1H	39022	38611	411
EX1S05	10Y-24H	137996	137512	484
EX1S05	10Y-8H	85958	85568	389
EX1S05	25Y-72H	197327	196843	484

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S05A	100Y-1H	69518	69401	116
EX1S05A	100Y-24H	253325	254406	-1080
EX1S05A	100Y-8H	134483	134339	145
EX1S05A	10Y-1H	48427	48313	114
EX1S05A	10Y-24H	171653	171728	-76
EX1S05A	10Y-8H	104353	104223	130
EX1S05A	25Y-72H	240607	238789	1818

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S06	100Y-1H	8646	8284	362
EX1S06	100Y-24H	23478	23190	287
EX1S06	100Y-8H	16632	16199	433
EX1S06	10Y-1H	5893	5538	354
EX1S06	10Y-24H	15350	14948	402
EX1S06	10Y-8H	11659	11313	346
EX1S06	25Y-72H	22681	22260	422

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S07	100Y-1H	8648	8281	367
EX1S07	100Y-24H	23615	23319	297
EX1S07	100Y-8H	16633	16172	461
EX1S07	10Y-1H	5894	5540	354
EX1S07	10Y-24H	15350	14946	403
EX1S07	10Y-8H	11660	11315	345
EX1S07	25Y-72H	22683	22252	431

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S08	100Y-1H	11108	10757	351
EX1S08	100Y-24H	30153	30097	57
EX1S08	100Y-8H	21379	21073	307
EX1S08	10Y-1H	7575	7221	354
EX1S08	10Y-24H	19735	19336	400
EX1S08	10Y-8H	14987	14628	359
EX1S08	25Y-72H	29143	28760	383

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S09	100Y-1H	4860	4522	338
EX1S09	100Y-24H	13422	13140	282
EX1S09	100Y-8H	9231	9023	209
EX1S09	10Y-1H	3308	2953	355
EX1S09	10Y-24H	8464	8076	388
EX1S09	10Y-8H	6484	6131	353
EX1S09	25Y-72H	12592	12231	362

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S10	100Y-1H	11814	11461	353
EX1S10	100Y-24H	32077	31938	140
EX1S10	100Y-8H	22737	22323	414
EX1S10	10Y-1H	8056	7704	353
EX1S10	10Y-24H	20988	20587	401
EX1S10	10Y-8H	15939	15574	364

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S10	25Y-72H	30994	30591	403

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S11	100Y-1H	7025	6668	358
EX1S11	100Y-24H	23641	23315	326
EX1S11	100Y-8H	15871	15532	339
EX1S11	10Y-1H	4153	3799	355
EX1S11	10Y-24H	14420	14017	403
EX1S11	10Y-8H	10302	9966	337
EX1S11	25Y-72H	22744	22338	407

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S12	100Y-1H	16589	16231	358
EX1S12	100Y-24H	45881	45663	218
EX1S12	100Y-8H	32382	32051	331
EX1S12	10Y-1H	11168	10813	355
EX1S12	10Y-24H	29853	29426	427
EX1S12	10Y-8H	22550	22218	332
EX1S12	25Y-72H	44330	43919	410

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S13	100Y-1H	11285	10927	357
EX1S13	100Y-24H	30629	30347	283
EX1S13	100Y-8H	21719	21351	367
EX1S13	10Y-1H	7696	7341	355
EX1S13	10Y-24H	20049	19622	426
EX1S13	10Y-8H	15225	14854	371
EX1S13	25Y-72H	29606	29210	396

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S14	100Y-1H	9579	9124	454
EX1S14	100Y-24H	29004	28475	529
EX1S14	100Y-8H	20009	19545	465
EX1S14	10Y-1H	6069	5615	454
EX1S14	10Y-24H	18330	17818	512
EX1S14	10Y-8H	13495	13027	468
EX1S14	25Y-72H	27966	27458	509

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S15	100Y-1H	10053	9574	480
EX1S15	100Y-24H	33721	33242	479
EX1S15	100Y-8H	22667	22195	471
EX1S15	10Y-1H	5959	5479	481
EX1S15	10Y-24H	20613	20069	545
EX1S15	10Y-8H	14741	14266	475
EX1S15	25Y-72H	32446	31913	533

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S16	100Y-1H	5370	5015	355
EX1S16	100Y-24H	14405	13764	641
EX1S16	100Y-8H	10238	9884	353
EX1S16	10Y-1H	3659	3304	354
EX1S16	10Y-24H	9402	9001	401
EX1S16	10Y-8H	7188	6831	357
EX1S16	25Y-72H	13962	13561	401

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S17	100Y-1H	4017	3663	355
EX1S17	100Y-24H	10644	9975	669
EX1S17	100Y-8H	7562	7209	353
EX1S17	10Y-1H	2734	2380	354
EX1S17	10Y-24H	6907	6507	400
EX1S17	10Y-8H	5320	4963	357
EX1S17	25Y-72H	10311	9910	401

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S18	100Y-1H	10435	10430	5
EX1S18	100Y-24H	28247	28160	87
EX1S18	100Y-8H	20048	20044	4
EX1S18	10Y-1H	7120	7115	4
EX1S18	10Y-24H	18490	18500	-10
EX1S18	10Y-8H	14060	14057	3
EX1S18	25Y-72H	27558	27587	-29

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 1W1	100Y-1H	50287	40269	10018
SWALE 1W1	100Y-24H	138914	129014	9900
SWALE 1W1	100Y-8H	107996	98042	9954
SWALE 1W1	10Y-1H	20503	10593	9910
SWALE 1W1	10Y-24H	81231	71370	9861
SWALE 1W1	10Y-8H	60990	51069	9922
SWALE 1W1	25Y-72H	152503	142662	9842

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 1W2	100Y-1H	40696	0	40696
SWALE 1W2	100Y-24H	145773	102565	43208
SWALE 1W2	100Y-8H	104946	61613	43333
SWALE 1W2	10Y-1H	19232	0	19232
SWALE 1W2	10Y-24H	84062	40936	43125
SWALE 1W2	10Y-8H	57935	14835	43100
SWALE 1W2	25Y-72H	147652	104552	43100

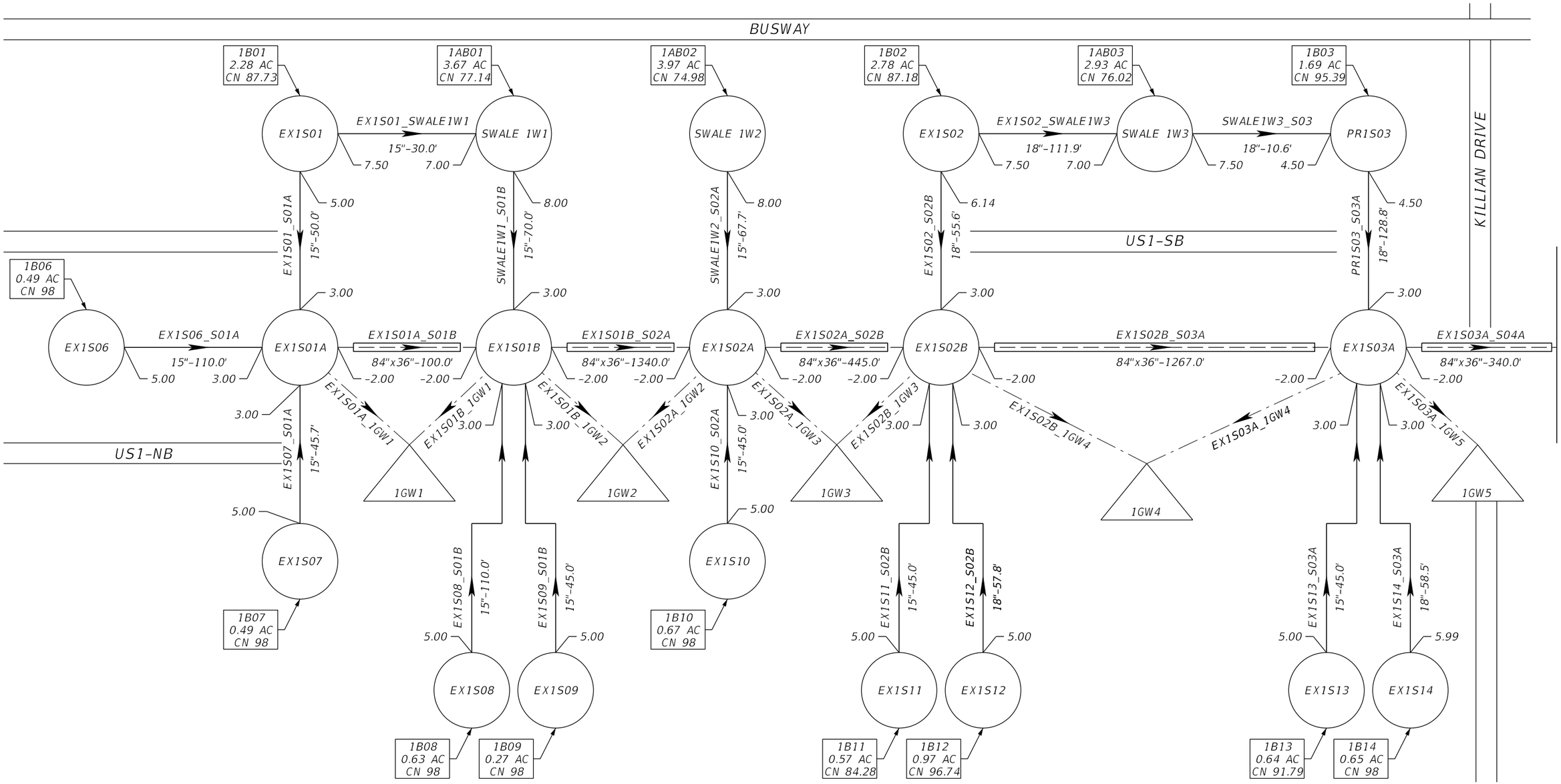
Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 1W3	100Y-1H	49761	37950	11811
SWALE 1W3	100Y-24H	111862	100043	11820
SWALE 1W3	100Y-8H	102936	91128	11808
SWALE 1W3	10Y-1H	15731	3945	11786
SWALE 1W3	10Y-24H	64473	52676	11797
SWALE 1W3	10Y-8H	54110	42315	11795

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 1W3	25Y-72H	137992	126235	11757

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 1W4	100Y-1H	55849	55921	-72
SWALE 1W4	100Y-24H	165637	165680	-43
SWALE 1W4	100Y-8H	127600	127686	-86
SWALE 1W4	10Y-1H	27333	27334	-1
SWALE 1W4	10Y-24H	95786	95747	39
SWALE 1W4	10Y-8H	77487	77577	-91
SWALE 1W4	25Y-72H	180768	180895	-128



LEGEND

B-### #.## AC CN ##.# — CONTRIBUTING BASIN, BASIN NAME, BASIN AREA, CURVE NUMBER	NODE NAME — BOUNDARY NODE WITH CONSTANT TAILWATER	###-### ##"-###' #.## #.## — EXFILTRATION TRENCH LINK WITH SIZE-LENGTH INVERT ELEVATION	####_WEIR VERTICAL TYPE EL. #.##, ## — WEIR LINK WITH WEIR TYPE ELEVATION, WIDTH	###### CHANNEL ###' #.## #.## — CHANNEL LINK WITH LENGTH INVERT ELEVATION
#-### — NODE NAME	PATRICIA LAKE — BOUNDARY NODE WITH VARIABLE TAILWATER	###-### (#)##"-###' #.## #.## — PIPE LINK WITH (QUANTITY)SIZE-LENGTH INVERT ELEVATION	##_## — RATING CURVE LINK	

N.T.S.

1 OF 2

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

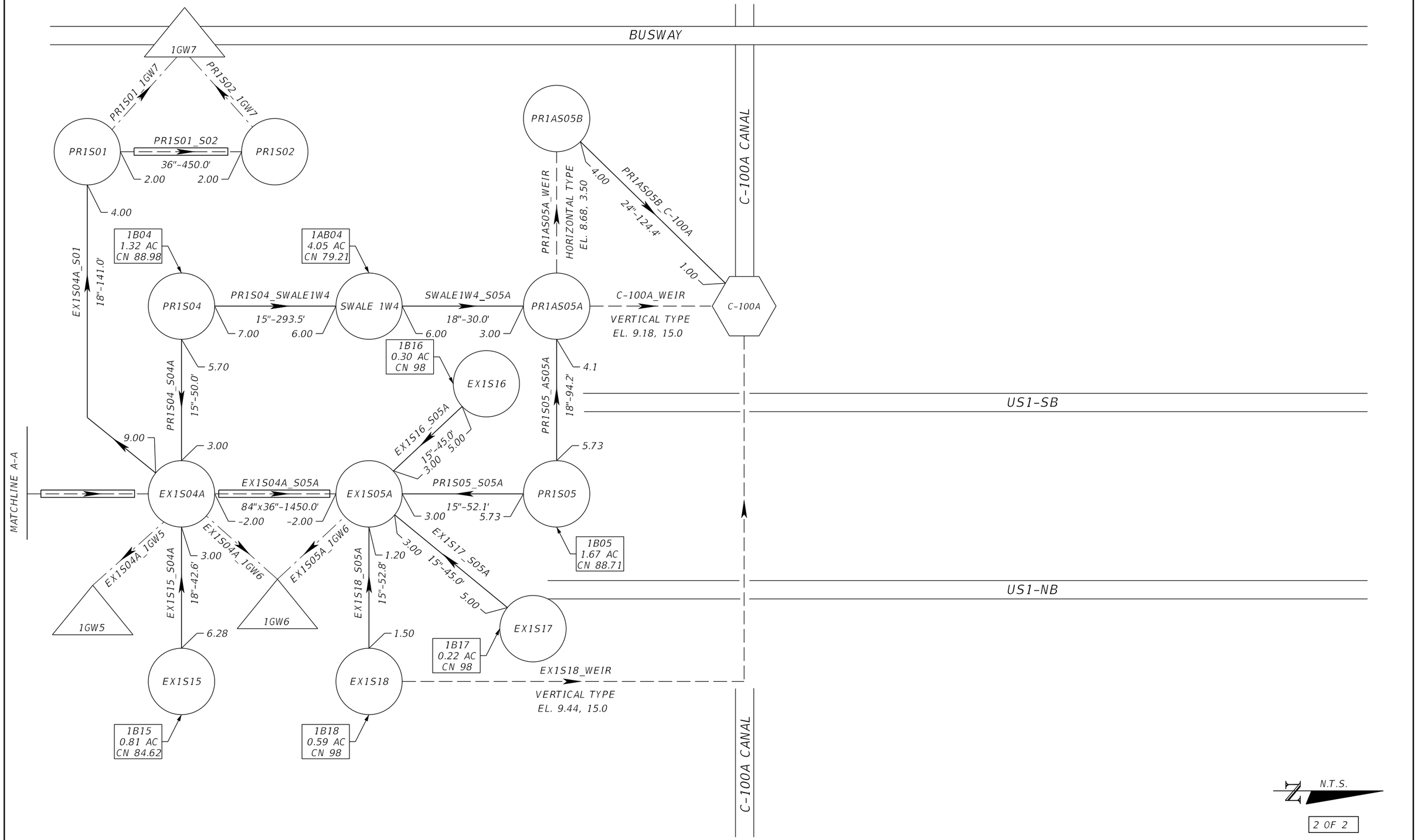
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



2 OF 2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-2

Simple Basin: 1AB01

Scenario:	Scenario1
Node:	SWALE 1W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.6700 ac
Curve Number:	77.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1AB02

Scenario:	Scenario1
Node:	SWALE 1W2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9700 ac
Curve Number:	75.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1AB03

Scenario:	Scenario1
Node:	SWALE 1W3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.9300 ac
Curve Number:	76.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1AB04

Scenario:	Scenario1
Node:	SWALE 1W4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0500 ac
Curve Number:	79.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B01

Scenario:	Scenario1
Node:	EX1S01
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2800 ac
Curve Number:	87.7
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B02

Scenario:	Scenario1
Node:	EX1S02
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2800 ac
Curve Number:	87.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B03

Scenario:	Scenario1
Node:	PR1S03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.6900 ac
Curve Number:	95.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B04

Scenario:	Scenario1
Node:	PR1S04
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3200 ac
Curve Number:	89.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B05

Scenario:	Scenario1
Node:	PR1S05
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.6700 ac
Curve Number:	88.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B06

Scenario:	Scenario1
Node:	EX1S06
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B07

Scenario:	Scenario1
Node:	EX1S07
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B08

Scenario:	Scenario1
Node:	EX1S08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B09

Scenario:	Scenario1
Node:	EX1S09
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B10

Scenario:	Scenario1
Node:	EX1S10
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B11

Scenario:	Scenario1
Node:	EX1S11
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5700 ac
Curve Number:	84.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B12

Scenario:	Scenario1
Node:	EX1S12
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9700 ac
Curve Number:	96.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B13

Scenario:	Scenario1
Node:	EX1S13
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6400 ac
Curve Number:	91.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B14

Scenario:	Scenario1
Node:	EX1S14
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B15

Scenario:	Scenario1
Node:	EX1S15
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8100 ac
Curve Number:	84.6
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B16

Scenario:	Scenario1
Node:	EX1S16
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B17

Scenario:	Scenario1
Node:	EX1S17
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 1B18

Scenario:	Scenario1
Node:	EX1S18
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Node: 1GW1

Scenario:	Scenario1
Type:	Time/Stage
Base Flow:	0.00 cfs
Initial Stage:	1.46 ft
Warning Stage:	3.46 ft
Boundary Stage:	1GW1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 1GW2

Scenario:	Scenario1
Type:	Time/Stage
Base Flow:	0.00 cfs
Initial Stage:	1.46 ft
Warning Stage:	3.46 ft
Boundary Stage:	1GW2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 1GW3

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 1GW3

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 1GW4

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 1GW4

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 1GW5

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 1GW5

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 1GW6

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 1GW6

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 1GW7

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 1GW7

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: C-100A

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.95 ft
Warning Stage: 3.95 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.95
0	0	0	999.0000	1.95

Comment: C-100A CANAL

Node: EX1S01

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.30 ft

Stage [ft]	Area [ac]	Area [ft2]
4.10	0.0003	12
10.30	0.0003	12
10.31	0.0028	122
1.46	0.0010	44

Comment: CURB INLET

GRATE ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S01A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 11.04 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.00	0.0227	989
5.00	0.0227	989
5.01	0.0003	13
11.04	0.0003	13
11.05	0.0029	126

Comment: MANHOLE

RIM ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S01B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft

Warning Stage: 11.21 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.00	0.0458	1995
5.00	0.0458	1995
5.01	0.0003	13
11.21	0.0003	13
11.22	0.0029	126

Comment: MANHOLE

RIM ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S02

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.34 ft

Stage [ft]	Area [ac]	Area [ft2]
4.14	0.0003	12
10.34	0.0003	12
10.35	0.0028	122
1.46	0.0010	44

Comment: CURB INLET

GRATE ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S02A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 11.08 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.00	0.0307	1339
5.00	0.0307	1339
5.01	0.0003	13
11.08	0.0003	13
11.09	0.0029	126

Comment: MANHOLE

RIM ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S02B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.98 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.00	0.0295	1284
5.00	0.0295	1284
5.01	0.0003	13
11.08	0.0003	13
11.09	0.0029	126

Comment: MANHOLE

RIM ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S03A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.98 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.00	0.0277	1205
5.00	0.0277	1205
5.01	0.0003	13
10.98	0.0003	13
10.99	0.0029	126

Comment: MANHOLE

RIM ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S04A

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.72 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.00	0.0308	1343
5.00	0.0308	1343
5.01	0.0003	13
10.72	0.0003	13
10.73	0.0029	126

Comment: MANHOLE

RIM ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S05A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.63 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.00	0.0250	1089
5.00	0.0250	1089
5.01	0.0003	13
10.63	0.0003	13
10.64	0.0029	126

Comment: MANHOLE

RIM ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S06

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.20 ft

Stage [ft]	Area [ac]	Area [ft2]
3.70	0.0003	12
10.20	0.0003	12
10.21	0.0028	122
1.46	0.0010	44

Comment: FIRST NODE NB

Node: EX1S07

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.16 ft

Stage [ft]	Area [ac]	Area [ft2]
3.70	0.0003	12
10.16	0.0003	12
10.17	0.0028	122
1.46	0.0010	44

Comment: CURB INLET

GRATE ELEVATION TAKEN AT ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S08

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.40 ft

Stage [ft]	Area [ac]	Area [ft2]
3.70	0.0003	12
10.40	0.0003	12
10.41	0.0028	122
1.46	0.0010	44

Comment: SECOND NODE NB

Node: EX1S09

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.17 ft

Stage [ft]	Area [ac]	Area [ft2]
3.70	0.0003	12
10.17	0.0003	12
10.18	0.0028	122
1.46	0.0010	44

Comment: THIRD NODE NB

Node: EX1S10

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.15 ft

Stage [ft]	Area [ac]	Area [ft2]
3.70	0.0003	12
10.15	0.0003	12
10.16	0.0028	122
1.46	0.0010	44

Comment: FOURTH NODE NB

Node: EX1S11

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.25 ft

Stage [ft]	Area [ac]	Area [ft2]
3.70	0.0003	12
10.25	0.0003	12
10.26	0.0028	122
1.46	0.0010	44

Comment:

Node: EX1S12

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 1.46 ft
Warning Stage: 10.15 ft

Stage [ft]	Area [ac]	Area [ft2]
3.70	0.0003	12
10.15	0.0003	12
10.16	0.0028	122
1.46	0.0010	44

Comment: CURB INLET

GRATE ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S13

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.20 ft

Stage [ft]	Area [ac]	Area [ft2]
3.70	0.0003	12
10.20	0.0003	12
10.21	0.0028	122
1.46	0.0010	44

Comment:

Node: EX1S14

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.19 ft

Stage [ft]	Area [ac]	Area [ft2]
3.99	0.0003	12
10.19	0.0003	12
10.20	0.0028	122
1.46	0.0010	44

Comment: CURB INLET

GRATE ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S15

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.48 ft

Stage [ft]	Area [ac]	Area [ft2]
4.28	0.0003	12
10.48	0.0003	12
10.49	0.0028	122
1.46	0.0010	44

Comment: CURB INLET

GRATE ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: EX1S16

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.70	0.0003	12
10.00	0.0003	12
10.01	0.0028	122
1.46	0.0010	44

Comment: FIFTH NODE NB

Node: EX1S17

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 9.90 ft

Stage [ft]	Area [ac]	Area [ft2]
3.70	0.0003	12
9.90	0.0003	12
9.91	0.0028	122
1.46	0.0010	44

Comment:

Node: EX1S18

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 8.94 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.50	0.0004	18
8.94	0.0004	18
8.95	0.0041	179

Comment: S-06 FROM FPID 425513-1-52-01

Node: PR1AS05A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 9.50 ft

Stage [ft]	Area [ac]	Area [ft2]
1.46	0.0003	14
8.68	0.0003	14
8.69	0.0032	140

Comment: PROPOSED CONTROL STUCTURE THAT DISCHARGES INTO C-100A CANAL

Node: PR1AS05B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 9.30 ft

Stage [ft]	Area [ac]	Area [ft2]
1.46	0.0003	14
8.68	0.0003	14
8.69	0.0032	140

Comment: PROPOSED CONTROL STUCTURE THAT DISCHARGES INTO C-100A CANAL

Node: PR1S01

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 8.70 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.60	0.0062	270
7.40	0.0062	270
8.71	0.0005	21
8.72	0.0048	209

Comment:

Node: PR1S02

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 8.40 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.60	0.0062	270
7.40	0.0062	270
8.41	0.0005	21
8.42	0.0048	209

Comment:

Node: PR1S03

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.30 ft

Stage [ft]	Area [ac]	Area [ft2]
4.10	0.0003	12
10.30	0.0003	12

Stage [ft]	Area [ac]	Area [ft2]
10.31	0.0028	122
1.46	0.0010	44

Comment: CURB INLET

GRATE ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: PR1S04

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 10.48 ft

Stage [ft]	Area [ac]	Area [ft2]
4.28	0.0003	12
10.48	0.0003	12
10.49	0.0028	122
1.46	0.0010	44

Comment: CURB INLET

GRATE ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: PR1S05

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 9.93 ft

Stage [ft]	Area [ac]	Area [ft2]
3.73	0.0003	12
9.93	0.0003	12
9.94	0.0028	122
1.46	0.0010	44

Comment: CURB INLET

GRATE ELEVATION TAKEN FROM PROPOSED ROADWAY ELEVATION FPID 425513-1-52-01

Node: SWALE 1W1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.00	0.3500	15246
8.00	0.5500	23958
9.00	0.9000	39204

Comment: WARNING ELEVATION TAKEN AT ROAD ELEVATION

Node: SWALE 1W2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.00	0.0500	2178
7.00	0.5200	22651
8.00	0.7800	33977
9.00	1.0900	47480

Comment: WARNING ELEVATION TAKEN AT ROAD ELEVATION

Node: SWALE 1W3

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.00	0.2500	10890
8.00	0.6800	29621
9.00	0.7500	32670
10.00	0.8200	35719

Comment: WARNING ELEVATION TAKEN AT ROAD ELEVATION

Node: SWALE 1W4

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.00	0.1000	4356
7.00	0.2400	10454
8.00	0.7100	30928
9.00	0.8700	37897
10.00	0.9000	39204

Comment: WARNING ELEVATION TAKEN AT ROAD ELEVATION

Weir Link: C-100A_WEIR

Scenario: Scenario1
From Node: PR1AS05A
To Node: C-100A
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Trapezoidal
Invert: 9.18 ft
Control Elevation: 9.18 ft
Max Depth: 2.00 ft
Extrapolation Method: Normal Projection
Bottom Width: 15.00 ft
Left Slope: 4.000 (h:v)
Right Slope: 4.000 (h:v)

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: OVERLAND WEIR

Rating Curve Link: EX1S01A_1GW1

Scenario: Scenario1
From Node: EX1S01A
To Node: 1GW1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX1S01A_1GW1	1.46	EX1S01A	1.46	EX1S01A

Comment:

Pipe Link: EX1S01A_S01B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	EX1S01A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S01B	Geometry:	Rectangular	Geometry:	Rectangular
Link Count:	1	Max Depth:	7.00 ft	Max Depth:	7.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	100.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: SLAB-COVERED TRENCH FROM FPID 425513-1-52-01
ASSUMING DEPTH OF -2' NAVD88

Rating Curve Link: EX1S01B_1GW1

Scenario: Scenario1
From Node: EX1S01B
To Node: 1GW1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX1S01A_1GW1	1.46	EX1S01B	1.46	EX1S01B

Comment:

Rating Curve Link: EX1S01B_1GW2

Scenario: Scenario1
From Node: EX1S01B
To Node: 1GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX1S01B_1GW2	1.46	EX1S01B	1.46	EX1S01B

Comment:

Pipe Link: EX1S01B_S02A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	EX1S01B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S02A	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	7.00 ft	Max Depth:	7.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	1340.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: SLAB-COVERED TRENCH FROM FPID 425513-1-52-01

ASSUMING DEPTH OF -2' NAVD88

Pipe Link: EX1S01_S01A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	3.00 ft
From Node:	EX1S01	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S01A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 15" PIPE

Pipe Link: EX1S01_SWALE1W1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.50 ft	Invert:	7.00 ft
From Node:	EX1S01	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 1W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 15" PIPE

Rating Curve Link: EX1S02A_1GW2

Scenario: Scenario1
From Node: EX1S02A
To Node: 1GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX1S01B_1GW2	1.46	EX1S02A	1.46	EX1S02A

Comment:

Rating Curve Link: EX1S02A_1GW3

Scenario: Scenario1
From Node: EX1S02A
To Node: 1GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX1S02A_1GW3	1.46	EX1S02A	1.46	EX1S02A

Comment:

Pipe Link: EX1S02A_S02B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	EX1S02A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S02B	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	7.00 ft	Max Depth:	7.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	445.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	

Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: SLAB-COVERED TRENCH FROM FPID 425513-1-52-01

ASSUMING DEPTH OF -2' NAVD88

Rating Curve Link: EX1S02B_1GW3

Scenario: Scenario1
From Node: EX1S02B
To Node: 1GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX1S02A_1GW3	1.46	EX1S02B	1.46	EX1S02B

Comment:

Rating Curve Link: EX1S02B_1GW4

Scenario: Scenario1
From Node: EX1S02B
To Node: 1GW4
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX1S02B_1GW4	1.46	EX1S02B	1.46	EX1S02B

Comment:

Pipe Link: EX1S02B_S03A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	EX1S02B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S03A	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	7.00 ft	Max Depth:	7.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	1267.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft

Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: SLAB-COVERED TRENCH FROM FPID 425513-1-52-01

ASSUMING DEPTH OF -2' NAVD88

Pipe Link: EX1S02_S02B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.14 ft	Invert:	3.00 ft
From Node:	EX1S02	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S02B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	55.61 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: EX1S02_SWALE1W3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.50 ft	Invert:	7.00 ft
From Node:	EX1S02	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 1W3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	111.90 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Rating Curve Link: EX1S03A_1GW4

Scenario: Scenario1
From Node: EX1S03A
To Node: 1GW4
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX1S02B_1GW4	1.46	EX1S03A	1.46	EX1S03A

Comment:

Rating Curve Link: EX1S03A_1GW5

Scenario: Scenario1
From Node: EX1S03A
To Node: 1GW5
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX1S03A_1GW5	1.46	EX1S03A	1.46	EX1S03A

Comment:

Pipe Link: EX1S03A_S04A

Scenario: Scenario1
From Node: EX1S03A
To Node: EX1S04A
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 340.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	-2.00 ft	Invert:	-2.00 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Rectangular		Geometry: Rectangular	
Max Depth:	7.00 ft	Max Depth:	7.00 ft
Max Width:	3.00 ft	Max Width:	3.00 ft
Fillet:	0.00 ft	Fillet:	0.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: SLAB-COVERED TRENCH FROM FPID 425513-1-52-01

ASSUMING DEPTH OF -2' NAVD88

Rating Curve Link: EX1S04A_1GW5

Scenario: Scenario1
From Node: EX1S04A
To Node: 1GW5
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX1S03A_1GW5	1.46	EX1S04A	1.46	EX1S04A

Comment:

Rating Curve Link: EX1S04A_1GW6

Scenario: Scenario1
From Node: EX1S04A
To Node: 1GW6
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX1S04A_1GW6	1.46	EX1S04A	1.46	EX1S04A

Comment:

Pipe Link: EX1S04A_S01

Scenario: Scenario1
From Node: EX1S04A
To Node: PR1S01
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 141.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	9.00 ft	Invert:	4.00 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	1.50 ft	Max Depth:	1.50 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: PROPOSED 18" PIPE

Pipe Link: EX1S04A_S05A

Scenario: Scenario1
From Node: EX1S04A

Upstream		Downstream	
Invert:	-2.00 ft	Invert:	-2.00 ft
Manning's N:	0.0120	Manning's N:	0.0120

		Geometry: Rectangular		Geometry: Rectangular	
To Node:	EX1S05A	Max Depth:	7.00 ft	Max Depth:	7.00 ft
Link Count:	1	Max Width:	3.00 ft	Max Width:	3.00 ft
Flow Direction:	Both	Fillet:	0.00 ft	Fillet:	0.00 ft
Damping:	0.0000 ft	Bottom Clip			
Length:	1450.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	0.10	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00	Top Clip			
Bend Location:	0.00 ft	Default:	0.00 ft	Default:	0.00 ft
Energy Switch:	Energy	Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: SLAB-COVERED TRENCH FROM FPID 425513-1-52-01

ASSUMING DEPTH OF -2' NAVD88

Rating Curve Link: EX1S05A_1GW6

Scenario: Scenario1
From Node: EX1S05A
To Node: 1GW6
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX1S04A_1GW6	1.46	EX1S04A	1.46	EX1S04A

Comment:

Pipe Link: EX1S06_S01A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	3.00 ft
From Node:	EX1S06	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S01A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	110.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 15" PIPE

Pipe Link: EX1S07_S01A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	3.00 ft
From Node:	EX1S07	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S01A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.70 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX1S08_S01B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	3.00 ft
From Node:	EX1S08	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S01B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	110.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX1S09_S01B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	3.00 ft
From Node:	EX1S09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S01B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX1S10_S02A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	3.00 ft
From Node:	EX1S10	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S02A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX1S11_S02B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	3.00 ft
From Node:	EX1S11	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S02B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX1S12_S02B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	3.00 ft

From Node:	EX1S12	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S02B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	57.80 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: EX1S13_S03A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	3.00 ft
From Node:	EX1S13	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S03A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX1S14_S03A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.99 ft	Invert:	3.00 ft
From Node:	EX1S14	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S03A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	58.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: EX1S15_S04A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.28 ft	Invert:	3.00 ft
From Node:	EX1S15	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S04A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	42.62 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: EX1S16_S05A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	3.00 ft
From Node:	EX1S16	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S05A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX1S17_S05A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	3.00 ft
From Node:	EX1S17	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S05A	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX1S18_S05A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.50 ft	Invert:	1.20 ft
From Node:	EX1S18	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S05A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	52.80 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" PIPE

Weir Link: EX1S18_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	EX1S18	Default:	0.00 ft
To Node:	C-100A	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	9.44 ft	Discharge Coefficients	
Control Elevation:	9.44 ft	Weir Default:	3.200
Max Depth:	2.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	15.00 ft	Orifice Table:	
Left Slope:	2.000 (h:v)		

Right Slope: 2.000 (h:v)

Comment: OVERLAND WEIR

Weir Link: PR1AS05A_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	PR1AS05A	Default:	0.00 ft
To Node:	PR1AS05B	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	8.68 ft	Discharge Coefficients	
Control Elevation:	8.68 ft	Weir Default:	2.800
Max Depth:	5.00 ft	Weir Table:	
Max Width:	3.50 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: PR1AS05B_C-100A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.00 ft	Invert:	1.00 ft
From Node:	PR1AS05B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	C-100A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	124.44 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" PIPE

FPID 433489-1-52-01

Rating Curve Link: PR1S01_1GW7	
Scenario:	Scenario1
From Node:	PR1S01
To Node:	1GW7

Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR2S01_1GW7	1.46	PR1S01	1.46	PR1S01

Comment:

Pipe Link: PR1S01_S02		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.00 ft	Invert:	2.00 ft
From Node:	PR1S01	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR1S02	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	450.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR1S02_1GW7

Scenario: Scenario1
From Node: PR1S02
To Node: 1GW7
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR2S01_1GW7	1.46	PR1S02	1.46	PR1S02

Comment:

Pipe Link: PR1S03_S03A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.50 ft	Invert:	3.00 ft
From Node:	PR1S03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S03A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	137.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: PR1S04_S04A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.70 ft	Invert:	3.00 ft
From Node:	PR1S04	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S04A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	108.80 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 15" PIPE

Pipe Link: PR1S04_SWALE1W4		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.00 ft	Invert:	6.00 ft
From Node:	PR1S04	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 1W4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	217.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 15" PIPE

Pipe Link: PR1S05_AS05A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.73 ft	Invert:	4.10 ft
From Node:	PR1S05	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR1AS05A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	95.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: PR1S05_S05A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.73 ft	Invert:	3.00 ft
From Node:	PR1S05	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S05A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	57.10 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" PIPE

Pipe Link: SWALE1W1_S01B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	8.00 ft	Invert:	3.00 ft
From Node:	SWALE 1W1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S01B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	70.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 15" PIPE

Pipe Link: SWALE1W2_S02A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	8.00 ft	Invert:	3.00 ft
From Node:	SWALE 1W2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX1S02A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	67.70 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 15" PIPE

Pipe Link: SWALE1W3_S03		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.50 ft	Invert:	4.50 ft
From Node:	SWALE 1W3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR1S03	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	72.30 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: SWALE1W4_S05A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.00 ft	Invert:	3.00 ft

From Node:	SWALE 1W4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR1AS05A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Rating Curve: EX1S01A_1GW1

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	5.00	1.42
1.46	10.23	4.22
2.71	2.71	0.00
2.71	5.00	1.07
2.71	10.23	3.97

Comment:

Rating Curve: EX1S01B_1GW2

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	5.00	1.44
1.46	10.23	4.28
2.71	2.71	0.00
2.71	5.00	1.09
2.71	10.23	4.03

Comment:

Rating Curve: EX1S02A_1GW3

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	5.00	0.48
1.46	10.23	1.42
2.71	2.71	0.00
2.71	5.00	0.36
2.71	10.23	1.34

Comment:

Rating Curve: EX1S02B_1GW4

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	5.00	1.36
1.46	10.23	4.05
2.71	2.71	0.00
2.71	5.00	1.03
2.71	10.23	3.81

Comment:

Rating Curve: EX1S03A_1GW5

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	5.00	0.37
1.46	10.23	1.09
2.71	2.71	0.00
2.71	5.00	0.28
2.71	10.23	1.02

Comment:

Rating Curve: EX1S04A_1GW6

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	5.00	1.56
1.46	10.23	4.64
2.71	2.71	0.00
2.71	5.00	1.18
2.71	10.23	4.36

Comment:

Rating Curve: PR2S01_1GW7

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	7.40	0.87
1.46	8.40	1.09
2.71	2.50	0.00
2.71	7.40	0.79
2.71	8.40	1.02

Comment:

Simulation: 100Y-1H

Scenario: Scenario1
Run Date/Time: 8/16/2019 4:48:51 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 100YR-1HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 5.10 in
Storm Duration: 1.0000 hr
Dflt Damping (1D): 0.0050 ft

Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100Y-24H

Scenario: Scenario1
Run Date/Time: 8/16/2019 4:49:12 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.5000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Lookup Tables

Boundary Stage Set: 100YR-24HR

Reference ET Folder:		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	
		Roughness Set:	
		Crop Coef Set:	
		Fillable Porosity Set:	
		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	13.44 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100Y-8H

Scenario:	Scenario1
Run Date/Time:	8/16/2019 4:49:51 PM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000

Max Calculation Time: 60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 100YR-8HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-8
Rainfall Amount: 9.60 in
Storm Duration: 8.0000 hr

Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-1H

Scenario: Scenario1
Run Date/Time: 8/16/2019 4:50:25 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:		Boundary Stage Set:	
Reference ET Folder:		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	
		Roughness Set:	
		Crop Coef Set:	
		Fillable Porosity Set:	
		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.55 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-24H

Scenario:	Scenario1
Run Date/Time:	8/16/2019 4:50:41 PM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

Hydrology [sec]	Surface Hydraulics	Groundwater [sec]

		[sec]	
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 10YR-24HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-24

		Rainfall Amount:	8.88 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-8H

Scenario: Scenario1
Run Date/Time: 8/16/2019 4:51:15 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:	
Reference ET Folder:	
Unit Hydrograph Folder:	

Lookup Tables

Boundary Stage Set:	10YR-8HR
Extern Hydrograph Set:	
Curve Number Set:	
Green-Ampt Set:	
Vertical Layers Set:	
Impervious Set:	
Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	6.80 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25Y-72H

Scenario:	Scenario1
Run Date/Time:	8/16/2019 4:51:47 PM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 25YR-72HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global

Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	13.00 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
1GW1	100Y-1H	3.46	1.46	0.0000	7.96	0.00	0
1GW2	100Y-1H	3.46	1.46	0.0000	8.08	0.00	0
1GW3	100Y-1H	3.46	1.46	0.0000	2.68	0.00	0
1GW4	100Y-1H	3.46	1.46	0.0000	7.64	0.00	0
1GW5	100Y-1H	3.46	1.46	0.0000	2.05	0.00	0
1GW6	100Y-1H	3.46	1.46	0.0000	8.74	0.00	0
1GW7	100Y-1H	3.46	1.46	0.0000	0.30	0.00	0
C-100A	100Y-1H	3.95	1.95	0.0000	6.26	0.00	0
EX1S01	100Y-1H	10.30	10.18	0.0062	14.57	20.46	100
EX1S01A	100Y-1H	11.04	9.78	0.0299	37.33	21.66	1263
EX1S01B	100Y-1H	11.21	9.78	0.0377	51.58	16.53	4288
EX1S02	100Y-1H	10.34	9.82	0.0129	14.42	27.13	121
EX1S02A	100Y-1H	11.08	9.78	0.0348	51.38	25.99	4083
EX1S02B	100Y-1H	10.98	9.78	0.0278	56.57	44.97	3963
EX1S03A	100Y-1H	10.98	9.78	0.0242	44.88	24.38	3784
EX1S04A	100Y-1H	10.72	9.78	0.0137	29.26	22.72	4123
EX1S05A	100Y-1H	10.63	9.77	0.0115	22.55	16.78	3377
EX1S06	100Y-1H	10.20	10.11	0.0047	4.66	5.51	100
EX1S07	100Y-1H	10.16	9.96	0.0050	5.05	5.51	100
EX1S08	100Y-1H	10.40	10.32	0.0041	4.94	6.41	100
EX1S09	100Y-1H	10.17	9.83	0.0053	5.32	2.89	100
EX1S10	100Y-1H	10.15	10.11	0.0043	5.26	8.46	100
EX1S11	100Y-1H	10.25	9.93	0.0054	5.37	4.81	100
EX1S12	100Y-1H	10.15	10.11	0.0043	7.46	11.50	100
EX1S13	100Y-1H	10.20	10.03	0.0052	5.24	6.87	100
EX1S14	100Y-1H	10.19	9.93	0.0034	5.10	7.22	100
EX1S15	100Y-1H	10.48	9.90	0.0032	4.79	6.86	100
EX1S16	100Y-1H	10.00	9.84	0.0055	5.53	3.20	100
EX1S17	100Y-1H	9.90	9.81	0.0057	5.66	2.35	100
EX1S18	100Y-1H	8.94	9.69	0.0076	7.60	6.26	180
PR1AS05A	100Y-1H	9.50	8.84	0.0058	10.59	10.46	142
PR1AS05B	100Y-1H	9.30	4.73	0.0011	3.12	3.11	255
PR1S01	100Y-1H	8.70	2.64	0.0010	2.99	1.30	1321
PR1S02	100Y-1H	8.40	2.47	0.0006	1.13	0.15	761
PR1S03	100Y-1H	10.30	9.80	0.0036	12.72	15.18	168
PR1S04	100Y-1H	10.48	9.89	0.0036	9.82	12.81	189
PR1S05	100Y-1H	9.93	9.77	0.0071	13.40	17.81	104
SWALE 1W1	100Y-1H	10.00	8.94	0.0003	34.91	8.08	38248
SWALE 1W2	100Y-1H	10.00	8.06	0.0003	22.94	0.01	34813
SWALE 1W3	100Y-1H	10.00	8.90	0.0002	34.42	9.46	32359
SWALE 1W4	100Y-1H	10.00	8.89	0.0009	36.78	9.99	37126
1GW1	100Y-24H	3.46	2.71	0.0009	5.78	0.00	0
1GW2	100Y-24H	3.46	2.71	0.0009	5.87	0.00	0
1GW3	100Y-24H	3.46	2.71	0.0009	1.95	0.00	0
1GW4	100Y-24H	3.46	2.71	0.0009	5.55	0.00	0
1GW5	100Y-24H	3.46	2.71	0.0009	1.49	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
1GW6	100Y-24H	3.46	2.71	0.0009	6.35	0.00	0
1GW7	100Y-24H	3.46	2.71	0.0009	0.00	0.00	0
C-100A	100Y-24H	3.95	1.95	0.0000	0.00	0.00	0
EX1S01	100Y-24H	10.30	8.41	0.0053	5.22	5.30	113
EX1S01A	100Y-24H	11.04	8.05	0.0325	13.84	17.74	1265
EX1S01B	100Y-24H	11.21	8.06	0.0473	25.17	16.85	4256
EX1S02	100Y-24H	10.34	8.12	0.0023	3.90	4.10	113
EX1S02A	100Y-24H	11.08	8.05	0.0240	14.31	11.50	4085
EX1S02B	100Y-24H	10.98	8.05	0.0234	14.23	14.16	3963
EX1S03A	100Y-24H	10.98	8.05	0.0218	13.35	13.26	3788
EX1S04A	100Y-24H	10.72	8.05	0.0202	12.60	12.22	4125
EX1S05A	100Y-24H	10.63	8.04	0.0151	7.18	11.07	3353
EX1S06	100Y-24H	10.20	8.06	0.0029	0.66	1.19	113
EX1S07	100Y-24H	10.16	8.05	0.0035	0.87	1.51	113
EX1S08	100Y-24H	10.40	8.06	0.0037	0.85	1.28	113
EX1S09	100Y-24H	10.17	8.05	0.0033	1.17	1.44	113
EX1S10	100Y-24H	10.15	8.05	0.0040	0.91	1.46	113
EX1S11	100Y-24H	10.25	8.05	0.0032	0.73	1.32	113
EX1S12	100Y-24H	10.15	8.05	0.0055	1.31	1.98	113
EX1S13	100Y-24H	10.20	8.05	0.0037	0.85	1.32	113
EX1S14	100Y-24H	10.19	8.05	0.0039	0.88	1.86	113
EX1S15	100Y-24H	10.48	8.05	0.0046	1.04	1.98	113
EX1S16	100Y-24H	10.00	8.05	0.0023	0.83	0.87	113
EX1S17	100Y-24H	9.90	8.04	0.0024	0.84	0.83	113
EX1S18	100Y-24H	8.94	8.05	0.0048	1.19	1.04	113
PR1AS05A	100Y-24H	9.50	8.27	0.0253	6.05	3.96	117
PR1AS05B	100Y-24H	9.30	1.46	0.0000	0.00	0.00	113
PR1S01	100Y-24H	8.70	1.46	0.0000	0.00	0.00	270
PR1S02	100Y-24H	8.40	1.46	0.0000	0.00	0.00	270
PR1S03	100Y-24H	10.30	8.16	0.0024	4.14	4.18	162
PR1S04	100Y-24H	10.48	8.21	0.0015	2.72	2.82	137
PR1S05	100Y-24H	9.93	8.24	0.0160	4.85	5.49	113
SWALE 1W1	100Y-24H	10.00	8.49	0.0004	4.46	3.77	31434
SWALE 1W2	100Y-24H	10.00	8.76	0.0004	4.72	2.53	44182
SWALE 1W3	100Y-24H	10.00	8.18	0.0003	3.52	3.34	30268
SWALE 1W4	100Y-24H	10.00	8.29	0.0009	6.18	6.05	32949
1GW1	100Y-8H	3.46	2.71	0.0005	7.18	0.00	0
1GW2	100Y-8H	3.46	2.71	0.0005	7.29	0.00	0
1GW3	100Y-8H	3.46	2.71	0.0005	2.42	0.00	0
1GW4	100Y-8H	3.46	2.71	0.0005	6.90	0.00	0
1GW5	100Y-8H	3.46	2.71	0.0005	1.85	0.00	0
1GW6	100Y-8H	3.46	2.71	0.0005	7.90	0.00	0
1GW7	100Y-8H	3.46	2.71	0.0005	0.12	0.19	0
C-100A	100Y-8H	3.95	1.95	0.0000	11.17	0.00	0
EX1S01	100Y-8H	10.30	9.63	0.0030	8.84	8.81	100
EX1S01A	100Y-8H	11.04	9.41	0.0146	18.54	16.89	1264
EX1S01B	100Y-8H	11.21	9.41	0.0176	25.37	11.64	4257

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX1S02	100Y-8H	10.34	9.59	0.0025	8.81	8.78	100
EX1S02A	100Y-8H	11.08	9.40	0.0100	23.26	16.87	4085
EX1S02B	100Y-8H	10.98	9.41	0.0062	24.41	22.43	3960
EX1S03A	100Y-8H	10.98	9.41	0.0055	18.78	15.04	3789
EX1S04A	100Y-8H	10.72	9.41	0.0060	14.20	11.98	4126
EX1S05A	100Y-8H	10.63	9.41	0.0062	11.75	10.46	3359
EX1S06	100Y-8H	10.20	9.51	0.0016	1.99	1.96	100
EX1S07	100Y-8H	10.16	9.46	0.0018	1.99	1.97	100
EX1S08	100Y-8H	10.40	9.57	0.0016	2.55	2.54	100
EX1S09	100Y-8H	10.17	9.42	0.0019	1.93	1.15	100
EX1S10	100Y-8H	10.15	9.51	0.0016	2.72	2.70	100
EX1S11	100Y-8H	10.25	9.47	0.0018	2.15	2.13	100
EX1S12	100Y-8H	10.15	9.51	0.0016	3.93	3.91	100
EX1S13	100Y-8H	10.20	9.50	0.0017	2.54	2.52	100
EX1S14	100Y-8H	10.19	9.46	0.0012	2.64	2.63	100
EX1S15	100Y-8H	10.48	9.46	0.0010	3.06	3.04	100
EX1S16	100Y-8H	10.00	9.43	0.0020	2.05	1.20	100
EX1S17	100Y-8H	9.90	9.42	0.0022	2.16	0.88	100
EX1S18	100Y-8H	8.94	9.48	0.0037	3.73	2.36	180
PR1AS05A	100Y-8H	9.50	9.06	0.0058	11.17	11.17	142
PR1AS05B	100Y-8H	9.30	5.45	0.0018	11.17	11.17	259
PR1S01	100Y-8H	8.70	2.72	0.0007	0.89	0.63	1152
PR1S02	100Y-8H	8.40	2.72	0.0007	0.63	0.06	846
PR1S03	100Y-8H	10.30	9.61	0.0029	6.82	6.79	155
PR1S04	100Y-8H	10.48	9.53	0.0015	5.16	5.13	143
PR1S05	100Y-8H	9.93	9.41	0.0036	7.93	9.98	104
SWALE 1W1	100Y-8H	10.00	9.63	0.0003	20.57	7.84	39207
SWALE 1W2	100Y-8H	10.00	9.19	0.0003	17.34	5.08	47483
SWALE 1W3	100Y-8H	10.00	9.64	0.0002	21.13	7.45	34621
SWALE 1W4	100Y-8H	10.00	9.32	0.0010	22.08	8.29	38320
1GW1	10Y-1H	3.46	1.46	0.0000	6.35	0.00	0
1GW2	10Y-1H	3.46	1.46	0.0000	6.45	0.00	0
1GW3	10Y-1H	3.46	1.46	0.0000	2.14	0.00	0
1GW4	10Y-1H	3.46	1.46	0.0000	6.10	0.00	0
1GW5	10Y-1H	3.46	1.46	0.0000	1.64	0.00	0
1GW6	10Y-1H	3.46	1.46	0.0000	6.98	0.00	0
1GW7	10Y-1H	3.46	1.46	0.0000	0.00	0.00	0
C-100A	10Y-1H	3.95	1.95	0.0000	0.00	0.00	0
EX1S01	10Y-1H	10.30	8.35	0.0063	9.07	15.11	100
EX1S01A	10Y-1H	11.04	8.28	0.0184	23.70	15.57	1262
EX1S01B	10Y-1H	11.21	8.28	0.0228	33.88	12.24	4258
EX1S02	10Y-1H	10.34	8.33	0.0129	8.90	21.43	111
EX1S02A	10Y-1H	11.08	8.28	0.0185	33.25	21.95	4050
EX1S02B	10Y-1H	10.98	8.29	0.0120	34.60	30.95	3961
EX1S03A	10Y-1H	10.98	8.29	0.0126	29.59	20.25	3784
EX1S04A	10Y-1H	10.72	8.28	0.0072	21.15	18.40	4123
EX1S05A	10Y-1H	10.63	8.28	0.0071	18.95	14.73	3376

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX1S06	10Y-1H	10.20	8.36	0.0024	2.64	2.98	100
EX1S07	10Y-1H	10.16	8.33	0.0026	2.64	2.98	100
EX1S08	10Y-1H	10.40	8.42	0.0024	3.40	3.97	100
EX1S09	10Y-1H	10.17	8.29	0.0028	2.83	1.64	100
EX1S10	10Y-1H	10.15	8.36	0.0026	3.61	4.22	100
EX1S11	10Y-1H	10.25	8.32	0.0028	2.82	2.46	100
EX1S12	10Y-1H	10.15	8.36	0.0025	5.07	5.97	100
EX1S13	10Y-1H	10.20	8.34	0.0028	2.91	3.42	100
EX1S14	10Y-1H	10.19	8.32	0.0018	3.50	3.89	100
EX1S15	10Y-1H	10.48	8.31	0.0017	2.88	3.48	100
EX1S16	10Y-1H	10.00	8.30	0.0030	3.01	1.84	100
EX1S17	10Y-1H	9.90	8.29	0.0031	3.15	1.35	100
EX1S18	10Y-1H	8.94	8.35	0.0049	4.92	2.92	100
PR1AS05A	10Y-1H	9.50	7.96	0.0058	6.97	7.00	117
PR1AS05B	10Y-1H	9.30	1.46	0.0000	0.00	0.00	100
PR1S01	10Y-1H	8.70	1.46	0.0000	0.00	0.00	270
PR1S02	10Y-1H	8.40	1.46	0.0000	0.00	0.00	270
PR1S03	10Y-1H	10.30	8.41	0.0032	8.53	9.80	168
PR1S04	10Y-1H	10.48	8.29	0.0044	5.83	10.67	192
PR1S05	10Y-1H	9.93	8.25	0.0069	11.98	13.63	104
SWALE 1W1	10Y-1H	10.00	8.04	0.0002	12.15	0.97	24643
SWALE 1W2	10Y-1H	10.00	7.28	0.0003	9.63	0.00	25865
SWALE 1W3	10Y-1H	10.00	7.87	0.0002	11.96	1.49	27433
SWALE 1W4	10Y-1H	10.00	7.97	0.0010	18.62	8.36	30401
1GW1	10Y-24H	3.46	2.71	0.0009	4.13	0.00	0
1GW2	10Y-24H	3.46	2.71	0.0009	4.19	0.00	0
1GW3	10Y-24H	3.46	2.71	0.0009	1.39	0.00	0
1GW4	10Y-24H	3.46	2.71	0.0009	3.97	0.00	0
1GW5	10Y-24H	3.46	2.71	0.0009	1.07	0.00	0
1GW6	10Y-24H	3.46	2.71	0.0009	4.55	0.00	0
1GW7	10Y-24H	3.46	2.71	0.0009	0.00	0.00	0
C-100A	10Y-24H	3.95	1.95	0.0000	0.00	0.00	0
EX1S01	10Y-24H	10.30	6.71	0.0012	3.33	4.31	113
EX1S01A	10Y-24H	11.04	6.53	0.0025	5.42	9.47	1265
EX1S01B	10Y-24H	11.21	6.53	0.0032	10.74	4.16	4256
EX1S02	10Y-24H	10.34	6.83	0.0010	2.48	3.27	113
EX1S02A	10Y-24H	11.08	6.53	0.0034	8.16	6.67	4085
EX1S02B	10Y-24H	10.98	6.53	0.0041	9.06	9.86	3963
EX1S03A	10Y-24H	10.98	6.53	0.0025	8.95	7.15	3788
EX1S04A	10Y-24H	10.72	6.53	0.0031	6.47	7.38	4125
EX1S05A	10Y-24H	10.63	6.54	0.0015	5.82	6.89	3353
EX1S06	10Y-24H	10.20	6.53	0.0010	0.44	0.56	113
EX1S07	10Y-24H	10.16	6.53	0.0010	0.44	0.58	113
EX1S08	10Y-24H	10.40	6.53	0.0010	0.56	0.71	113
EX1S09	10Y-24H	10.17	6.53	0.0007	0.40	0.46	113
EX1S10	10Y-24H	10.15	6.53	0.0010	0.60	0.81	113
EX1S11	10Y-24H	10.25	6.53	0.0010	0.46	0.59	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX1S12	10Y-24H	10.15	6.54	0.0010	0.86	1.17	113
EX1S13	10Y-24H	10.20	6.54	0.0010	0.56	0.70	113
EX1S14	10Y-24H	10.19	6.54	0.0010	0.58	0.74	113
EX1S15	10Y-24H	10.48	6.62	0.0010	0.66	0.84	113
EX1S16	10Y-24H	10.00	6.54	0.0007	0.42	0.40	113
EX1S17	10Y-24H	9.90	6.54	0.0009	0.43	0.34	113
EX1S18	10Y-24H	8.94	6.54	0.0010	1.01	0.57	113
PR1AS05A	10Y-24H	9.50	6.89	0.0051	6.05	3.62	117
PR1AS05B	10Y-24H	9.30	1.46	0.0000	0.00	0.00	113
PR1S01	10Y-24H	8.70	1.46	0.0000	0.00	0.00	270
PR1S02	10Y-24H	8.40	1.46	0.0000	0.00	0.00	270
PR1S03	10Y-24H	10.30	6.60	0.0010	2.31	2.31	161
PR1S04	10Y-24H	10.48	6.57	0.0010	1.12	1.52	113
PR1S05	10Y-24H	9.93	6.77	0.0032	4.43	5.63	113
SWALE 1W1	10Y-24H	10.00	8.22	0.0002	2.68	1.85	27369
SWALE 1W2	10Y-24H	10.00	8.48	0.0002	2.79	1.08	40553
SWALE 1W3	10Y-24H	10.00	7.92	0.0002	2.10	1.53	28312
SWALE 1W4	10Y-24H	10.00	7.00	0.0010	3.06	6.05	10585
1GW1	10Y-8H	3.46	2.71	0.0007	6.11	0.00	0
1GW2	10Y-8H	3.46	2.71	0.0007	6.20	0.00	0
1GW3	10Y-8H	3.46	2.71	0.0007	2.06	0.00	0
1GW4	10Y-8H	3.46	2.71	0.0007	5.87	0.00	0
1GW5	10Y-8H	3.46	2.71	0.0007	1.58	0.00	0
1GW6	10Y-8H	3.46	2.71	0.0007	6.72	0.00	0
1GW7	10Y-8H	3.46	2.71	0.0007	0.00	0.00	0
C-100A	10Y-8H	3.95	1.95	0.0000	0.00	0.00	0
EX1S01	10Y-8H	10.30	8.63	0.0034	6.05	8.66	100
EX1S01A	10Y-8H	11.04	8.43	0.0136	16.68	14.40	1266
EX1S01B	10Y-8H	11.21	8.43	0.0157	25.54	7.76	4257
EX1S02	10Y-8H	10.34	8.53	0.0022	6.01	7.48	100
EX1S02A	10Y-8H	11.08	8.43	0.0096	22.43	16.43	4084
EX1S02B	10Y-8H	10.98	8.43	0.0057	23.40	21.69	3961
EX1S03A	10Y-8H	10.98	8.43	0.0055	18.05	14.73	3789
EX1S04A	10Y-8H	10.72	8.43	0.0059	13.80	11.72	4124
EX1S05A	10Y-8H	10.63	8.44	0.0058	12.98	10.32	3357
EX1S06	10Y-8H	10.20	8.48	0.0015	1.53	1.76	100
EX1S07	10Y-8H	10.16	8.45	0.0016	1.65	1.76	100
EX1S08	10Y-8H	10.40	8.51	0.0015	1.81	2.27	100
EX1S09	10Y-8H	10.17	8.43	0.0018	1.78	0.98	100
EX1S10	10Y-8H	10.15	8.48	0.0015	1.92	2.41	100
EX1S11	10Y-8H	10.25	8.46	0.0017	1.74	1.65	100
EX1S12	10Y-8H	10.15	8.48	0.0015	2.77	3.49	100
EX1S13	10Y-8H	10.20	8.48	0.0016	1.77	2.17	100
EX1S14	10Y-8H	10.19	8.46	0.0010	1.86	2.37	100
EX1S15	10Y-8H	10.48	8.46	0.0010	2.06	2.42	100
EX1S16	10Y-8H	10.00	8.44	0.0019	1.89	1.08	100
EX1S17	10Y-8H	9.90	8.44	0.0020	2.02	0.74	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX1S18	10Y-8H	8.94	8.48	0.0035	3.55	1.66	100
PR1AS05A	10Y-8H	9.50	8.66	0.0058	6.12	5.82	117
PR1AS05B	10Y-8H	9.30	1.46	0.0000	0.00	0.00	100
PR1S01	10Y-8H	8.70	1.46	0.0000	0.00	0.00	270
PR1S02	10Y-8H	8.40	1.46	0.0000	0.00	0.00	270
PR1S03	10Y-8H	10.30	8.55	0.0028	4.84	5.80	152
PR1S04	10Y-8H	10.48	8.59	0.0014	3.55	4.57	142
PR1S05	10Y-8H	9.93	8.62	0.0036	7.89	10.24	103
SWALE 1W1	10Y-8H	10.00	8.64	0.0002	11.96	4.80	33754
SWALE 1W2	10Y-8H	10.00	8.37	0.0003	9.00	0.63	38963
SWALE 1W3	10Y-8H	10.00	8.56	0.0002	13.01	6.03	31364
SWALE 1W4	10Y-8H	10.00	8.69	0.0010	16.67	7.60	35719
1GW1	25Y-72H	3.46	2.71	0.0006	7.54	0.00	0
1GW2	25Y-72H	3.46	2.71	0.0006	7.65	0.00	0
1GW3	25Y-72H	3.46	2.71	0.0006	2.54	0.00	0
1GW4	25Y-72H	3.46	2.71	0.0006	7.24	0.00	0
1GW5	25Y-72H	3.46	2.71	0.0006	1.94	0.00	0
1GW6	25Y-72H	3.46	2.71	0.0006	8.28	0.00	0
1GW7	25Y-72H	3.46	2.71	0.0006	0.48	0.19	0
C-100A	25Y-72H	3.95	1.95	0.0000	12.35	0.00	0
EX1S01	25Y-72H	10.30	10.10	0.0028	12.82	12.75	113
EX1S01A	25Y-72H	11.04	9.75	0.0088	10.95	20.08	1263
EX1S01B	25Y-72H	11.21	9.75	0.0096	22.65	12.56	4291
EX1S02	25Y-72H	10.34	9.90	0.0020	12.80	12.73	113
EX1S02A	25Y-72H	11.08	9.75	0.0046	14.94	13.50	4085
EX1S02B	25Y-72H	10.98	9.75	0.0039	16.50	15.65	3963
EX1S03A	25Y-72H	10.98	9.75	0.0041	13.46	14.07	3788
EX1S04A	25Y-72H	10.72	9.75	0.0038	15.07	12.42	4125
EX1S05A	25Y-72H	10.63	9.74	0.0029	8.20	8.10	3354
EX1S06	25Y-72H	10.20	9.96	0.0013	2.82	2.77	113
EX1S07	25Y-72H	10.16	9.86	0.0013	2.82	2.78	113
EX1S08	25Y-72H	10.40	10.10	0.0012	3.62	3.57	113
EX1S09	25Y-72H	10.17	9.78	0.0013	1.55	1.54	113
EX1S10	25Y-72H	10.15	9.96	0.0013	3.85	3.80	113
EX1S11	25Y-72H	10.25	9.90	0.0013	3.16	3.11	113
EX1S12	25Y-72H	10.15	9.97	0.0013	5.57	5.52	113
EX1S13	25Y-72H	10.20	9.94	0.0012	3.64	3.60	113
EX1S14	25Y-72H	10.19	9.85	0.0010	3.74	3.70	113
EX1S15	25Y-72H	10.48	9.87	0.0010	4.50	4.46	113
EX1S16	25Y-72H	10.00	9.79	0.0013	1.72	1.69	113
EX1S17	25Y-72H	9.90	9.77	0.0015	1.65	1.24	113
EX1S18	25Y-72H	8.94	9.67	0.0024	5.40	5.40	180
PR1AS05A	25Y-72H	9.50	9.08	0.0051	11.91	11.91	142
PR1AS05B	25Y-72H	9.30	5.50	0.0019	11.91	11.91	259
PR1S01	25Y-72H	8.70	3.83	0.0010	2.76	2.23	1285
PR1S02	25Y-72H	8.40	3.83	0.0010	2.14	0.24	945
PR1S03	25Y-72H	10.30	9.80	0.0018	9.69	9.68	163

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR1S04	25Y-72H	10.48	9.92	0.0011	7.46	7.39	146
PR1S05	25Y-72H	9.93	9.74	0.0032	9.42	9.48	113
SWALE 1W1	25Y-72H	10.00	9.87	0.0002	32.70	8.62	39207
SWALE 1W2	25Y-72H	10.00	9.58	0.0002	26.10	6.35	47483
SWALE 1W3	25Y-72H	10.00	9.83	0.0002	33.02	8.17	35204
SWALE 1W4	25Y-72H	10.00	9.32	0.0010	34.56	7.20	38315

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C-100A_WEIR	100Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
EX1S01A_1GW1	100Y-1H	3.98	0.00	0.02	0.00	0.00	0.00
EX1S01A_S01B	100Y-1H	20.23	-13.59	-16.12	0.96	0.96	0.96
EX1S01B_1GW1	100Y-1H	3.98	0.00	0.02	0.00	0.00	0.00
EX1S01B_1GW2	100Y-1H	4.04	0.00	0.02	0.00	0.00	0.00
EX1S01B_S02A	100Y-1H	4.01	-23.98	-7.13	-1.14	-1.14	-1.14
EX1S01_S01A	100Y-1H	16.04	0.00	3.14	13.07	13.39	13.23
EX1S01_SWALE1W1	100Y-1H	12.66	-4.19	3.16	10.32	10.57	10.44
EX1S02A_1GW2	100Y-1H	4.04	0.00	0.02	0.00	0.00	0.00
EX1S02A_1GW3	100Y-1H	1.34	0.00	0.01	0.00	0.00	0.00
EX1S02A_S02B	100Y-1H	0.14	-43.03	-8.71	-2.05	-2.05	-2.05
EX1S02B_1GW3	100Y-1H	1.34	0.00	0.01	0.00	0.00	0.00
EX1S02B_1GW4	100Y-1H	3.82	0.00	0.02	0.00	0.00	0.00
EX1S02B_S03A	100Y-1H	2.29	-22.58	-5.24	-1.08	-1.08	-1.08
EX1S02_S02B	100Y-1H	23.34	0.00	12.21	13.21	22.51	16.21
EX1S02_SWALE1W3	100Y-1H	11.08	-3.95	-0.23	6.27	6.93	6.59
EX1S03A_1GW4	100Y-1H	3.82	0.00	0.01	0.00	0.00	0.00
EX1S03A_1GW5	100Y-1H	1.03	0.00	0.00	0.00	0.00	0.00
EX1S03A_S04A	100Y-1H	8.33	-20.77	-9.04	-0.99	-0.99	-0.99
EX1S04A_1GW5	100Y-1H	1.02	0.00	0.00	0.00	0.00	0.00
EX1S04A_1GW6	100Y-1H	4.37	0.00	0.01	0.00	0.00	0.00
EX1S04A_S01	100Y-1H	2.99	0.00	0.03	4.01	8.55	6.28
EX1S04A_S05A	100Y-1H	7.29	-15.19	3.84	-0.72	-0.72	-0.72
EX1S05A_1GW6	100Y-1H	4.37	0.00	0.01	0.00	0.00	0.00
EX1S06_S01A	100Y-1H	5.51	-0.88	0.86	5.50	7.28	5.97
EX1S07_S01A	100Y-1H	5.51	-1.26	0.86	5.50	10.05	7.37

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX1S08_S01B	100Y-1H	6.41	0.00	1.34	5.60	7.78	6.50
EX1S09_S01B	100Y-1H	2.89	-3.24	-0.76	4.21	8.50	6.14
EX1S10_S02A	100Y-1H	8.46	0.00	2.90	7.23	11.01	8.19
EX1S11_S02B	100Y-1H	4.81	-2.02	1.29	5.15	9.72	7.08
EX1S12_S02B	100Y-1H	11.50	0.00	3.65	7.11	10.94	8.27
EX1S13_S03A	100Y-1H	6.87	-0.78	2.13	6.24	10.55	7.77
EX1S14_S03A	100Y-1H	7.22	0.00	1.93	5.52	11.34	8.07
EX1S15_S04A	100Y-1H	6.86	-0.01	1.57	5.40	12.89	8.79
EX1S16_S05A	100Y-1H	3.20	-3.22	0.78	4.37	8.77	6.34
EX1S17_S05A	100Y-1H	2.35	-3.97	-0.58	3.93	7.99	5.76
EX1S18_S05A	100Y-1H	4.24	-3.03	-0.54	4.06	3.82	3.73
EX1S18_WEIR	100Y-1H	6.26	0.00	0.02	1.60	1.60	1.60
PR1AS05A_WEIR	100Y-1H	3.12	0.00	0.00	1.13	1.13	1.13
PR1AS05B_C-100A	100Y-1H	3.11	0.00	0.03	3.78	2.11	2.95
PR1S01_1GW7	100Y-1H	0.17	0.00	0.00	0.00	0.00	0.00
PR1S01_S02	100Y-1H	1.13	0.00	0.00	1.01	2.69	1.85
PR1S02_1GW7	100Y-1H	0.15	0.00	0.00	0.00	0.00	0.00
PR1S03_S03A	100Y-1H	15.18	0.00	-1.42	8.59	8.83	8.71
PR1S04_S04A	100Y-1H	11.37	0.00	2.21	9.26	9.50	9.38
PR1S04_SWALE1W4	100Y-1H	6.08	-3.44	0.10	4.95	4.95	4.95
PR1S05_AS05A	100Y-1H	10.59	-7.93	-0.29	5.99	5.99	5.99
PR1S05_S05A	100Y-1H	14.25	-0.46	-4.15	11.61	17.06	12.61
SWALE1W1_S01B	100Y-1H	4.77	-5.52	-0.84	5.13	-5.50	-5.00
SWALE1W2_S02A	100Y-1H	0.01	-5.58	0.01	-4.55	-5.53	-5.04
SWALE1W3_S03	100Y-1H	6.66	-10.23	-1.24	-5.79	7.33	-6.19
SWALE1W4_S05A	100Y-1H	7.90	-10.46	-1.31	-5.92	14.03	9.34
C-100A_WEIR	100Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX1S01A_1GW1	100Y-24H	2.90	0.00	0.02	0.00	0.00	0.00
EX1S01A_S01B	100Y-24H	16.65	-11.63	-16.65	0.79	0.79	0.79
EX1S01B_1GW1	100Y-24H	2.90	0.00	0.03	0.00	0.00	0.00
EX1S01B_1GW2	100Y-24H	2.94	0.00	0.03	0.00	0.00	0.00
EX1S01B_S02	100Y-24H	5.07	-8.29	8.29	-0.39	-0.39	-0.39

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
A							
EX1S01_S01A	100Y-24H	5.30	0.00	1.21	4.80	6.89	5.02
EX1S01_SWALE1W1	100Y-24H	0.00	-2.44	0.00	-1.98	-3.90	-2.89
EX1S02A_1GW2	100Y-24H	2.94	0.00	-0.01	0.00	0.00	0.00
EX1S02A_1GW3	100Y-24H	0.98	0.00	0.00	0.00	0.00	0.00
EX1S02A_S02B	100Y-24H	5.70	-11.10	-11.10	-0.53	-0.53	-0.53
EX1S02B_1GW3	100Y-24H	0.98	0.00	0.00	0.00	0.00	0.00
EX1S02B_1GW4	100Y-24H	2.78	0.00	0.01	0.00	0.00	0.00
EX1S02B_S03A	100Y-24H	5.44	-8.46	-8.46	-0.40	-0.40	-0.40
EX1S02_S02B	100Y-24H	4.10	0.00	1.03	4.21	7.41	5.19
EX1S02_SWALE1W3	100Y-24H	0.00	-1.37	0.01	-0.93	-2.89	-1.82
EX1S03A_1GW4	100Y-24H	2.78	0.00	0.01	0.00	0.00	0.00
EX1S03A_1GW5	100Y-24H	0.74	0.00	0.00	0.00	0.00	0.00
EX1S03A_S04A	100Y-24H	7.90	-9.19	9.19	-0.44	-0.44	-0.44
EX1S04A_1GW5	100Y-24H	0.75	0.00	0.00	0.00	0.00	0.00
EX1S04A_1GW6	100Y-24H	3.18	0.00	-0.01	0.00	0.00	0.00
EX1S04A_S01	100Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX1S04A_S05A	100Y-24H	2.88	-8.53	-8.52	-0.41	-0.41	-0.41
EX1S05A_1GW6	100Y-24H	3.18	0.00	0.01	0.00	0.00	0.00
EX1S06_S01A	100Y-24H	1.19	-0.35	1.19	2.51	3.36	2.73
EX1S07_S01A	100Y-24H	1.51	-0.58	1.51	2.51	4.57	3.34
EX1S08_S01B	100Y-24H	1.28	-0.27	1.19	2.70	3.63	2.94
EX1S09_S01B	100Y-24H	1.44	-0.92	1.44	2.29	1.18	1.68
EX1S10_S02A	100Y-24H	1.46	-0.44	1.46	2.73	5.05	3.67
EX1S11_S02B	100Y-24H	1.32	-0.48	1.32	2.54	4.41	3.22
EX1S12_S02B	100Y-24H	1.98	-0.55	1.97	2.99	5.03	3.74
EX1S13_S03A	100Y-24H	1.32	-0.24	1.32	2.68	4.85	3.53
EX1S14_S03A	100Y-24H	1.86	-0.33	1.86	2.79	5.13	3.66
EX1S15_S04A	100Y-24H	1.98	-0.34	-1.98	3.43	5.84	4.00
EX1S16_S05A	100Y-24H	0.87	-0.67	0.87	2.19	1.10	1.47
EX1S17_S05A	100Y-24H	0.83	-0.71	-0.83	2.02	-1.20	1.36
EX1S18_S05A	100Y-24H	1.04	-0.72	1.04	1.52	0.85	1.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX1S18_WEIR	100Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
PR1AS05A_WEIR	100Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
PR1AS05B_C-100A	100Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
PR1S01_1GW7	100Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
PR1S01_S02	100Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
PR1S02_1GW7	100Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
PR1S03_S03A	100Y-24H	4.18	0.00	-0.49	3.80	3.95	3.38
PR1S04_S04A	100Y-24H	2.82	0.00	0.41	3.60	4.84	3.74
PR1S04_SWALE1W4	100Y-24H	0.54	-1.77	0.03	-1.44	-3.42	-2.33
PR1S05_AS05A	100Y-24H	0.85	-3.96	-0.08	-2.24	-4.27	-3.16
PR1S05_S05A	100Y-24H	5.49	0.00	-1.67	5.48	10.45	7.58
SWALE1W1_S01B	100Y-24H	1.53	0.00	-0.40	3.56	1.25	2.34
SWALE1W2_S02A	100Y-24H	2.53	0.00	0.67	4.26	6.97	4.79
SWALE1W3_S03	100Y-24H	1.99	0.00	0.49	3.51	5.21	3.79
SWALE1W4_S05A	100Y-24H	6.05	-0.82	2.32	5.13	14.03	9.34
C-100A_WEIR	100Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
EX1S01A_1GW1	100Y-8H	3.59	0.00	0.01	0.00	0.00	0.00
EX1S01A_S01B	100Y-8H	13.29	-6.32	-13.30	0.63	0.63	0.63
EX1S01B_1GW1	100Y-8H	3.59	0.00	0.01	0.00	0.00	0.00
EX1S01B_1GW2	100Y-8H	3.65	0.00	0.01	0.00	0.00	0.00
EX1S01B_S02A	100Y-8H	4.69	-15.06	4.84	-0.72	-0.72	-0.72
EX1S01_S01A	100Y-8H	8.72	0.00	-1.82	7.31	10.69	8.08
EX1S01_SWALE1W1	100Y-8H	5.91	-3.07	0.03	5.57	5.17	5.37
EX1S02A_1GW2	100Y-8H	3.65	0.00	0.00	0.00	0.00	0.00
EX1S02A_1GW3	100Y-8H	1.21	0.00	0.00	0.00	0.00	0.00
EX1S02A_S02B	100Y-8H	2.70	-20.71	8.64	-0.99	-0.99	-0.99
EX1S02B_1G	100Y-8H	1.21	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W3							
EX1S02B_1GW4	100Y-8H	3.45	0.00	0.00	0.00	0.00	0.00
EX1S02B_S03A	100Y-8H	5.00	-13.42	5.26	-0.64	-0.64	-0.64
EX1S02_S02B	100Y-8H	8.27	0.00	1.28	5.88	12.14	8.58
EX1S02_SWALE1W3	100Y-8H	6.58	-3.95	-0.25	4.15	4.36	4.16
EX1S03A_1GW4	100Y-8H	3.45	0.00	0.00	0.00	0.00	0.00
EX1S03A_1GW5	100Y-8H	0.93	0.00	0.00	0.00	0.00	0.00
EX1S03A_S04A	100Y-8H	8.42	-10.19	-8.52	-0.49	-0.49	-0.49
EX1S04A_1GW5	100Y-8H	0.93	0.00	0.00	0.00	0.00	0.00
EX1S04A_1GW6	100Y-8H	3.95	0.00	0.00	0.00	0.00	0.00
EX1S04A_S01	100Y-8H	0.87	0.00	0.03	2.81	5.94	4.37
EX1S04A_S05A	100Y-8H	4.86	-9.01	4.34	-0.43	-0.43	-0.43
EX1S05A_1GW6	100Y-8H	3.95	0.00	0.00	0.00	0.00	0.00
EX1S06_S01A	100Y-8H	1.96	-0.24	0.32	3.65	4.47	3.60
EX1S07_S01A	100Y-8H	1.97	-0.38	0.48	3.65	6.10	4.41
EX1S08_S01B	100Y-8H	2.54	0.00	-0.34	3.96	4.82	3.87
EX1S09_S01B	100Y-8H	1.15	-1.16	-0.56	3.06	5.12	3.71
EX1S10_S02A	100Y-8H	2.70	0.00	0.50	4.04	6.75	4.86
EX1S11_S02B	100Y-8H	2.13	-0.53	0.42	3.59	5.67	4.10
EX1S12_S02B	100Y-8H	3.91	0.00	-0.63	4.30	6.72	4.94
EX1S13_S03A	100Y-8H	2.52	-0.06	-0.50	3.89	6.39	4.61
EX1S14_S03A	100Y-8H	2.63	0.00	0.69	3.82	6.86	4.85
EX1S15_S04A	100Y-8H	3.04	0.00	0.74	3.88	7.56	5.14
EX1S16_S05A	100Y-8H	1.20	-1.19	0.36	3.14	5.28	3.83
EX1S17_S05A	100Y-8H	0.88	-1.53	0.36	2.87	4.81	3.49
EX1S18_S05A	100Y-8H	2.33	-2.06	-0.30	2.29	1.90	1.90
EX1S18_WEIR	100Y-8H	0.34	0.00	0.00	0.00	0.00	0.00
PR1AS05A_WEIR	100Y-8H	11.17	0.00	0.00	1.73	1.73	1.73
PR1AS05B_C-100A	100Y-8H	11.17	0.00	0.07	5.68	10.52	8.10
PR1S01_1GW7	100Y-8H	0.06	-0.11	-0.08	0.00	0.00	0.00
PR1S01_S02	100Y-8H	0.59	0.00	-0.01	0.78	2.26	1.52
PR1S02_1GW7	100Y-8H	0.06	-0.12	-0.09	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR1S03_S03A	100Y-8H	5.34	0.00	0.57	4.59	5.21	4.46
PR1S04_S04A	100Y-8H	4.90	-0.16	1.50	5.19	6.32	4.87
PR1S04_SWALE1W4	100Y-8H	3.89	-2.69	0.01	3.47	-3.94	3.21
PR1S05_AS05A	100Y-8H	6.60	-6.86	-0.08	-3.88	-5.07	-4.41
PR1S05_S05A	100Y-8H	9.98	-1.66	4.28	8.44	17.66	13.05
SWALE1W1_S01B	100Y-8H	4.83	-2.65	-0.52	4.66	3.94	3.94
SWALE1W2_S02A	100Y-8H	5.08	-4.03	0.85	5.28	13.10	9.01
SWALE1W3_S03	100Y-8H	4.14	-5.85	-0.56	4.46	5.78	4.19
SWALE1W4_S05A	100Y-8H	7.13	-6.51	2.33	5.15	14.03	9.34
C-100A_WEIR	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
EX1S01A_1GW1	10Y-1H	3.18	0.00	0.01	0.00	0.00	0.00
EX1S01A_S01B	10Y-1H	14.48	-9.33	9.33	0.78	0.78	0.78
EX1S01B_1GW1	10Y-1H	3.18	0.00	0.01	0.00	0.00	0.00
EX1S01B_1GW2	10Y-1H	3.22	0.00	0.01	0.00	0.00	0.00
EX1S01B_S02A	10Y-1H	4.04	-19.96	-4.52	-0.95	-0.95	-0.95
EX1S01_S01A	10Y-1H	14.82	0.00	3.12	12.08	16.22	12.25
EX1S01_SWALE1W1	10Y-1H	4.36	-0.96	1.13	5.40	8.38	6.89
EX1S02A_1GW2	10Y-1H	3.23	0.00	0.01	0.00	0.00	0.00
EX1S02A_1GW3	10Y-1H	1.07	0.00	0.00	0.00	0.00	0.00
EX1S02A_S02B	10Y-1H	0.12	-29.06	7.27	-1.38	-1.38	-1.38
EX1S02B_1GW3	10Y-1H	1.07	0.00	0.00	0.00	0.00	0.00
EX1S02B_1GW4	10Y-1H	3.05	0.00	0.01	0.00	0.00	0.00
EX1S02B_S03A	10Y-1H	0.56	-18.48	4.69	-0.88	-0.88	-0.88
EX1S02_S02B	10Y-1H	21.41	0.00	-12.12	12.41	14.81	12.41
EX1S02_SWALE1W3	10Y-1H	3.64	-0.51	-0.21	3.79	4.27	3.94
EX1S03A_1GW4	10Y-1H	3.05	0.00	0.01	0.00	0.00	0.00
EX1S03A_1G	10Y-1H	0.82	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W5							
EX1S03A_S04A	10Y-1H	7.85	-16.46	-8.38	-0.78	-0.78	-0.78
EX1S04A_1GW5	10Y-1H	0.82	0.00	0.00	0.00	0.00	0.00
EX1S04A_1GW6	10Y-1H	3.49	0.00	0.01	0.00	0.00	0.00
EX1S04A_S01	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
EX1S04A_S05A	10Y-1H	3.37	-13.15	4.10	-0.63	-0.63	-0.63
EX1S05A_1GW6	10Y-1H	3.49	0.00	0.01	0.00	0.00	0.00
EX1S06_S01A	10Y-1H	2.98	-0.33	0.41	4.26	6.59	5.34
EX1S07_S01A	10Y-1H	2.98	-0.52	0.41	4.26	9.05	6.56
EX1S08_S01B	10Y-1H	3.97	0.00	0.60	4.74	7.06	5.76
EX1S09_S01B	10Y-1H	1.64	-1.67	-0.49	3.51	7.65	5.52
EX1S10_S02A	10Y-1H	4.22	0.00	0.64	4.87	9.93	7.25
EX1S11_S02B	10Y-1H	2.46	-1.05	0.35	3.99	8.40	6.07
EX1S12_S02B	10Y-1H	5.97	0.00	0.91	5.10	9.84	7.32
EX1S13_S03A	10Y-1H	3.42	-0.43	0.47	4.48	9.35	6.78
EX1S14_S03A	10Y-1H	3.89	0.00	0.95	4.37	10.18	7.20
EX1S15_S04A	10Y-1H	3.48	0.00	-0.79	4.21	11.12	7.55
EX1S16_S05A	10Y-1H	1.84	-1.72	-0.36	3.63	7.89	5.69
EX1S17_S05A	10Y-1H	1.35	-2.20	-0.35	3.31	7.21	5.19
EX1S18_S05A	10Y-1H	2.92	-2.36	-0.33	3.80	3.56	3.55
EX1S18_WEIR	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
PR1AS05A_WEIR	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
PR1AS05B_C-100A	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
PR1S01_1GW7	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
PR1S01_S02	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
PR1S02_1GW7	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
PR1S03_S03A	10Y-1H	9.80	0.00	1.79	6.82	8.48	7.62
PR1S04_S04A	10Y-1H	10.67	0.00	2.43	8.69	12.90	10.38
PR1S04_SWALE1W4	10Y-1H	3.50	-1.75	0.05	2.87	-3.56	2.86
PR1S05_AS05A	10Y-1H	6.07	-7.00	-0.69	-3.96	-5.09	-4.50
PR1S05_S05A	10Y-1H	13.56	-1.27	-4.06	11.05	18.83	13.92
SWALE1W1_S01B	10Y-1H	0.01	-0.28	-0.01	-0.22	-2.13	-1.18
SWALE1W2_S02A	10Y-1H	0.00	-0.28	-0.01	-0.23	-2.14	-1.18

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
SWALE1W3_S03	10Y-1H	0.99	-2.59	-0.14	3.18	5.47	3.98
SWALE1W4_S05A	10Y-1H	6.97	-5.99	1.22	5.15	14.03	9.34
C-100A_WEIR	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX1S01A_1GW1	10Y-24H	2.06	0.00	0.00	0.00	0.00	0.00
EX1S01A_S01B	10Y-24H	7.87	-0.60	-7.87	0.37	0.37	0.37
EX1S01B_1GW1	10Y-24H	2.06	0.00	0.00	0.00	0.00	0.00
EX1S01B_1GW2	10Y-24H	2.10	0.00	0.00	0.00	0.00	0.00
EX1S01B_S02A	10Y-24H	0.16	-4.14	-4.07	-0.20	-0.20	-0.20
EX1S01_S01A	10Y-24H	4.31	0.00	0.66	4.91	7.02	5.12
EX1S01_SWALE1W1	10Y-24H	0.00	-1.60	0.00	-1.31	-3.48	-2.40
EX1S02A_1GW2	10Y-24H	2.10	0.00	0.00	0.00	0.00	0.00
EX1S02A_1GW3	10Y-24H	0.70	0.00	0.00	0.00	0.00	0.00
EX1S02A_S02B	10Y-24H	0.13	-7.60	-7.23	-0.36	-0.36	-0.36
EX1S02B_1GW3	10Y-24H	0.70	0.00	0.00	0.00	0.00	0.00
EX1S02B_1GW4	10Y-24H	1.98	0.00	0.00	0.00	0.00	0.00
EX1S02B_S03A	10Y-24H	0.10	-5.13	-4.60	-0.24	-0.24	-0.24
EX1S02_S02B	10Y-24H	3.27	0.00	-0.46	4.45	7.46	5.22
EX1S02_SWALE1W3	10Y-24H	0.00	-0.63	0.00	-0.55	-2.57	-1.56
EX1S03A_1GW4	10Y-24H	1.98	0.00	0.00	0.00	0.00	0.00
EX1S03A_1GW5	10Y-24H	0.53	0.00	0.00	0.00	0.00	0.00
EX1S03A_S04A	10Y-24H	0.20	-5.64	-4.95	-0.27	-0.27	-0.27
EX1S04A_1GW5	10Y-24H	0.53	0.00	0.00	0.00	0.00	0.00
EX1S04A_1GW6	10Y-24H	2.27	0.00	0.00	0.00	0.00	0.00
EX1S04A_S01	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX1S04A_S05A	10Y-24H	0.03	-4.76	-4.34	-0.26	-0.26	-0.26
EX1S05A_1G	10Y-24H	2.27	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W6							
EX1S06_S01A	10Y-24H	0.56	0.00	0.28	2.57	3.34	2.72
EX1S07_S01A	10Y-24H	0.58	0.00	0.44	2.57	4.56	3.32
EX1S08_S01B	10Y-24H	0.71	0.00	-0.25	2.75	3.61	2.92
EX1S09_S01B	10Y-24H	0.46	-0.16	0.37	2.18	1.06	1.42
EX1S10_S02A	10Y-24H	0.81	0.00	0.42	2.86	5.04	3.66
EX1S11_S02B	10Y-24H	0.59	0.00	-0.47	2.60	4.44	3.24
EX1S12_S02B	10Y-24H	1.17	0.00	-0.72	3.05	5.02	3.73
EX1S13_S03A	10Y-24H	0.70	0.00	-0.41	2.74	4.86	3.53
EX1S14_S03A	10Y-24H	0.74	0.00	-0.13	2.70	5.11	3.65
EX1S15_S04A	10Y-24H	0.84	0.00	0.17	2.88	5.87	4.03
EX1S16_S05A	10Y-24H	0.40	-0.16	0.32	2.24	1.09	1.46
EX1S17_S05A	10Y-24H	0.34	-0.24	0.29	2.06	-1.31	1.35
EX1S18_S05A	10Y-24H	0.57	-0.49	-0.42	1.41	0.46	0.90
EX1S18_WEIR	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
PR1AS05A_WEIR	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
PR1AS05B_C-100A	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
PR1S01_1GW7	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
PR1S01_S02	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
PR1S02_1GW7	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
PR1S03_S03A	10Y-24H	2.31	0.00	0.32	3.70	3.94	3.38
PR1S04_S04A	10Y-24H	1.52	0.00	-0.32	3.56	4.85	3.75
PR1S04_SWALE1W4	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
PR1S05_AS05A	10Y-24H	0.00	-3.62	0.04	-2.05	-4.27	-3.16
PR1S05_S05A	10Y-24H	5.63	0.00	1.54	5.56	10.41	7.55
SWALE1W1_S01B	10Y-24H	0.25	0.00	0.00	2.07	0.20	1.14
SWALE1W2_S02A	10Y-24H	1.08	0.00	-0.02	3.09	6.74	4.63
SWALE1W3_S03	10Y-24H	0.90	0.00	-0.02	2.83	5.18	3.77
SWALE1W4_S05A	10Y-24H	6.05	0.00	-2.30	5.13	14.03	9.34
C-100A_WEIR	10Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
EX1S01A_1GW1	10Y-8H	3.06	0.00	0.01	0.00	0.00	0.00
EX1S01A_S01B	10Y-8H	11.64	-5.16	-11.64	0.55	0.55	0.55
EX1S01B_1GW1	10Y-8H	3.06	0.00	0.01	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX1S01B_1GW2	10Y-8H	3.10	0.00	0.01	0.00	0.00	0.00
EX1S01B_S02A	10Y-8H	1.24	-14.68	-4.22	-0.70	-0.70	-0.70
EX1S01_S01A	10Y-8H	8.66	0.00	1.73	7.35	10.65	8.01
EX1S01_SWALE1W1	10Y-8H	3.88	-2.88	0.01	4.70	-4.17	3.98
EX1S02A_1GW2	10Y-8H	3.10	0.00	0.00	0.00	0.00	0.00
EX1S02A_1GW3	10Y-8H	1.03	0.00	0.00	0.00	0.00	0.00
EX1S02A_S02B	10Y-8H	0.12	-20.02	-7.55	-0.95	-0.95	-0.95
EX1S02B_1GW3	10Y-8H	1.03	0.00	0.00	0.00	0.00	0.00
EX1S02B_1GW4	10Y-8H	2.93	0.00	0.00	0.00	0.00	0.00
EX1S02B_S03A	10Y-8H	2.75	-13.16	5.48	-0.63	-0.63	-0.63
EX1S02_S02B	10Y-8H	7.48	0.00	1.72	5.61	11.82	8.33
EX1S02_SWALE1W3	10Y-8H	3.86	-2.54	-0.01	3.77	-3.71	3.35
EX1S03A_1GW4	10Y-8H	2.94	0.00	0.00	0.00	0.00	0.00
EX1S03A_1GW5	10Y-8H	0.79	0.00	0.00	0.00	0.00	0.00
EX1S03A_S04A	10Y-8H	8.01	-9.99	-8.48	-0.48	-0.48	-0.48
EX1S04A_1GW5	10Y-8H	0.79	0.00	0.00	0.00	0.00	0.00
EX1S04A_1GW6	10Y-8H	3.36	0.00	0.00	0.00	0.00	0.00
EX1S04A_S01	10Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
EX1S04A_S05A	10Y-8H	3.95	-8.92	4.48	-0.42	-0.42	-0.42
EX1S05A_1GW6	10Y-8H	3.36	0.00	0.00	0.00	0.00	0.00
EX1S06_S01A	10Y-8H	1.76	-0.24	-0.28	3.58	4.34	3.49
EX1S07_S01A	10Y-8H	1.76	-0.36	-0.39	3.58	6.43	4.64
EX1S08_S01B	10Y-8H	2.27	0.00	-0.32	3.88	5.03	4.04
EX1S09_S01B	10Y-8H	0.98	-1.07	-0.57	3.01	4.71	3.43
EX1S10_S02A	10Y-8H	2.41	0.00	0.49	3.96	7.41	5.34
EX1S11_S02B	10Y-8H	1.65	-0.52	-0.44	3.51	5.73	4.14
EX1S12_S02B	10Y-8H	3.49	0.00	-0.66	4.22	7.49	5.51
EX1S13_S03A	10Y-8H	2.17	-0.09	0.50	3.82	6.93	4.99
EX1S14_S03A	10Y-8H	2.37	0.00	0.71	3.74	7.45	5.27
EX1S15_S04A	10Y-8H	2.42	0.00	-0.75	3.76	8.38	5.69

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX1S16_S05A	10Y-8H	1.08	-1.09	-0.32	3.10	4.89	3.55
EX1S17_S05A	10Y-8H	0.74	-1.44	-0.30	2.78	4.38	3.19
EX1S18_S05A	10Y-8H	1.66	-1.99	-0.36	2.03	-1.62	-1.62
EX1S18_WEIR	10Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
PR1AS05A_WEIR	10Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
PR1AS05B_C-100A	10Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
PR1S01_1GW7	10Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
PR1S01_S02	10Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
PR1S02_1GW7	10Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
PR1S03_S03A	10Y-8H	5.80	0.00	0.88	5.04	5.81	5.00
PR1S04_S04A	10Y-8H	4.57	0.00	1.22	5.04	7.16	5.55
PR1S04_SWALE1W4	10Y-8H	3.09	-2.79	0.01	3.23	-3.99	-3.00
PR1S05_AS05A	10Y-8H	5.40	-5.82	0.07	-3.29	-4.42	-3.75
PR1S05_S05A	10Y-8H	10.24	-1.35	-4.79	8.81	18.44	13.63
SWALE1W1_S01B	10Y-8H	2.57	-0.27	-0.36	4.04	2.09	3.07
SWALE1W2_S02A	10Y-8H	0.63	-0.60	-0.07	2.66	6.15	4.24
SWALE1W3_S03	10Y-8H	4.09	-2.78	-0.56	4.44	5.54	4.02
SWALE1W4_S05A	10Y-8H	6.12	-5.32	-1.84	5.15	14.03	9.34
C-100A_WEIR	25Y-72H	0.00	0.00	0.00	0.00	0.00	0.00
EX1S01A_1GW1	25Y-72H	3.77	0.00	0.00	0.00	0.00	0.00
EX1S01A_S01B	25Y-72H	16.34	-0.30	-16.34	0.78	0.78	0.78
EX1S01B_1GW1	25Y-72H	3.77	0.00	0.00	0.00	0.00	0.00
EX1S01B_1GW2	25Y-72H	3.83	0.00	0.00	0.00	0.00	0.00
EX1S01B_S02A	25Y-72H	4.78	-8.65	-4.76	-0.41	-0.41	-0.41
EX1S01_S01A	25Y-72H	8.71	0.00	1.65	7.35	10.67	8.06
EX1S01_SWALE1W1	25Y-72H	8.25	-3.47	0.02	6.72	6.72	6.72
EX1S02A_1GW2	25Y-72H	3.83	0.00	0.00	0.00	0.00	0.00
EX1S02A_1GW3	25Y-72H	1.27	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX1S02A_S02B	25Y-72H	5.32	-12.97	-7.25	-0.62	-0.62	-0.62
EX1S02B_1GW3	25Y-72H	1.27	0.00	0.00	0.00	0.00	0.00
EX1S02B_1GW4	25Y-72H	3.62	0.00	0.00	0.00	0.00	0.00
EX1S02B_S03A	25Y-72H	6.14	-8.50	5.54	-0.40	-0.40	-0.40
EX1S02_S02B	25Y-72H	7.94	0.00	1.84	5.77	12.02	8.48
EX1S02_SWALE1W3	25Y-72H	8.88	-4.31	0.03	5.02	5.07	5.04
EX1S03A_1GW4	25Y-72H	3.62	0.00	0.00	0.00	0.00	0.00
EX1S03A_1GW5	25Y-72H	0.97	0.00	0.00	0.00	0.00	0.00
EX1S03A_S04A	25Y-72H	9.79	-7.75	-8.14	0.47	0.47	0.47
EX1S04A_1GW5	25Y-72H	0.97	0.00	0.00	0.00	0.00	0.00
EX1S04A_1GW6	25Y-72H	4.14	0.00	0.00	0.00	0.00	0.00
EX1S04A_S01	25Y-72H	2.76	0.00	0.02	3.92	8.35	6.13
EX1S04A_S05A	25Y-72H	5.26	-5.62	-3.78	-0.27	-0.27	-0.27
EX1S05A_1GW6	25Y-72H	4.14	0.00	0.00	0.00	0.00	0.00
EX1S06_S01A	25Y-72H	2.77	-0.33	0.33	3.14	2.26	2.26
EX1S07_S01A	25Y-72H	2.78	-0.36	0.47	3.14	2.26	2.26
EX1S08_S01B	25Y-72H	3.57	0.00	-0.34	3.39	3.00	2.91
EX1S09_S01B	25Y-72H	1.54	-0.90	0.41	2.59	-2.13	1.53
EX1S10_S02A	25Y-72H	3.80	0.00	0.45	3.46	3.10	3.10
EX1S11_S02B	25Y-72H	3.11	-0.29	0.40	3.23	2.53	2.53
EX1S12_S02B	25Y-72H	5.52	0.00	-0.58	3.70	4.30	3.21
EX1S13_S03A	25Y-72H	3.60	-0.14	0.45	3.39	2.93	2.93
EX1S14_S03A	25Y-72H	3.70	0.00	-0.59	3.49	2.10	2.28
EX1S15_S04A	25Y-72H	4.46	0.00	0.69	3.74	2.52	2.55
EX1S16_S05A	25Y-72H	1.69	-0.87	-0.30	2.66	-2.08	1.58
EX1S17_S05A	25Y-72H	1.24	-1.19	0.28	2.43	-2.61	-1.66
EX1S18_S05A	25Y-72H	2.77	-2.10	-0.35	2.26	2.26	2.26
EX1S18_WEIR	25Y-72H	5.40	0.00	0.00	1.52	1.52	1.52
PR1AS05A_WEIR	25Y-72H	11.91	0.00	0.00	1.76	1.76	1.76
PR1AS05B_C-100A	25Y-72H	11.91	0.00	0.07	5.82	10.71	8.27
PR1S01_1GW7	25Y-72H	0.24	-0.12	-0.06	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR1S01_S02	25Y-72H	2.14	0.00	-0.02	1.29	3.12	2.19
PR1S02_1GW7	25Y-72H	0.24	-0.13	-0.13	0.00	0.00	0.00
PR1S03_S03A	25Y-72H	5.41	0.00	0.39	4.01	3.98	3.41
PR1S04_S04A	25Y-72H	3.51	-0.39	0.49	4.52	4.27	3.69
PR1S04_SWALE1W4	25Y-72H	5.18	-2.60	0.01	4.22	4.22	4.22
PR1S05_AS05A	25Y-72H	9.22	-5.97	0.05	5.22	5.22	5.22
PR1S05_S05A	25Y-72H	8.20	-2.26	2.36	7.06	11.21	8.25
SWALE1W1_S01B	25Y-72H	5.20	-5.03	-0.32	4.80	-4.72	4.24
SWALE1W2_S02A	25Y-72H	6.35	-5.55	-1.14	5.94	14.34	9.91
SWALE1W3_S03	25Y-72H	4.04	-9.33	-0.36	-5.28	-5.93	-5.45
SWALE1W4_S05A	25Y-72H	6.92	-8.99	2.19	5.13	14.03	9.34

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
1GW1	100Y-1H	69506	0	69506
1GW1	100Y-24H	263764	0	263763
1GW1	100Y-8H	158052	0	158052
1GW1	10Y-1H	42977	0	42977
1GW1	10Y-24H	156654	0	156654
1GW1	10Y-8H	109074	0	109074
1GW1	25Y-72H	236046	0	236045

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
1GW2	100Y-1H	70545	0	70545
1GW2	100Y-24H	267832	0	267832
1GW2	100Y-8H	160457	0	160457
1GW2	10Y-1H	43624	0	43624
1GW2	10Y-24H	159065	0	159065
1GW2	10Y-8H	110742	0	110742
1GW2	25Y-72H	239671	0	239671

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
1GW3	100Y-1H	23439	0	23439
1GW3	100Y-24H	89015	0	89015
1GW3	100Y-8H	53304	0	53304
1GW3	10Y-1H	14497	0	14497
1GW3	10Y-24H	52865	0	52865
1GW3	10Y-8H	36798	0	36798
1GW3	25Y-72H	79671	0	79671

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
1GW4	100Y-1H	66773	0	66773
1GW4	100Y-24H	253599	0	253599
1GW4	100Y-8H	151776	0	151776
1GW4	10Y-1H	41300	0	41300
1GW4	10Y-24H	150619	0	150619
1GW4	10Y-8H	104823	0	104823

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
1GW4	25Y-72H	227030	0	227030

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
1GW5	100Y-1H	17925	0	17925
1GW5	100Y-24H	68078	0	68078
1GW5	100Y-8H	40724	0	40724
1GW5	10Y-1H	11088	0	11088
1GW5	10Y-24H	40438	0	40438
1GW5	10Y-8H	28137	0	28137
1GW5	25Y-72H	60959	0	60959

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
1GW6	100Y-1H	76468	0	76468
1GW6	100Y-24H	290476	0	290476
1GW6	100Y-8H	173671	0	173671
1GW6	10Y-1H	47306	0	47306
1GW6	10Y-24H	172566	0	172566
1GW6	10Y-8H	120040	0	120040
1GW6	25Y-72H	260161	0	260161

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
1GW7	100Y-1H	1059	0	1059
1GW7	100Y-24H	0	0	0
1GW7	100Y-8H	1861	346	1515
1GW7	10Y-1H	0	0	0
1GW7	10Y-24H	0	0	0
1GW7	10Y-8H	0	0	0
1GW7	25Y-72H	4230	222	4009

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
C-100A	100Y-1H	6554	0	6554
C-100A	100Y-24H	0	0	0
C-100A	100Y-8H	71093	0	71093
C-100A	10Y-1H	0	0	0
C-100A	10Y-24H	0	0	0
C-100A	10Y-8H	0	0	0
C-100A	25Y-72H	64168	0	64168

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S01	100Y-1H	61807	61447	360
EX1S01	100Y-24H	203723	203327	395
EX1S01	100Y-8H	117695	117332	364
EX1S01	10Y-1H	31050	30634	416
EX1S01	10Y-24H	127848	127442	406
EX1S01	10Y-8H	81368	81008	360
EX1S01	25Y-72H	188606	188202	404

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S01A	100Y-1H	65709	65299	409
EX1S01A	100Y-24H	252756	253472	-716
EX1S01A	100Y-8H	132801	131953	848
EX1S01A	10Y-1H	40593	40538	55
EX1S01A	10Y-24H	158055	158478	-423
EX1S01A	10Y-8H	97558	96597	962
EX1S01A	25Y-72H	218715	218715	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S01B	100Y-1H	78459	78601	-142
EX1S01B	100Y-24H	274208	271619	2589
EX1S01B	100Y-8H	175641	174912	729
EX1S01B	10Y-1H	47989	47628	361
EX1S01B	10Y-24H	159859	158780	1079
EX1S01B	10Y-8H	110564	111300	-736
EX1S01B	25Y-72H	256340	253314	3026

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S02	100Y-1H	47659	47181	478
EX1S02	100Y-24H	137990	137526	464
EX1S02	100Y-8H	110932	110463	469
EX1S02	10Y-1H	22642	22171	470
EX1S02	10Y-24H	83104	82573	532
EX1S02	10Y-8H	63384	62914	471
EX1S02	25Y-72H	151152	150624	529

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S02A	100Y-1H	74706	74491	215
EX1S02A	100Y-24H	267554	268797	-1243
EX1S02A	100Y-8H	169237	171413	-2177
EX1S02A	10Y-1H	47970	48164	-194
EX1S02A	10Y-24H	157386	156310	1076
EX1S02A	10Y-8H	110600	110449	151
EX1S02A	25Y-72H	252333	250581	1752

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S02B	100Y-1H	104422	104432	-10
EX1S02B	100Y-24H	307821	305591	2230
EX1S02B	100Y-8H	192753	191772	981
EX1S02B	10Y-1H	65818	65594	224
EX1S02B	10Y-24H	199024	199581	-557
EX1S02B	10Y-8H	151042	150895	147
EX1S02B	25Y-72H	298055	296031	2024

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S03A	100Y-1H	94470	94291	180
EX1S03A	100Y-24H	265406	267985	-2579
EX1S03A	100Y-8H	181948	181934	15
EX1S03A	10Y-1H	61527	61266	262
EX1S03A	10Y-24H	168913	169450	-537
EX1S03A	10Y-8H	133296	133472	-177

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S03A	25Y-72H	279876	278156	1720

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S04A	100Y-1H	81219	81124	95
EX1S04A	100Y-24H	246330	243881	2449
EX1S04A	100Y-8H	160185	159797	388
EX1S04A	10Y-1H	55149	54998	150
EX1S04A	10Y-24H	152847	152706	141
EX1S04A	10Y-8H	119096	118646	450
EX1S04A	25Y-72H	251714	249602	2112

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S05A	100Y-1H	80950	80775	175
EX1S05A	100Y-24H	264340	265345	-1006
EX1S05A	100Y-8H	139816	139624	192
EX1S05A	10Y-1H	56629	56444	185
EX1S05A	10Y-24H	179881	179930	-49
EX1S05A	10Y-8H	120983	120870	112
EX1S05A	25Y-72H	243515	241780	1734

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S06	100Y-1H	8652	8293	359
EX1S06	100Y-24H	23479	23194	285
EX1S06	100Y-8H	16634	16251	383
EX1S06	10Y-1H	5899	5542	356
EX1S06	10Y-24H	15350	14940	409
EX1S06	10Y-8H	11662	11312	349
EX1S06	25Y-72H	22683	22293	390

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S07	100Y-1H	8655	8292	362
EX1S07	100Y-24H	23615	23326	289
EX1S07	100Y-8H	16635	16231	405
EX1S07	10Y-1H	5900	5541	359
EX1S07	10Y-24H	15350	14931	419
EX1S07	10Y-8H	11663	11317	346
EX1S07	25Y-72H	22684	22296	388

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S08	100Y-1H	11108	10755	353
EX1S08	100Y-24H	30153	30096	57
EX1S08	100Y-8H	21379	21049	330
EX1S08	10Y-1H	7575	7223	352
EX1S08	10Y-24H	19735	19338	397
EX1S08	10Y-8H	14987	14627	361
EX1S08	25Y-72H	29143	28748	396

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S09	100Y-1H	4875	4526	349
EX1S09	100Y-24H	13465	13178	286
EX1S09	100Y-8H	9234	8970	264
EX1S09	10Y-1H	3329	2983	346
EX1S09	10Y-24H	8465	8088	376
EX1S09	10Y-8H	6491	6136	355
EX1S09	25Y-72H	12594	12206	388

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S10	100Y-1H	11814	11463	351
EX1S10	100Y-24H	32078	31935	143
EX1S10	100Y-8H	22737	22355	382
EX1S10	10Y-1H	8056	7702	354
EX1S10	10Y-24H	20988	20590	398
EX1S10	10Y-8H	15939	15584	355
EX1S10	25Y-72H	30994	30591	403

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S11	100Y-1H	7037	6678	359
EX1S11	100Y-24H	23642	23331	312
EX1S11	100Y-8H	15875	15527	348
EX1S11	10Y-1H	4166	3811	355
EX1S11	10Y-24H	14420	14011	409
EX1S11	10Y-8H	10307	9957	351
EX1S11	25Y-72H	22745	22351	394

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S12	100Y-1H	16589	16230	359
EX1S12	100Y-24H	45881	45685	196
EX1S12	100Y-8H	32382	32035	347
EX1S12	10Y-1H	11168	10813	355
EX1S12	10Y-24H	29853	29424	429
EX1S12	10Y-8H	22550	22199	351
EX1S12	25Y-72H	44330	43937	392

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S13	100Y-1H	9667	9311	355
EX1S13	100Y-24H	28831	28545	286
EX1S13	100Y-8H	19966	19602	364
EX1S13	10Y-1H	6184	5831	353
EX1S13	10Y-24H	18309	17886	423
EX1S13	10Y-8H	13536	13167	369
EX1S13	25Y-72H	27812	27414	398

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S14	100Y-1H	11461	11005	456
EX1S14	100Y-24H	31114	30593	521
EX1S14	100Y-8H	22058	21604	454
EX1S14	10Y-1H	7816	7362	454
EX1S14	10Y-24H	20362	19850	512
EX1S14	10Y-8H	15463	14995	468

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S14	25Y-72H	30069	29564	505

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S15	100Y-1H	10053	9576	477
EX1S15	100Y-24H	33720	33238	482
EX1S15	100Y-8H	22667	22188	479
EX1S15	10Y-1H	5959	5478	481
EX1S15	10Y-24H	20613	20069	545
EX1S15	10Y-8H	14741	14275	466
EX1S15	25Y-72H	32446	31902	544

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S16	100Y-1H	5386	5031	355
EX1S16	100Y-24H	14420	13776	644
EX1S16	100Y-8H	10241	9890	352
EX1S16	10Y-1H	3677	3323	354
EX1S16	10Y-24H	9403	9002	401
EX1S16	10Y-8H	7195	6835	359
EX1S16	25Y-72H	13964	13566	398

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S17	100Y-1H	4035	3680	355
EX1S17	100Y-24H	10664	9991	673
EX1S17	100Y-8H	7565	7214	351
EX1S17	10Y-1H	2758	2404	354
EX1S17	10Y-24H	6909	6509	401
EX1S17	10Y-8H	5327	4969	359
EX1S17	25Y-72H	10314	9915	399

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX1S18	100Y-1H	10931	10926	5
EX1S18	100Y-24H	28260	28171	90
EX1S18	100Y-8H	20058	20056	2
EX1S18	10Y-1H	7121	7118	4
EX1S18	10Y-24H	18506	18516	-10
EX1S18	10Y-8H	14073	14067	6
EX1S18	25Y-72H	28284	28313	-30

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR1AS05A	100Y-1H	66443	66009	435
PR1AS05A	100Y-24H	142083	141584	499
PR1AS05A	100Y-8H	149400	148965	436
PR1AS05A	10Y-1H	36455	36020	435
PR1AS05A	10Y-24H	100686	100292	393
PR1AS05A	10Y-8H	77753	77317	436
PR1AS05A	25Y-72H	198841	198347	494

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR1AS05B	100Y-1H	4297	4043	254
PR1AS05B	100Y-24H	0	0	0
PR1AS05B	100Y-8H	71229	70975	254
PR1AS05B	10Y-1H	0	0	0
PR1AS05B	10Y-24H	0	0	0
PR1AS05B	10Y-8H	0	0	0
PR1AS05B	25Y-72H	59372	59085	287

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR1S01	100Y-1H	1378	1117	261
PR1S01	100Y-24H	0	0	0
PR1S01	100Y-8H	1885	1726	159
PR1S01	10Y-1H	0	0	0
PR1S01	10Y-24H	0	0	0
PR1S01	10Y-8H	0	0	0
PR1S01	25Y-72H	4984	4431	553

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR1S02	100Y-1H	557	499	58
PR1S02	100Y-24H	0	0	0
PR1S02	100Y-8H	954	918	36
PR1S02	10Y-1H	0	0	0
PR1S02	10Y-24H	0	0	0
PR1S02	10Y-8H	0	0	0
PR1S02	25Y-72H	2416	2100	316

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR1S03	100Y-1H	53025	52723	301
PR1S03	100Y-24H	139505	139209	297
PR1S03	100Y-8H	103176	102882	294
PR1S03	10Y-1H	24361	24080	282
PR1S03	10Y-24H	83579	83235	344
PR1S03	10Y-8H	65076	64785	292
PR1S03	25Y-72H	143699	143350	350

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR1S04	100Y-1H	31160	30706	454
PR1S04	100Y-24H	84490	84012	478
PR1S04	100Y-8H	60682	60227	454
PR1S04	10Y-1H	15313	14879	434
PR1S04	10Y-24H	36131	35653	479
PR1S04	10Y-8H	43827	43374	452
PR1S04	25Y-72H	75992	75493	499

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR1S05	100Y-1H	74766	74434	333
PR1S05	100Y-24H	213036	212541	495
PR1S05	100Y-8H	119642	119267	375
PR1S05	10Y-1H	47224	46883	341
PR1S05	10Y-24H	145805	145321	484
PR1S05	10Y-8H	102509	102179	330

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR1S05	25Y-72H	205052	204568	484

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 1W1	100Y-1H	53156	43131	10024
SWALE 1W1	100Y-24H	138914	129023	9891
SWALE 1W1	100Y-8H	112361	102396	9965
SWALE 1W1	10Y-1H	22051	12122	9929
SWALE 1W1	10Y-24H	81231	71371	9860
SWALE 1W1	10Y-8H	62612	52689	9923
SWALE 1W1	25Y-72H	153714	143871	9844

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 1W2	100Y-1H	42848	793	42056
SWALE 1W2	100Y-24H	145773	102569	43203
SWALE 1W2	100Y-8H	110190	66838	43353
SWALE 1W2	10Y-1H	19297	0	19297
SWALE 1W2	10Y-24H	84062	40937	43125
SWALE 1W2	10Y-8H	59487	16362	43124
SWALE 1W2	25Y-72H	148721	105619	43102

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 1W3	100Y-1H	50583	42304	8279
SWALE 1W3	100Y-24H	109190	100848	8343
SWALE 1W3	100Y-8H	100580	92260	8320
SWALE 1W3	10Y-1H	18247	9898	8349
SWALE 1W3	10Y-24H	63394	55070	8324
SWALE 1W3	10Y-8H	54585	46279	8306
SWALE 1W3	25Y-72H	132779	124496	8283

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 1W4	100Y-1H	59409	66963	-7554
SWALE 1W4	100Y-24H	159930	167419	-7489
SWALE 1W4	100Y-8H	127737	135268	-7531
SWALE 1W4	10Y-1H	29120	36602	-7483
SWALE 1W4	10Y-24H	93362	100686	-7323
SWALE 1W4	10Y-8H	78834	86359	-7525
SWALE 1W4	25Y-72H	177011	184565	-7554

System 2

Pre-Development Land Use Tables
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Post-Development ICPR Input/Output

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

PRE-DEVELOPMENT LAND-USE

Drainage System: **2** **SHGWT EL. (ft-NAVD):** **1.46**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
2AB01	**10**	**2.45**	**2.45**	1.72	0.00	0.73	**0.00**	0.00	0.00	0.00	9.04	7.58	8.18	**80.41**
2AB02	**10**	**1.13**	**1.13**	0.87	0.00	0.26	**0.00**	0.00	0.00	0.00	9.75	8.29	8.18	**84.17**
2AB03	**10**	**1.32**	**1.32**	0.76	0.00	0.56	**0.00**	0.00	0.00	0.00	10.55	9.09	8.18	**74.24**
2AB04	**10**	**1.71**	**1.71**	0.82	0.00	0.89	**0.00**	0.00	0.00	0.00	11.80	10.34	8.18	**70.14**
2B01	**10**	**1.65**	**1.65**	1.46	0.00	0.19	**0.00**	0.00	0.00	0.00	10.20	8.74	8.18	**91.40**
2B08	**10**	**0.53**	**0.53**	0.53	0.00	0.00	**0.00**	0.00	0.00	0.00	10.02	8.56	8.18	**98.00**
2B09	**10**	**1.12**	**1.12**	1.00	0.00	0.12	**0.00**	0.00	0.00	0.00	10.03	8.57	8.18	**91.95**
2B10	**10**	**0.37**	**0.37**	0.37	0.00	0.00	**0.00**	0.00	0.00	0.00	9.64	8.18	8.18	**98.00**
2B12	**10**	**0.57**	**0.57**	0.49	0.00	0.08	**0.00**	0.00	0.00	0.00	10.82	9.36	8.18	**89.71**
2B14	**10**	**0.35**	**0.35**	0.35	0.00	0.00	**0.00**	0.00	0.00	0.00	10.15	8.69	8.18	**98.00**
2B16	**10**	**0.34**	**0.34**	0.31	0.00	0.03	**0.00**	0.00	0.00	0.00	11.15	9.69	8.18	**93.27**
2B18	**10**	**0.46**	**0.46**	0.43	0.00	0.03	**0.00**	0.00	0.00	0.00	11.77	10.31	8.18	**94.94**
2B20	**10**	**0.48**	**0.48**	0.45	0.00	0.03	**0.00**	0.00	0.00	0.00	12.34	10.88	8.18	**95.14**
2B21	**10**	**0.35**	**0.35**	0.31	0.00	0.04	**0.00**	0.00	0.00	0.00	11.00	9.54	8.18	**91.46**
2B22	**10**	**0.47**	**0.47**	0.47	0.00	0.00	**0.00**	0.00	0.00	0.00	12.52	11.06	8.18	**98.00**
2B23	**10**	**0.40**	**0.40**	0.26	0.00	0.14	**0.00**	0.00	0.00	0.00	11.41	9.95	8.18	**77.75**
2B24	**10**	**0.40**	**0.40**	0.13	0.00	0.27	**0.00**	0.00	0.00	0.00	15.22	13.76	8.18	**64.43**
2B25	**10**	**0.47**	**0.47**	0.20	0.00	0.27	**0.00**	0.00	0.00	0.00	22.68	21.22	8.18	**68.04**
2B26	**10**	**0.61**	**0.61**	0.24	0.00	0.37	**0.00**	0.00	0.00	0.00	30.96	29.50	8.18	**66.84**
2B27	**10**	**0.31**	**0.31**	0.31	0.00	0.00	**0.00**	0.00	0.00	0.00	32.64	31.18	8.18	**98.00**
2B28	**10**	**0.56**	**0.56**	0.56	0.00	0.00	**0.00**	0.00	0.00	0.00	25.97	24.51	8.18	**98.00**
2B29	**10**	**0.76**	**0.76**	0.76	0.00	0.00	**0.00**	0.00	0.00	0.00	9.87	8.41	8.18	**98.00**
2B30-OFFSITE	**10**	**0.27**	**0.00**	0.00	0.00	0.00	**0.27**	0.27	0.00	0.00	6.45	4.99	8.18	**98.00**
2B31	**10**	**0.20**	**0.20**	0.02	0.00	0.18	**0.00**	0.00	0.00	0.00	24.07	22.61	8.18	**57.60**
2B32	**10**	**0.21**	**0.21**	0.00	0.00	0.21	**0.00**	0.00	0.00	0.00	20.24	18.78	8.18	**55.01**
2B33	**10**	**0.76**	**0.76**	0.00	0.00	0.76	**0.00**	0.00	0.00	0.00	13.48	12.02	8.18	**55.01**
2B34	**10**	**0.55**	**0.55**	0.02	0.00	0.53	**0.00**	0.00	0.00	0.00	17.53	16.07	8.18	**55.93**
2BES01	**10**	**0.47**	**0.47**	0.47	0.00	0.00	**0.00**	0.00	0.00	0.00	10.16	8.70	8.18	**98.00**
2BES09	**10**	**0.49**	**0.49**	0.45	0.00	0.04	**0.00**	0.00	0.00	0.00	10.16	8.70	8.18	**93.75**
2BES11	**10**	**0.56**	**0.56**	0.56	0.00	0.00	**0.00**	0.00	0.00	0.00	10.16	8.70	8.18	**98.00**
2BES20	**10**	**0.42**	**0.42**	0.42	0.00	0.00	**0.00**	0.00	0.00	0.00	10.75	9.29	8.18	**98.00**
2BES21	**10**	**0.55**	**0.55**	0.16	0.00	0.39	**0.00**	0.00	0.00	0.00	9.90	8.44	8.18	**63.29**
POND 2E1	**10**	**0.87**	**0.87**	0.00	0.00	0.87	**0.00**	0.00	0.00	0.00	4.47	3.01	4.95	**66.89**
POND 2E2	**10**	**0.90**	**0.90**	0.00	0.00	0.90	**0.00**	0.00	0.00	0.00	6.65	5.19	8.18	**55.01**
SYSTEM 2 TOTALS		**23.06**	**22.79**	**14.90**	**0.00**	**7.89**	**0.27**	**0.27**	**0.00**	**0.00**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

Drainage System: **2** **SHGWT EL. (ft-NAVD):** **1.46**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
2AB01	**10**	**2.30**	**2.30**	1.78	0.00	0.52	**0.00**	0.00	0.00	0.00	9.04	7.58	8.18	**84.40**
2AB02	**10**	**1.07**	**1.07**	0.87	0.00	0.20	**0.00**	0.00	0.00	0.00	9.75	8.29	8.18	**86.74**
2AB03	**10**	**1.20**	**1.20**	0.79	0.00	0.41	**0.00**	0.00	0.00	0.00	10.55	9.09	8.18	**78.16**
2AB04	**10**	**1.49**	**1.49**	0.76	0.00	0.73	**0.00**	0.00	0.00	0.00	11.80	10.34	8.18	**71.39**
2B01	**10**	**1.64**	**1.64**	1.40	0.00	0.24	**0.00**	0.00	0.00	0.00	10.20	8.74	8.18	**89.31**
2B08	**10**	**0.52**	**0.52**	0.52	0.00	0.00	**0.00**	0.00	0.00	0.00	10.02	8.56	8.18	**98.00**
2B09	**10**	**1.21**	**1.21**	1.09	0.00	0.12	**0.00**	0.00	0.00	0.00	10.03	8.57	8.18	**92.50**
2B10	**10**	**0.34**	**0.34**	0.34	0.00	0.00	**0.00**	0.00	0.00	0.00	9.64	8.18	8.18	**98.00**
2B12	**10**	**0.70**	**0.70**	0.56	0.00	0.14	**0.00**	0.00	0.00	0.00	10.82	9.36	8.18	**85.95**
2B14	**10**	**0.34**	**0.34**	0.34	0.00	0.00	**0.00**	0.00	0.00	0.00	10.15	8.69	8.18	**98.00**
2B16	**10**	**0.40**	**0.40**	0.37	0.00	0.03	**0.00**	0.00	0.00	0.00	11.15	9.69	8.18	**94.22**
2B18	**10**	**0.51**	**0.51**	0.51	0.00	0.00	**0.00**	0.00	0.00	0.00	11.77	10.31	8.18	**98.00**
2B20	**10**	**0.57**	**0.57**	0.57	0.00	0.00	**0.00**	0.00	0.00	0.00	12.34	10.88	8.18	**98.00**
2B21	**10**	**0.36**	**0.36**	0.33	0.00	0.03	**0.00**	0.00	0.00	0.00	11.00	9.54	8.18	**93.62**
2B22	**10**	**0.86**	**0.86**	0.86	0.00	0.00	**0.00**	0.00	0.00	0.00	12.52	11.06	8.18	**98.00**
2B23	**10**	**0.40**	**0.40**	0.26	0.00	0.14	**0.00**	0.00	0.00	0.00	11.41	9.95	8.18	**77.75**
2B24	**10**	**0.40**	**0.40**	0.13	0.00	0.27	**0.00**	0.00	0.00	0.00	15.22	13.76	8.18	**64.43**
2B25	**10**	**0.47**	**0.47**	0.20	0.00	0.27	**0.00**	0.00	0.00	0.00	22.68	21.22	8.18	**68.04**
2B26	**10**	**0.61**	**0.61**	0.24	0.00	0.37	**0.00**	0.00	0.00	0.00	30.96	29.50	8.18	**66.84**
2B27	**10**	**0.31**	**0.31**	0.31	0.00	0.00	**0.00**	0.00	0.00	0.00	32.64	31.18	8.18	**98.00**
2B28	**10**	**0.56**	**0.56**	0.56	0.00	0.00	**0.00**	0.00	0.00	0.00	25.97	24.51	8.18	**98.00**
2B29	**10**	**0.76**	**0.76**	0.76	0.00	0.00	**0.00**	0.00	0.00	0.00	9.87	8.41	8.18	**98.00**
2B30-OFFSITE	**10**	**0.27**	**0.00**	0.00	0.00	0.00	**0.27**	0.27	0.00	0.00	6.45	4.99	8.18	**98.00**
2B31	**10**	**0.20**	**0.20**	0.02	0.00	0.18	**0.00**	0.00	0.00	0.00	24.07	22.61	8.18	**57.60**
2B32	**10**	**0.21**	**0.21**	0.00	0.00	0.21	**0.00**	0.00	0.00	0.00	20.24	18.78	8.18	**55.01**
2B33	**10**	**0.76**	**0.76**	0.00	0.00	0.76	**0.00**	0.00	0.00	0.00	13.48	12.02	8.18	**55.01**
2B34	**10**	**0.55**	**0.55**	0.02	0.00	0.53	**0.00**	0.00	0.00	0.00	17.53	16.07	8.18	**55.93**
2BES01	**10**	**0.47**	**0.47**	0.47	0.00	0.00	**0.00**	0.00	0.00	0.00	10.16	8.70	8.18	**98.00**
2BES09	**10**	**0.49**	**0.49**	0.45	0.00	0.04	**0.00**	0.00	0.00	0.00	10.16	8.70	8.18	**93.75**
2BES11	**10**	**0.56**	**0.56**	0.56	0.00	0.00	**0.00**	0.00	0.00	0.00	10.16	8.70	8.18	**98.00**
2BES20	**10**	**0.45**	**0.45**	0.41	0.00	0.04	**0.00**	0.00	0.00	0.00	10.75	9.29	8.18	**93.23**
2BES21	**10**	**0.55**	**0.55**	0.16	0.00	0.39	**0.00**	0.00	0.00	0.00	9.90	8.44	8.18	**63.29**
POND 2E1	**10**	**0.87**	**0.87**	0.00	0.00	0.87	**0.00**	0.00	0.00	0.00	4.47	3.01	4.95	**66.89**
POND 2E2	**10**	**0.90**	**0.90**	0.00	0.00	0.90	**0.00**	0.00	0.00	0.00	6.65	5.19	8.18	**55.01**
SYSTEM 2 TOTALS		**23.30**	**23.03**	**15.64**	**0.00**	**7.39**	**0.27**	**0.27**	**0.00**	**0.00**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY SUMMARY

Drainage System: ***2***

SYSTEM	SHGWT EL. (ft-NAVD)	TOTAL ONSITE AREA (Ac.) *[POST-DEV.]*	ONSITE IMPERVIOUS AREA (Ac.) *[POST-DEV.]*	ADDITIONAL IMPERVIOUS AREA (Ac.) *[POST - PRE-DEV.]*	ADDITIONAL ONSITE PERVIOUS AREA (Ac.) *[POST - PRE-DEV.]*	SFWMD 2.5" OVER IMPERVIOUS AREA (Ac-ft)	[1] SFWMD WATER QUALITY TREATMENT REQUIRED FOR RETENTION (Ac-ft)	[2] DRER WATER QUALITY TREATMENT REQUIRED (Ac-ft)	[3] DRY- / WET-RETENTION TREATMENT VOLUME PROVIDED (Ac-ft)	FRENCH DRAIN TREATMENT VOLUME PROVIDED (Ac-ft)	TOTAL TREATMENT VOLUME PROVIDED (Ac-ft)	SFWMD SURPLUS TREATMENT VOLUME PROVIDED (Ac-ft)
2	1.46	23.03	15.64	0.74	0.00	0.15	**0.15**	**0.11**	5.01	0.73	**5.74**	**5.59**
SYSTEM TOTAL	1.46	23.03	15.64	0.74	0.00	0.15	**0.15**	**0.11**	5.01	0.73	**5.74**	**5.59**

[1] 2.5" over Additional Impervious Area.

[2] See next page for water quality calculations by Miami-Dade Department of Regulatory and Economic Resources (DRER).

[3] Multiplied by 2 to account for 50% retention volume credit.

POND 2E1			POND 2E2		
TYPE:	Dry Retention		**TYPE:**	Dry Retention	
STAGE (ft-NAVD)	**AREA (Ac.)**	**VOLUME (Ac-ft)**	**STAGE (ft-NAVD)**	**AREA (Ac.)**	**VOLUME (Ac-ft)**
5.45	0.09	0.00	5.45	0.08	0.00
6.45	0.14	0.12	6.45	0.14	0.11
7.45	0.29	0.33	7.45	0.28	0.32
9.74	**0.56**	**1.30**	**9.74**	**0.49**	**1.20**
11.45	0.87	2.53	11.45	0.90	2.39

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS
WATER QUALITY CALCULATIONS BY DRER

Drainage System: 1

AREA:

Additional Onsite Impervious	**0.74**	Ac.	100%
Additional Onsite Pervious	**0.00**	Ac.	0%
Additional Area	**0.74**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.90 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV}) / A_T = \mathbf{0.90}$$

$t_{1"}$ = 9.96 min.

TOTAL TIME OF CONCENTRATION (T_T)

$T_T = t_{1"} + Tc =$ 19.96 min.

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.74 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ Q_{1"}\ T_T =$ **4577.64** cf **0.11** **ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

TABLE 2-2 : VARIABLE GROUNDWATER CALCULATIONS

Drainage System: **2**

Stage = DHW + [PRG x (RF - DHW)]
See ADICPR Technical Design Guide 2-25

Elevation Conversion:	-1.54	ft.	(NGVD-NAVD)

DHW =	3.00	ft. - NGVD	Design High Water / October Average Groundwater Elevation
	1.46	ft. - NAVD	(MD PWD - W.C. 2.2)
RF =	4.25	ft. - NGVD	Return Frequency Groundwater Elevation / Average Yearly Highest Groundwater Level (AYH) (MD
	2.71	ft. - NAVD	PWD - W.C. 2.1)
PRG =	Variable		(Percentage Rise in Groundwater)

8-hr Design Storm Duration		
Time	PRG	Stage
(hrs)	%	(ft)
0	0.00	1.46
1	0.02	1.49
2	0.13	1.62
3	0.28	1.81
4	0.70	2.34
5	0.86	2.54
6	0.92	2.61
7	0.97	2.67
8	1.00	2.71
12	0.00	1.46

24HR DESIGN STORM DURATION		
TIME	**PRG**	**STAGE**
(hrs)	**%**	**(ft-NAVD)**
0.00	0.00	1.46
1.00	0.01	1.47
2.00	0.03	1.50
3.00	0.06	1.54
4.00	0.09	1.57
5.00	0.12	1.61
6.00	0.16	1.66
7.00	0.20	1.71
8.00	0.24	1.76
9.00	0.30	1.84
10.00	0.36	1.91
11.00	0.44	2.01
12.00	0.54	2.14
13.00	0.61	2.22
14.00	0.67	2.30
15.00	0.73	2.37
16.00	0.78	2.44
17.00	0.82	2.49
18.00	0.86	2.54
19.00	0.90	2.59
20.00	0.93	2.62
21.00	0.96	2.66
22.00	0.98	2.69
23.00	0.99	2.70
24.00	1.00	2.71
36.00	0.00	1.46

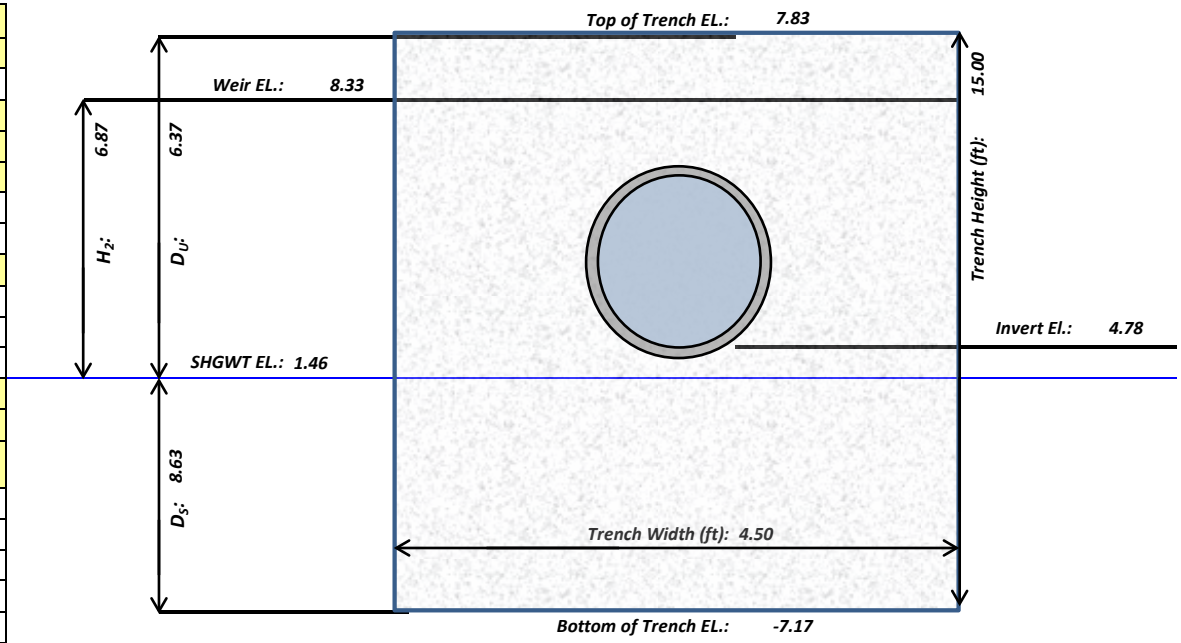
72HR DESIGN STORM DURATION		
TIME	**PRG**	**STAGE**
(hrs)	**%**	**(ft-NAVD)**
0.00	0.00	1.46
24.00	0.11	1.59
36.00	0.19	1.69
48.00	0.26	1.79
49.00	0.27	1.80
50.00	0.28	1.81
51.00	0.29	1.82
52.00	0.30	1.83
53.00	0.31	1.85
54.00	0.33	1.87
55.00	0.34	1.89
56.00	0.37	1.92
57.00	0.39	1.95
57.50	0.40	1.97
58.00	0.42	1.99
58.50	0.44	2.01
59.00	0.46	2.04
59.50	0.50	2.08
60.00	0.75	2.39
60.50	0.80	2.46
61.00	0.83	2.50
61.50	0.85	2.52
62.00	0.87	2.54
62.50	0.88	2.56
63.00	0.89	2.57
64.00	0.91	2.60
65.00	0.92	2.62
66.00	0.94	2.63
68.00	0.96	2.67
70.00	0.98	2.69
72.00	1.00	2.71
108.00	0.00	1.46

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 2

French Drain (ICPR Link Name):	**EX2S01_2GW1/EX2S02_2GW1**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.46**
Pipe Size (in):	**24**
Effective Length of French Drain, *L* (LF):	**310.2**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, *L* (LF):	**155.10**
Pipe Thickness (in):	**3.00**
Pipe Invert EL. (ft-NAVD):	**4.78**
Top of Trench EL. (ft-NAVD):	7.83
Bottom of Trench EL. (ft-NAVD):	-7.17
Trench Height, H_T (ft):	15.00
Weir EL. (ft-NAVD):	8.33
Trench Width, *W* (ft):	4.50
P-1, P-2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):**	**1.16E-04**
Depth to Water Table, H_2 (ft):	6.87
Non-Saturated Trench Depth, D_U (ft):	6.37
Saturated Trench Depth, D_S (ft):	8.63
H_2W:	30.92
$2H_2D_U$:	87.52
D_U^2:	40.58
$2H_2D_S$:	118.58
$(1.39x10^{-4})WD_U$:	0.003984
d_2:	0.00
d_3:	0.00
K_{10}:	1.16E-04
K_{15}:	1.16E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	**N/A**
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	**3.60**
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**0.30**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

***Note: Hydraulic Conductivity was taken from FPID 433489-1-52-01 (Engineer's Report)*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 2

French Drain (ICPR Link Name): EX2S01_2GW1/EX2S02_2GW1
Existing/Proposed: Existing
Pipe Size (in): 24
1 /2 Length of French Drain, *L* (LF) * : 77.55
Trench Height, H_T (ft): 15.00
Trench Width, *W* (ft): 4.50

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): 1.160E-04
Pipe Invert EL. (ft-NAVD): 4.78
Top of Trench EL. (ft-NAVD): 7.83
Bottom of Trench EL. (ft-NAVD): -7.17
Weir EL. (ft-NAVD): 8.33
Upstream Structure Rim/Grate EL. (ft-NAVD): 2.43

SHGWT EL. (ft-NAVD): 1.46
Max Stage (ft-NAVD): *8.83*
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** 2.71
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.46	**1.46**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.46	**7.83**	6.37	8.46	6.37	0.01721	**1.3346**	$E = 2K_{10}D_U(D_U/2+d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.46	**8.83**	6.37	8.46	7.37	0.02065	**1.6014**	$E = 2K_{10}[D_U(D_P-D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.71	**2.50**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.71	**7.83**	5.12	9.96	5.12	0.01487	**1.1533**	$E = 2K_{10}D_U(D_U/2+d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.71	**8.83**	5.12	9.96	6.12	0.01837	**1.4246**	$E = 2K_{10}[D_U(D_P-D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.46	**1.46**	**0.0000**
1.46	**7.83**	**1.3346**
1.46	**8.83**	**1.6014**
2.71	**2.50**	**0.0000**
2.71	**7.83**	**1.1533**
2.71	**8.83**	**1.4246**

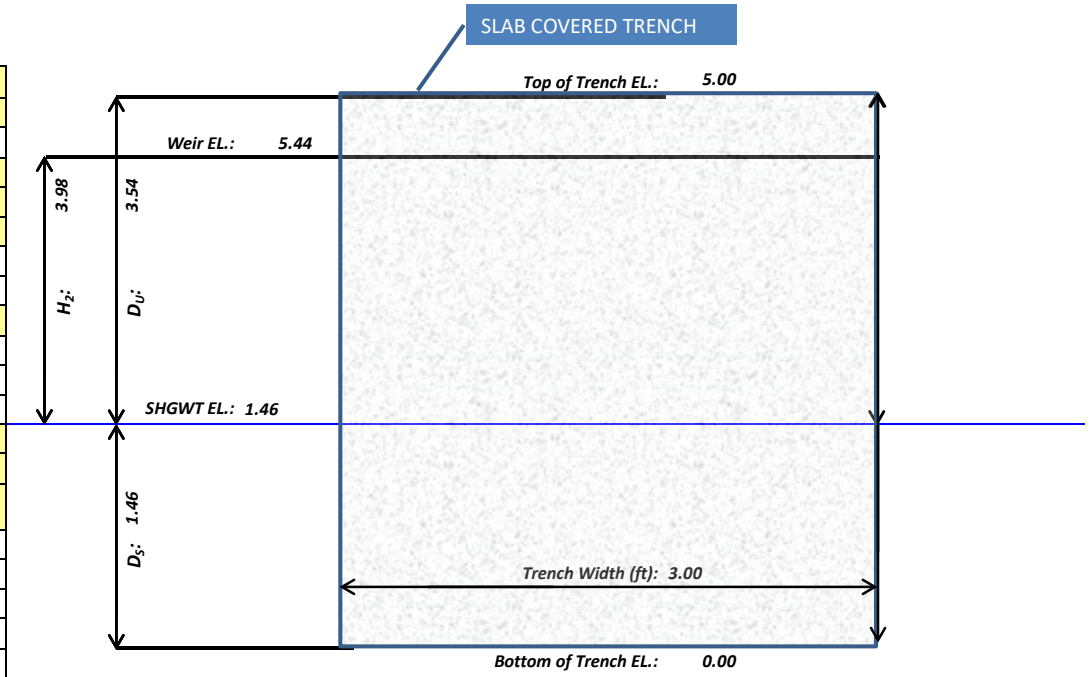
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

SLAB COVERED TRENCH DESIGN & TREATMENT VOLUMES

Drainage System: 2

Slab Covered Trench (ICPR Link Name):	EX2ES07_2GW2/EX2S09A_2GW2
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.46
Pipe Size (in):	-
Effective Length of Trench, L (LF):	173.0
Safety Factor (SF):	2.00
Effective Length of Trench with Safety Factor, L (LF):	86.50
Pipe Thickness (in):	-
Pipe Invert EL. (ft-NAVD):	-
Top of Trench EL. (ft-NAVD):	5.00
Bottom of Trench EL. (ft-NAVD):	0.00
Trench Height, H_T (ft):	5.00
Weir EL. (ft-NAVD):	5.44
Trench Width, W (ft):	3.00
P-1, P-2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head)**:	1.16E-04
Depth to Water Table, H_2 (ft):	3.98
Non-Saturated Trench Depth, D_U (ft):	3.54
Saturated Trench Depth, D_S (ft):	1.46
H_2W:	11.94
$2H_2D_U$:	28.18
D_U^2:	12.53
$2H_2D_S$:	11.62
$(1.39x10^{-4})WD_U$:	0.001476
d_2:	0.00
d_3:	0.00
K_{10}:	1.16E-04
K_{15}:	1.16E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	0.52
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	N/A*
$D_U > D_S$ and $W < 2H_T$(Yes/No):	Yes
Treatment Volume Provided, V (Ac-ft):	**0.04**

***Note: Hydraulic Conductivity was taken from FPID 433489-1-52-01 (Engineer's Report)*



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

SLAB COVERED TRENCH OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 2

Slab Covered Trench (ICPR Link Name): EX2ES07_2GW2/EX2S09A_2GW2

Existing/Proposed: Existing

Pipe Size (in): -

1 /2 Length of Trench, *L* (LF) * : 43.25

Trench Height, H_T (ft): 5.00

Trench Width, *W* (ft): 3.00

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): 1.160E-04

Pipe Invert EL. (ft-NAVD): -

Top of Trench EL. (ft-NAVD): 5.00

Bottom of Trench EL. (ft-NAVD): 0.00

Weir EL. (ft-NAVD): 5.44

Upstream Structure Rim/Grate EL. (ft-NAVD): 7.64

SHGWT EL. (ft-NAVD): 1.46

Max Stage (ft-NAVD): *10.30*

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** 2.71

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.46	**1.46**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.46	**5.00**	3.54	1.46	3.54	0.00265	**0.1147**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.46	**10.30**	3.54	1.46	8.84	0.00880	**0.3806**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.71	**2.71**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.71	**5.00**	2.29	2.96	2.29	0.00218	**0.0943**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.71	**10.30**	2.29	2.96	7.59	0.00864	**0.3735**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.46	**1.46**	**0.0000**
1.46	**5.00**	**0.1147**
1.46	**10.30**	**0.3806**
2.71	**2.71**	**0.0000**
2.71	**5.00**	**0.0943**
2.71	**10.30**	**0.3735**

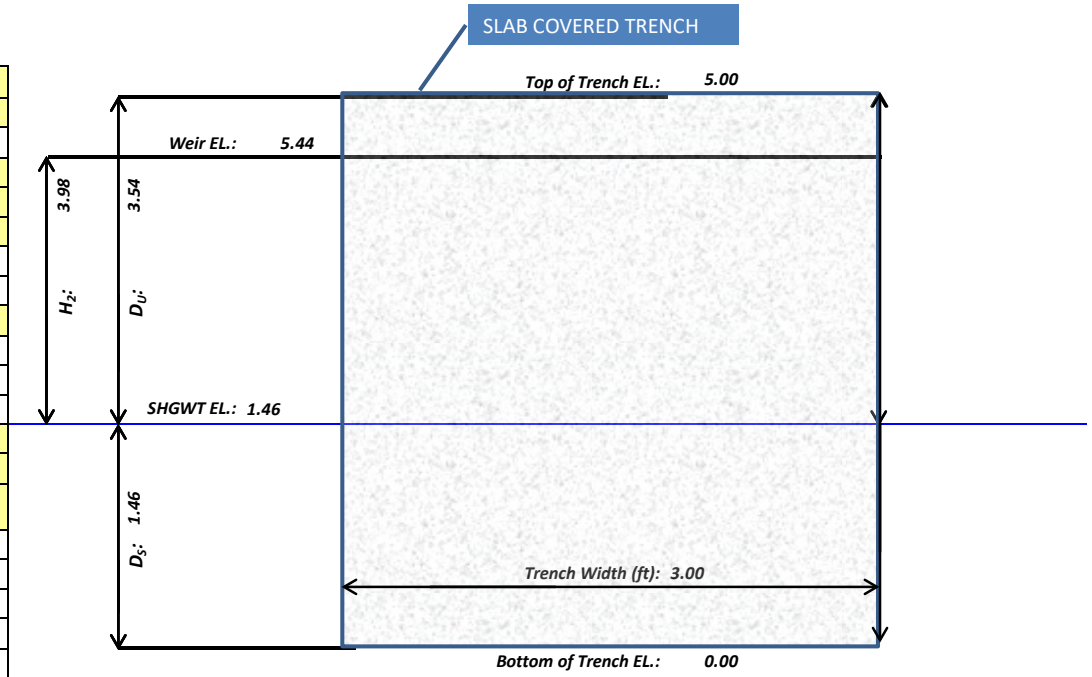
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

SLAB COVERED TRENCH DESIGN & TREATMENT VOLUMES

Drainage System: 2

Slab Covered Trench (ICPR Link Name):	EX2S09A_2GW3/EX2S07_2GW3
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.46
Pipe Size (in):	-
Effective Length of Trench, L (LF):	707.0
Safety Factor (SF):	2.00
Effective Length of Trench with Safety Factor, L (LF):	353.50
Pipe Thickness (in):	-
Pipe Invert EL. (ft-NAVD):	-
Top of Trench EL. (ft-NAVD):	5.00
Bottom of Trench EL. (ft-NAVD):	0.00
Trench Height, H_T (ft):	5.00
Weir EL. (ft-NAVD):	5.44
Trench Width, W (ft):	3.00
P-1, P-2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head)**:	1.16E-04
Depth to Water Table, H_2 (ft):	3.98
Non-Saturated Trench Depth, D_U (ft):	3.54
Saturated Trench Depth, D_S (ft):	1.46
H_2W:	11.94
$2H_2D_U$:	28.18
D_U^2:	12.53
$2H_2D_S$:	11.62
$(1.39x10^{-4})WD_U$:	0.001476
d_2:	0.00
d_3:	0.00
K_{10}:	1.16E-04
K_{15}:	1.16E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	2.13
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	N/A*
$D_U > D_S$ and $W < 2H_T$(Yes/No):	Yes
Treatment Volume Provided, V (Ac-ft):	**0.18**

***Note: Hydraulic Conductivity was taken from FPID 433489-1-52-01 (Engineer's Report)*



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

SLAB COVERED TRENCH OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 2

Slab Covered Trench (ICPR Link Name): EX2S09A_2GW3/EX2S07_2GW3

Existing/Proposed: Existing

Pipe Size (in): -

1 /2 Length of Trench, *L* (LF) * : 176.75

Trench Height, H_T (ft): 5.00

Trench Width, *W* (ft): 3.00

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): 1.160E-04

Pipe Invert EL. (ft-NAVD): -

Top of Trench EL. (ft-NAVD): 5.00

Bottom of Trench EL. (ft-NAVD): 0.00

Weir EL. (ft-NAVD): 5.44

Upstream Structure Rim/Grate EL. (ft-NAVD): 7.64

SHGWT EL. (ft-NAVD): 1.46

Max Stage (ft-NAVD): *10.30*

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** 2.71

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.46	**1.46**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.46	**5.00**	3.54	1.46	3.54	0.00265	**0.4689**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.46	**10.30**	3.54	1.46	8.84	0.00880	**1.5555**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.71	**2.71**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.71	**5.00**	2.29	2.96	2.29	0.00218	**0.3855**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.71	**10.30**	2.29	2.96	7.59	0.00864	**1.5265**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

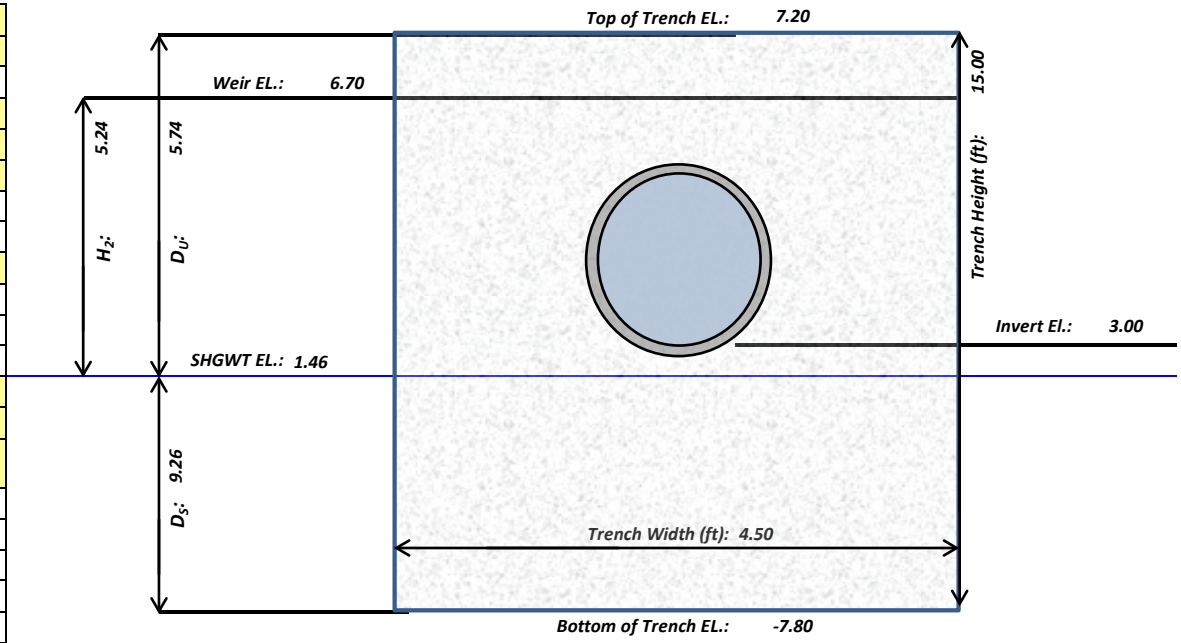
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.46	**1.46**	**0.0000**
1.46	**5.00**	**0.4689**
1.46	**10.30**	**1.5555**
2.71	**2.71**	**0.0000**
2.71	**5.00**	**0.3855**
2.71	**10.30**	**1.5265**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 2

French Drain (ICPR Link Name):	EX2S06_2GW4/EX2S09_2GW4
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.46
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	255.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	127.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	3.00
Top of Trench EL. (ft-NAVD):	7.20
Bottom of Trench EL. (ft-NAVD):	-7.80
Trench Height, H_T (ft):	15.00
Weir EL. (ft-NAVD):	6.70
Trench Width, W (ft):	4.50
P-1, P-2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head)**:	1.16E-04
Depth to Water Table, H_2 (ft):	5.24
Non-Saturated Trench Depth, D_U (ft):	5.74
Saturated Trench Depth, D_S (ft):	9.26
H_2W:	23.58
$2H_2D_U$:	60.16
D_U^2:	32.95
$2H_2D_S$:	97.04
$(1.39x10^{-4})WD_U$:	0.003590
d_2:	0.00
d_3:	0.00
K_{10}:	1.16E-04
K_{15}:	1.16E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	2.30
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.19**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

***Note: Hydraulic Conductivity was taken from FPID 433489-1-52-01 (Engineer's Report)*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 2

French Drain (ICPR Link Name):	**EX2S06_2GW4/EX2S09_2GW4**	**Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head):**	**1.160E-04**	**SHGWT EL. (ft-NAVD):**	**1.46**
Existing/Proposed:	**Existing**			***Max Stage (ft-NAVD):***	***8.94***
Pipe Size (in):	**24**	**Pipe Invert EL. (ft-NAVD):**	**3.00**	*Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.*	
1 /2 Length of French Drain, *L* (LF) * :	**63.75**	**Top of Trench EL. (ft-NAVD):**	**7.20**		
Trench Height, H_T (ft):	**15.00**	**Bottom of Trench EL. (ft-NAVD):**	**-7.80**		
Trench Width, *W* (ft):	**4.50**	**Weir EL. (ft-NAVD):**	**6.70**	**AYH EL. (ft-NAVD)**: Average Yearly Highest Ground Water Level**	**2.71**
** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*		**Upstream Structure Rim/Grate EL. (ft-NAVD):**	**2.43**	** - Per Miami-Dade Public Works Design Standard W.C. 2.1*	

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.46	**1.46**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.46	**7.20**	5.74	8.46	5.74	0.01509	**0.9619**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.46	**8.94**	5.74	8.46	7.48	0.02082	**1.3273**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.71	**2.50**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.71	**7.20**	4.49	9.96	4.49	0.01271	**0.8105**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.71	**8.94**	4.49	9.96	6.23	0.01855	**1.1824**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

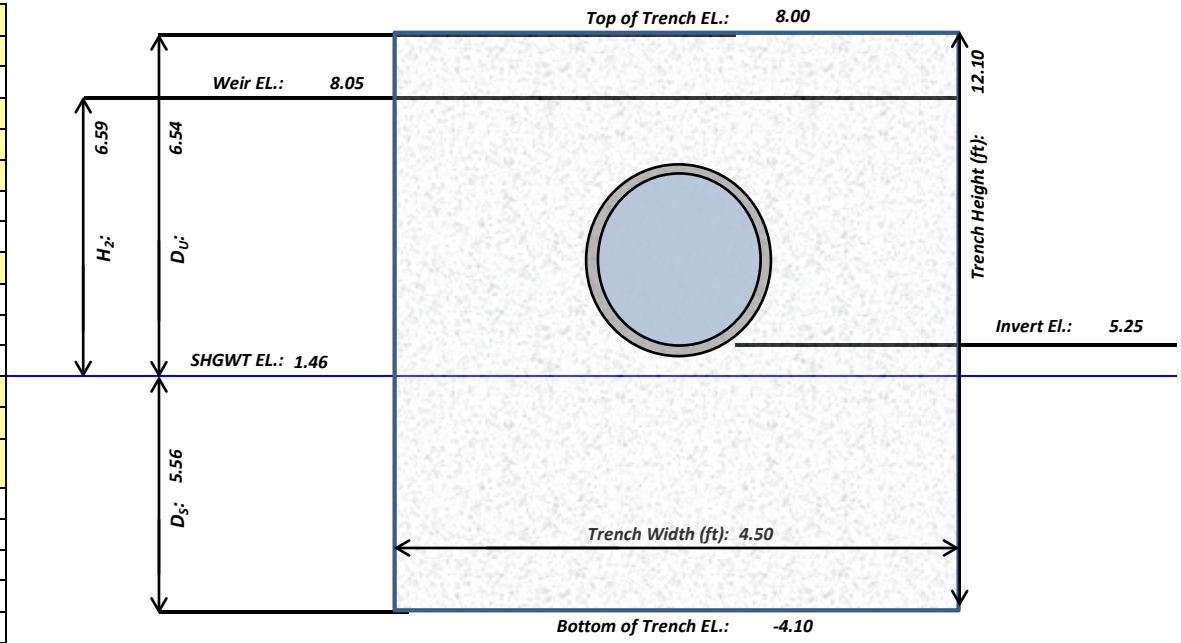
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.46	**1.46**	**0.0000**
1.46	**7.20**	**0.9619**
1.46	**8.94**	**1.3273**
2.71	**2.50**	**0.0000**
2.71	**7.20**	**0.8105**
2.71	**8.94**	**1.1824**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 2

French Drain (ICPR Link Name):	EX2S16_2GW5/EX2S18_2GW5
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.46
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	266.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	133.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	5.25
Top of Trench EL. (ft-NAVD):	8.00
Bottom of Trench EL. (ft-NAVD):	-4.10
Trench Height, H_T (ft):	12.10
Weir EL. (ft-NAVD):	8.05
Trench Width, W (ft):	4.50
P-1, P-2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head)**:	1.16E-04
Depth to Water Table, H_2 (ft):	6.59
Non-Saturated Trench Depth, D_U (ft):	6.54
Saturated Trench Depth, D_S (ft):	5.56
H_2W:	29.66
$2H_2D_U$:	86.20
D_U^2:	42.77
$2H_2D_S$:	73.28
$(1.39x10^{-4})WD_U$:	0.004091
d_2:	0.00
d_3:	0.00
K_{10}:	1.16E-04
K_{15}:	1.16E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	2.80
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	N/A*
$D_U > D_S$ and $W < 2H_T$(Yes/No):	Yes
Treatment Volume Provided, V (Ac-ft):	**0.23**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

***Note: Hydraulic Conductivity was taken from FPID 433489-1-52-01 (Engineer's Report)*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 2

French Drain (ICPR Link Name):	**EX2S16_2GW5/EX2S18_2GW5**	**Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head):**	**1.160E-04**	**SHGWT EL. (ft-NAVD):**	**1.46**
Existing/Proposed:	**Existing**			***Max Stage (ft-NAVD):***	***10.90***
Pipe Size (in):	**24**	**Pipe Invert EL. (ft-NAVD):**	**5.25**		
1 /2 Length of French Drain, *L* (LF) * :	**66.50**	**Top of Trench EL. (ft-NAVD):**	**8.00**		
Trench Height, H_T (ft):	**12.10**	**Bottom of Trench EL. (ft-NAVD):**	**-4.10**		
Trench Width, *W* (ft):	**4.50**	**Weir EL. (ft-NAVD):**	**8.05**	**AYH EL. (ft-NAVD)**: Average Yearly Highest Ground Water Level**	**2.71**
		Upstream Structure Rim/Grate EL. (ft-NAVD):	**2.43**		

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.46	**1.46**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.46	**8.00**	6.54	5.56	6.54	0.01340	**0.8909**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.46	**10.90**	6.54	5.56	9.44	0.02154	**1.4323**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.71	**2.50**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.71	**8.00**	5.29	7.06	5.29	0.01191	**0.7921**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.71	**10.90**	5.29	7.06	8.19	0.02022	**1.3446**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

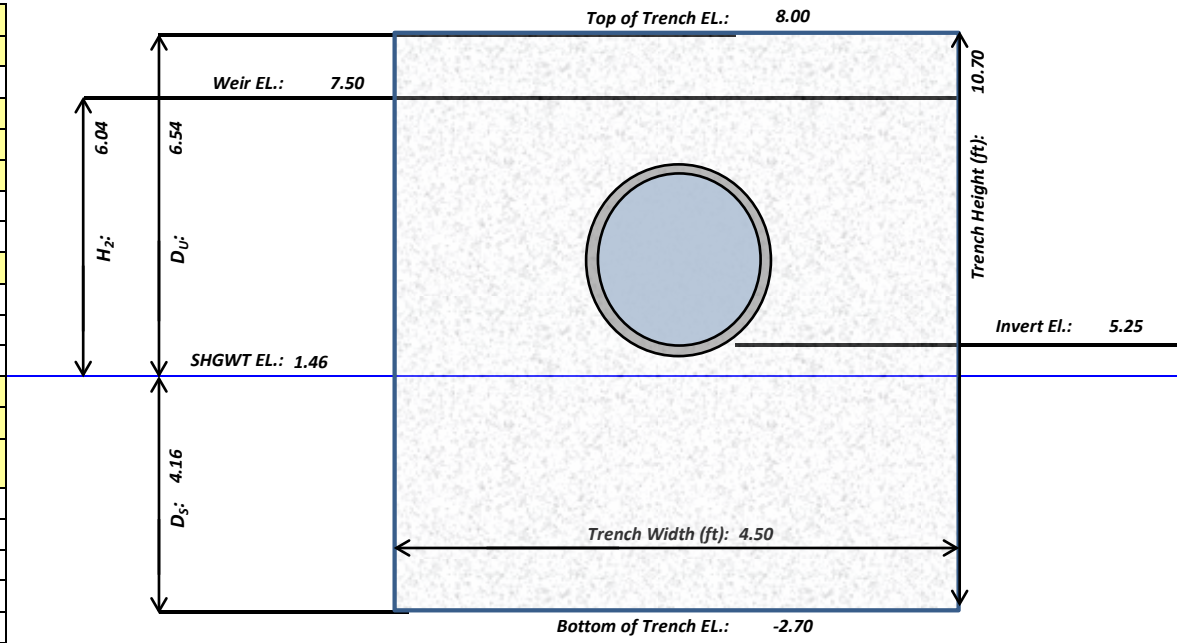
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.46	**1.46**	**0.0000**
1.46	**8.00**	**0.8909**
1.46	**10.90**	**1.4323**
2.71	**2.50**	**0.0000**
2.71	**8.00**	**0.7921**
2.71	**10.90**	**1.3446**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 2

French Drain (ICPR Link Name):	EX2S18_2GW6/EX2S20_2GW6
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.46
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	259.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	129.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	5.25
Top of Trench EL. (ft-NAVD):	8.00
Bottom of Trench EL. (ft-NAVD):	-2.70
Trench Height, H_T (ft):	10.70
Weir EL. (ft-NAVD):	7.50
Trench Width, W (ft):	4.50
P-1, P-2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head)**:	1.16E-04
Depth to Water Table, H_2 (ft):	6.04
Non-Saturated Trench Depth, D_U (ft):	6.54
Saturated Trench Depth, D_S (ft):	4.16
H_2W:	27.18
$2H_2D_U$:	79.00
D_U^2:	42.77
$2H_2D_S$:	50.25
$(1.39x10^{-4})WD_U$:	0.004091
d_2:	0.00
d_3:	0.00
K_{10}:	1.16E-04
K_{15}:	1.16E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	2.24
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	N/A*
$D_U > D_S$ and $W < 2H_T$(Yes/No):	Yes
Treatment Volume Provided, V (Ac-ft):	**0.19**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

***Note: Hydraulic Conductivity was taken from FPID 433489-1-52-01 (Engineer's Report)*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 2

French Drain (ICPR Link Name): EX2S18_2GW6/EX2S20_2GW6
Existing/Proposed: Existing
Pipe Size (in): 24
1 /2 Length of French Drain, *L* (LF) * : 64.75
Trench Height, H_T (ft): 10.70
Trench Width, *W* (ft): 4.50

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): 1.160E-04
Pipe Invert EL. (ft-NAVD): 5.25
Top of Trench EL. (ft-NAVD): 8.00
Bottom of Trench EL. (ft-NAVD): -2.70
Weir EL. (ft-NAVD): 7.50
Upstream Structure Rim/Grate EL. (ft-NAVD): 2.43

SHGWT EL. (ft-NAVD): 1.46
Max Stage (ft-NAVD): *10.90*
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** 2.71
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.46	**1.46**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.46	**8.00**	6.54	4.16	6.54	0.01127	**0.7300**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.46	**10.90**	6.54	4.16	9.44	0.01847	**1.1961**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.71	**2.50**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.71	**8.00**	5.29	5.66	5.29	0.01019	**0.6600**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.71	**10.90**	5.29	5.66	8.19	0.01756	**1.1370**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.46	**1.46**	**0.0000**
1.46	**8.00**	**0.7300**
1.46	**10.90**	**1.1961**
2.71	**2.50**	**0.0000**
2.71	**8.00**	**0.6600**
2.71	**10.90**	**1.1370**

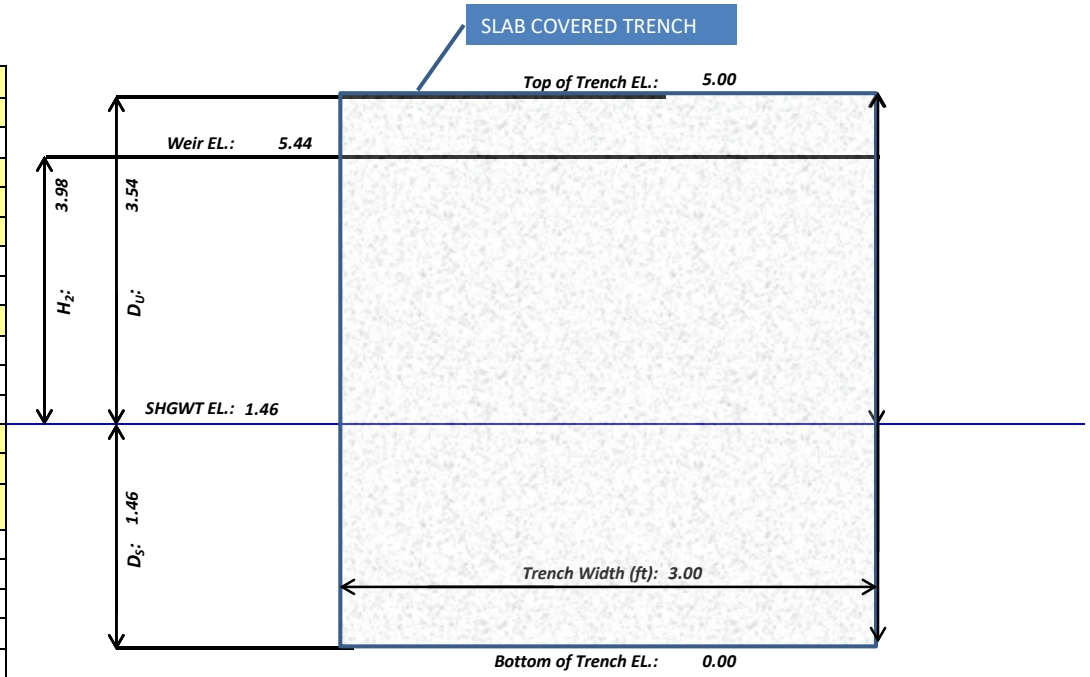
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

SLAB COVERED TRENCH DESIGN & TREATMENT VOLUMES

Drainage System: 2

Slab Covered Trench (ICPR Link Name):	EX2ES21_2GW7/EX2S23_2GW7
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.46
Pipe Size (in):	-
Effective Length of Trench, L (LF):	200.0
Safety Factor (SF):	2.00
Effective Length of Trench with Safety Factor, L (LF):	100.00
Pipe Thickness (in):	-
Pipe Invert EL. (ft-NAVD):	-
Top of Trench EL. (ft-NAVD):	5.00
Bottom of Trench EL. (ft-NAVD):	0.00
Trench Height, H_T (ft):	5.00
Weir EL. (ft-NAVD):	5.44
Trench Width, W (ft):	3.00
P-1, P-2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head)**:	1.16E-04
Depth to Water Table, H_2 (ft):	3.98
Non-Saturated Trench Depth, D_U (ft):	3.54
Saturated Trench Depth, D_S (ft):	1.46
H_2W:	11.94
$2H_2D_U$:	28.18
D_U^2:	12.53
$2H_2D_S$:	11.62
$(1.39x10^{-4})WD_U$:	0.001476
d_2:	0.00
d_3:	0.00
K_{10}:	1.16E-04
K_{15}:	1.16E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	0.60
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	N/A*
$D_U > D_S$ and $W < 2H_T$(Yes/No):	Yes
Treatment Volume Provided, V (Ac-ft):	**0.05**

***Note: Hydraulic Conductivity was taken from FPID 433489-1-52-01 (Engineer's Report)*



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

SLAB COVERED TRENCH OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 2

Slab Covered Trench (ICPR Link Name): EX2ES21_2GW7/EX2S23_2GW7

Existing/Proposed: Existing

Pipe Size (in): -

1 /2 Length of Trench, *L* (LF) * : 50.00

Trench Height, H_T (ft): 5.00

Trench Width, *W* (ft): 3.00

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): 1.160E-04

Pipe Invert EL. (ft-NAVD): -

Top of Trench EL. (ft-NAVD): 5.00

Bottom of Trench EL. (ft-NAVD): 0.00

Weir EL. (ft-NAVD): 5.44

Upstream Structure Rim/Grate EL. (ft-NAVD): 7.64

SHGWT EL. (ft-NAVD): 1.46

Max Stage (ft-NAVD): 7.70

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** 2.71

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.46	**1.46**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.46	**5.00**	3.54	1.46	3.54	0.00265	**0.1326**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.46	**7.70**	3.54	1.46	6.24	0.00578	**0.2892**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.71	**2.71**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.71	**5.00**	2.29	2.96	2.29	0.00218	**0.1090**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.71	**7.70**	2.29	2.96	4.99	0.00547	**0.2735**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.46	**1.46**	**0.0000**
1.46	**5.00**	**0.1326**
1.46	**7.70**	**0.2892**
2.71	**2.71**	**0.0000**
2.71	**5.00**	**0.1090**
2.71	**7.70**	**0.2735**

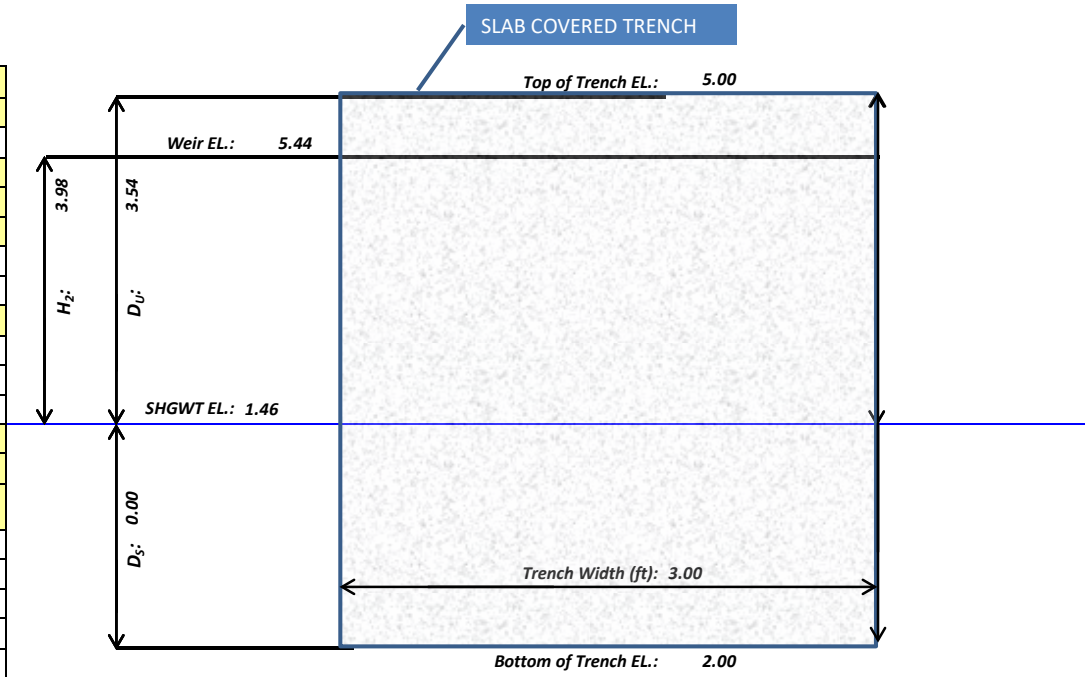
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

SLAB COVERED TRENCH DESIGN & TREATMENT VOLUMES

Drainage System: 2

Slab Covered Trench (ICPR Link Name):	**EX2S23_2GW8/EX2S24_2GW8**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.46**
Pipe Size (in):	**-**
Effective Length of Trench, *L* (LF):	**165.3**
Safety Factor (SF):	**2.00**
Effective Length of Trench with Safety Factor, *L* (LF):	**82.65**
Pipe Thickness (in):	-
Pipe Invert EL. (ft-NAVD):	-
Top of Trench EL. (ft-NAVD):	5.00
Bottom of Trench EL. (ft-NAVD):	2.00
Trench Height, H_T (ft):	3.00
Weir EL. (ft-NAVD):	5.44
Trench Width, *W* (ft):	3.00
P-1, P-2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):**	**1.16E-04**
Depth to Water Table, H_2 (ft):	3.98
Non-Saturated Trench Depth, D_U (ft):	3.54
Saturated Trench Depth, D_S (ft):	0.00
H_2W:	11.94
$2H_2D_U$:	28.18
D_U^2:	12.53
$2H_2D_S$:	0.00
$(1.39x10^{-4})WD_U$:	0.001476
d_2:	0.00
d_3:	0.00
K_{10}:	1.16E-04
K_{15}:	1.16E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	**0.39**
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	**N/A***
$D_U > D_S$ and $W < 2H_T$(Yes/No):	Yes
Treatment Volume Provided, *V* (Ac-ft):	**0.03**

***Note: Hydraulic Conductivity was taken from FPID 433489-1-52-01 (Engineer's Report)*



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

SLAB COVERED TRENCH OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 2

Slab Covered Trench (ICPR Link Name): EX2S23_2GW8/EX2S24_2GW8

Existing/Proposed: Existing

Pipe Size (in): -

1 /2 Length of Trench, *L* (LF) * : 41.33

Trench Height, H_T (ft): 3.00

Trench Width, *W* (ft): 3.00

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): 1.160E-04

Pipe Invert EL. (ft-NAVD): -

Top of Trench EL. (ft-NAVD): 5.00

Bottom of Trench EL. (ft-NAVD): 2.00

Weir EL. (ft-NAVD): 5.44

Upstream Structure Rim/Grate EL. (ft-NAVD): 7.64

SHGWT EL. (ft-NAVD): 1.46

Max Stage (ft-NAVD): *7.70*

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** 2.71

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.46	**1.46**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.46	**5.00**	3.54	-0.54	3.54	0.00101	**0.0417**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.46	**7.70**	3.54	-0.54	6.24	0.00289	**0.1194**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.71	**2.71**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.71	**5.00**	2.29	0.96	2.29	0.00112	**0.0462**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.71	**7.70**	2.29	0.96	4.99	0.00315	**0.1303**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

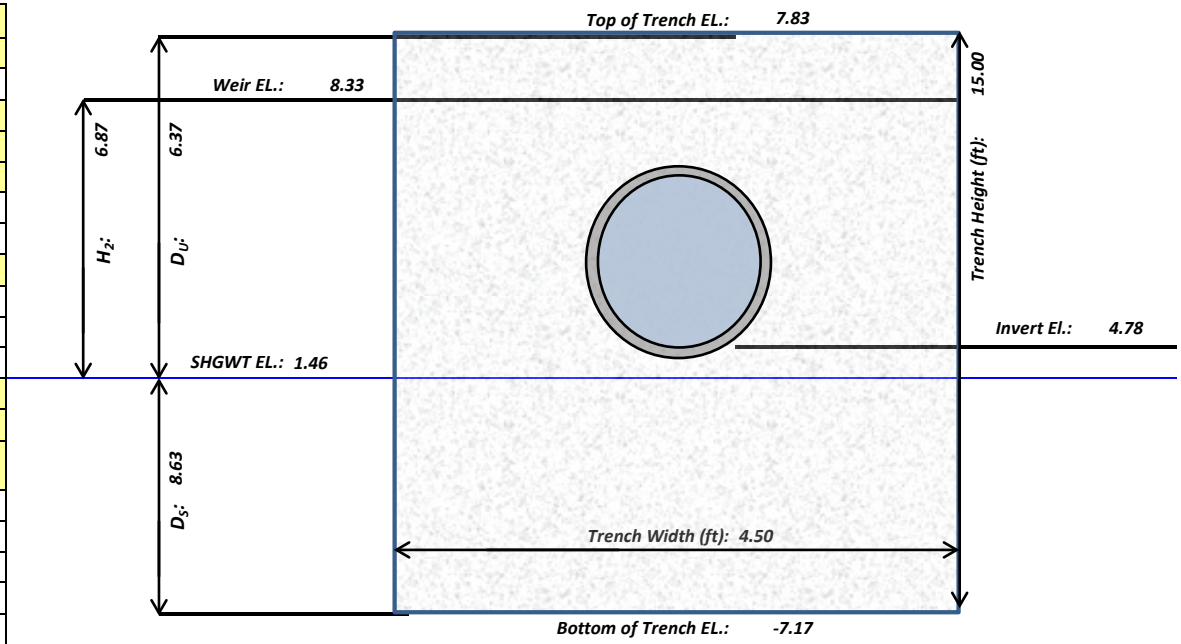
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.46	**1.46**	**0.0000**
1.46	**5.00**	**0.0417**
1.46	**7.70**	**0.1194**
2.71	**2.71**	**0.0000**
2.71	**5.00**	**0.0462**
2.71	**7.70**	**0.1303**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 2

French Drain (ICPR Link Name):	PR2S01_2GW1/PR2S02_2GW1
Existing/Proposed:	Proposed (Modified)
SHGWT EL. (ft-NAVD):	1.46
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	310.2
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	155.10
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	4.78
Top of Trench EL. (ft-NAVD):	7.83
Bottom of Trench EL. (ft-NAVD):	-7.17
Trench Height, H_T (ft):	15.00
Weir EL. (ft-NAVD):	8.33
Trench Width, W (ft):	4.50
P-1, P-2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head)**:	1.16E-04
Depth to Water Table, H_2 (ft):	6.87
Non-Saturated Trench Depth, D_U (ft):	6.37
Saturated Trench Depth, D_S (ft):	8.63
H_2W:	30.92
$2H_2D_U$:	87.52
D_U^2:	40.58
$2H_2D_S$:	118.58
$(1.39x10^{-4})WD_U$:	0.003984
d_2:	0.00
d_3:	0.00
K_{10}:	1.16E-04
K_{15}:	1.16E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	3.60
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.30**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

***Note: Hydraulic Conductivity was taken from FPID 433489-1-52-01 (Engineer's Report)*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 2

French Drain (ICPR Link Name): PR2S01_2GW1/PR2S02_2GW1
Existing/Proposed: Proposed (Modified)
Pipe Size (in): 24
1 /2 Length of French Drain, *L* (LF) * : 77.55
Trench Height, H_T (ft): 15.00
Trench Width, *W* (ft): 4.50

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): 1.160E-04
Pipe Invert EL. (ft-NAVD): 4.78
Top of Trench EL. (ft-NAVD): 7.83
Bottom of Trench EL. (ft-NAVD): -7.17
Weir EL. (ft-NAVD): 8.33
Upstream Structure Rim/Grate EL. (ft-NAVD): 2.43

SHGWT EL. (ft-NAVD): 1.46
Max Stage (ft-NAVD): *8.83*
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** 2.71

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.46	**1.46**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.46	**7.83**	6.37	8.46	6.37	0.01721	**1.3346**	$E = 2K_{10}D_U(D_U/2+d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.46	**8.83**	6.37	8.46	7.37	0.02065	**1.6014**	$E = 2K_{10}[D_U(D_P-D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.71	**2.50**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.71	**7.83**	5.12	9.96	5.12	0.01487	**1.1533**	$E = 2K_{10}D_U(D_U/2+d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.71	**8.83**	5.12	9.96	6.12	0.01837	**1.4246**	$E = 2K_{10}[D_U(D_P-D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

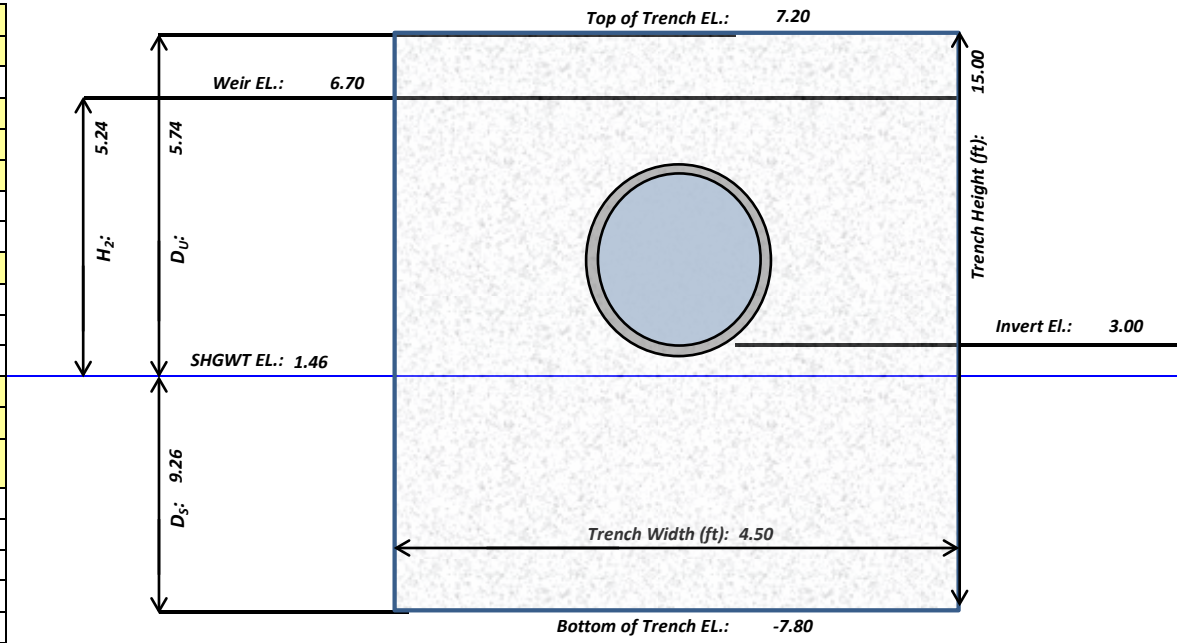
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.46	**1.46**	**0.0000**
1.46	**7.83**	**1.3346**
1.46	**8.83**	**1.6014**
2.71	**2.50**	**0.0000**
2.71	**7.83**	**1.1533**
2.71	**8.83**	**1.4246**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 2

French Drain (ICPR Link Name):	PR2S06_2GW4/PR2S09_2GW4
Existing/Proposed:	Proposed (Modified)
SHGWT EL. (ft-NAVD):	1.46
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	255.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	127.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	3.00
Top of Trench EL. (ft-NAVD):	7.20
Bottom of Trench EL. (ft-NAVD):	-7.80
Trench Height, H_T (ft):	15.00
Weir EL. (ft-NAVD):	6.70
Trench Width, W (ft):	4.50
P-1, P-2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head)**:	1.16E-04
Depth to Water Table, H_2 (ft):	5.24
Non-Saturated Trench Depth, D_U (ft):	5.74
Saturated Trench Depth, D_S (ft):	9.26
H_2W:	23.58
$2H_2D_U$:	60.16
D_U^2:	32.95
$2H_2D_S$:	97.04
$(1.39x10^{-4})WD_U$:	0.003590
d_2:	0.00
d_3:	0.00
K_{10}:	1.16E-04
K_{15}:	1.16E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	2.30
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.19**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

***Note: Hydraulic Conductivity was taken from FPID 433489-1-52-01 (Engineer's Report)*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 2

French Drain (ICPR Link Name): PR2S06_2GW4/PR2S09_2GW4
Existing/Proposed: Proposed (Modified)
Pipe Size (in): 24
1 /2 Length of French Drain, *L* (LF) * : 63.75
Trench Height, H_T (ft): 15.00
Trench Width, *W* (ft): 4.50

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): 1.160E-04
Pipe Invert EL. (ft-NAVD): 3.00
Top of Trench EL. (ft-NAVD): 7.20
Bottom of Trench EL. (ft-NAVD): -7.80
Weir EL. (ft-NAVD): 6.70
Upstream Structure Rim/Grate EL. (ft-NAVD): 2.43

SHGWT EL. (ft-NAVD): 1.46
Max Stage (ft-NAVD): *8.94*
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** 2.71
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.46	**1.46**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.46	**7.20**	5.74	8.46	5.74	0.01509	**0.9619**	$E = 2K_{10}D_U(D_U/2+d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.46	**8.94**	5.74	8.46	7.48	0.02082	**1.3273**	$E = 2K_{10}[D_U(D_P-D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.71	**2.50**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.71	**7.20**	4.49	9.96	4.49	0.01271	**0.8105**	$E = 2K_{10}D_U(D_U/2+d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.71	**8.94**	4.49	9.96	6.23	0.01855	**1.1824**	$E = 2K_{10}[D_U(D_P-D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

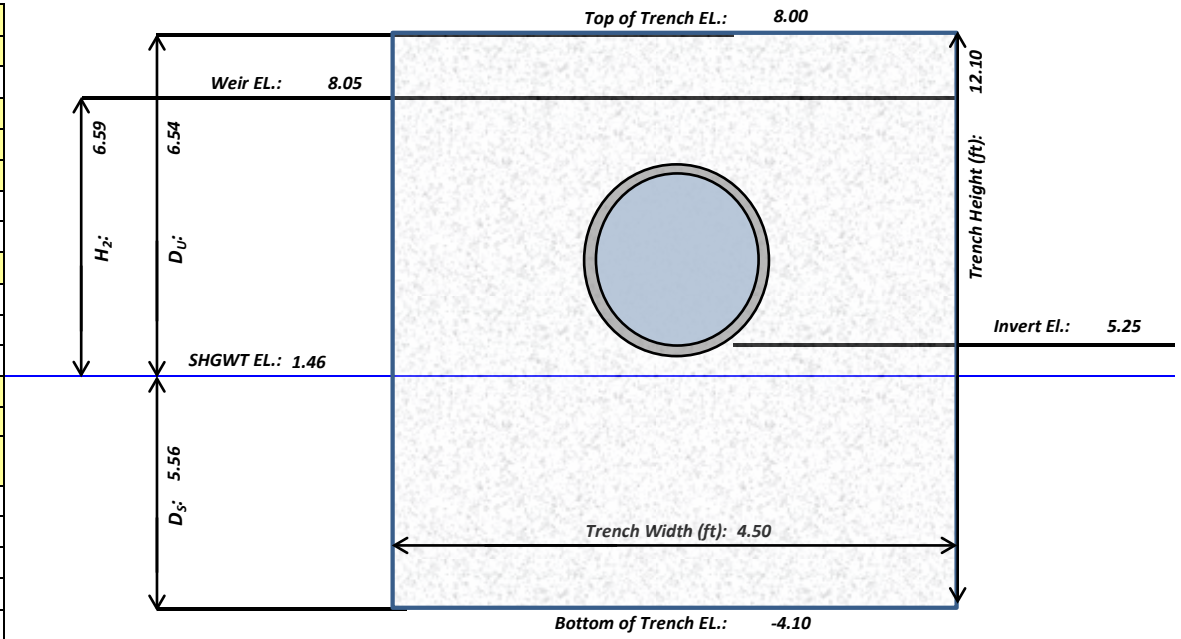
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.46	**1.46**	**0.0000**
1.46	**7.20**	**0.9619**
1.46	**8.94**	**1.3273**
2.71	**2.50**	**0.0000**
2.71	**7.20**	**0.8105**
2.71	**8.94**	**1.1824**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 2

French Drain (ICPR Link Name):	PR2S16_2GW5/PR2S18_2GW5
Existing/Proposed:	Proposed (Modified)
SHGWT EL. (ft-NAVD):	1.46
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	266.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	133.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	5.25
Top of Trench EL. (ft-NAVD):	8.00
Bottom of Trench EL. (ft-NAVD):	-4.10
Trench Height, H_T (ft):	12.10
Weir EL. (ft-NAVD):	8.05
Trench Width, W (ft):	4.50
P-1, P-2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head)**:	1.16E-04
Depth to Water Table, H_2 (ft):	6.59
Non-Saturated Trench Depth, D_U (ft):	6.54
Saturated Trench Depth, D_S (ft):	5.56
H_2W:	29.66
$2H_2D_U$:	86.20
D_U^2:	42.77
$2H_2D_S$:	73.28
$(1.39x10^{-4})WD_U$:	0.004091
d_2:	0.00
d_3:	0.00
K_{10}:	1.16E-04
K_{15}:	1.16E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	2.80
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	N/A*
$D_U > D_S$ and $W < 2H_T$(Yes/No):	Yes
Treatment Volume Provided, V (Ac-ft):	**0.23**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

***Note: Hydraulic Conductivity was taken from FPID 433489-1-52-01 (Engineer's Report)*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 2

French Drain (ICPR Link Name): PR2S16_2GW5/PR2S18_2GW5
Existing/Proposed: Proposed (Modified)
Pipe Size (in): 24
1 /2 Length of French Drain, *L* (LF) * : 66.50
Trench Height, H_T (ft): 12.10
Trench Width, *W* (ft): 4.50

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): 1.160E-04
Pipe Invert EL. (ft-NAVD): 5.25
Top of Trench EL. (ft-NAVD): 8.00
Bottom of Trench EL. (ft-NAVD): -4.10
Weir EL. (ft-NAVD): 8.05
Upstream Structure Rim/Grate EL. (ft-NAVD): 2.43

SHGWT EL. (ft-NAVD): 1.46
Max Stage (ft-NAVD): *10.90*
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** 2.71

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.46	**1.46**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.46	**8.00**	6.54	5.56	6.54	0.01340	**0.8909**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.46	**10.90**	6.54	5.56	9.44	0.02154	**1.4323**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.71	**2.50**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.71	**8.00**	5.29	7.06	5.29	0.01191	**0.7921**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.71	**10.90**	5.29	7.06	8.19	0.02022	**1.3446**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

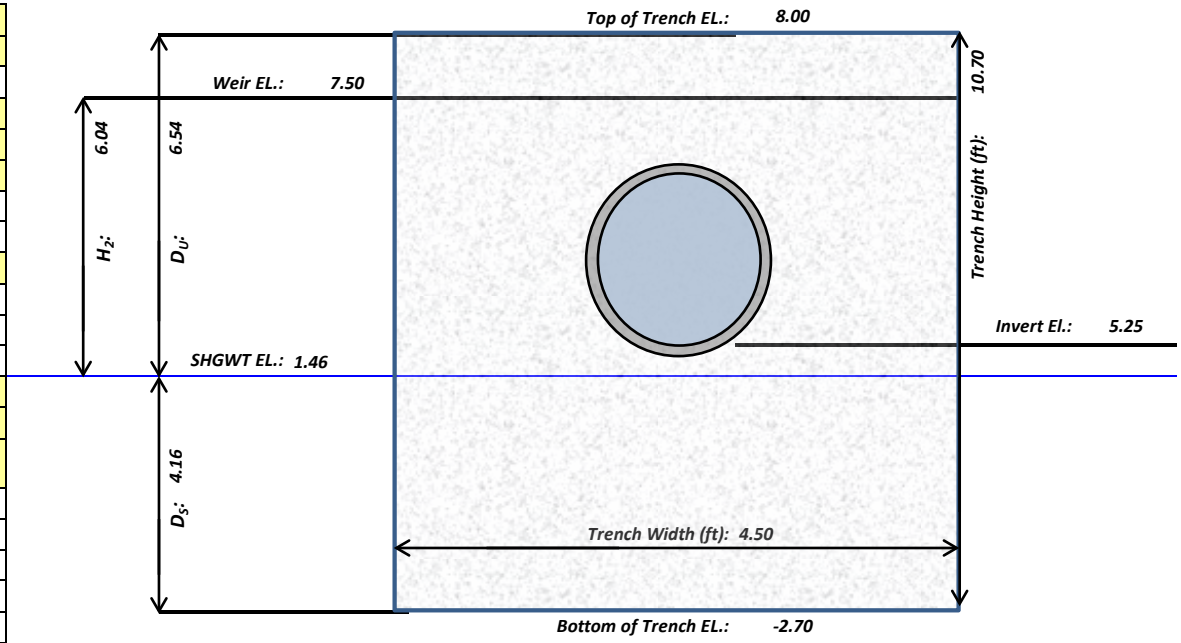
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.46	**1.46**	**0.0000**
1.46	**8.00**	**0.8909**
1.46	**10.90**	**1.4323**
2.71	**2.50**	**0.0000**
2.71	**8.00**	**0.7921**
2.71	**10.90**	**1.3446**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 2

French Drain (ICPR Link Name):	PR2S18_2GW6/PR2S20_2GW6
Existing/Proposed:	Proposed (Modified)
SHGWT EL. (ft-NAVD):	1.46
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	259.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	129.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	5.25
Top of Trench EL. (ft-NAVD):	8.00
Bottom of Trench EL. (ft-NAVD):	-2.70
Trench Height, H_T (ft):	10.70
Weir EL. (ft-NAVD):	7.50
Trench Width, W (ft):	4.50
P-1, P-2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head)**:	1.16E-04
Depth to Water Table, H_2 (ft):	6.04
Non-Saturated Trench Depth, D_U (ft):	6.54
Saturated Trench Depth, D_S (ft):	4.16
H_2W:	27.18
$2H_2D_U$:	79.00
D_U^2:	42.77
$2H_2D_S$:	50.25
$(1.39x10^{-4})WD_U$:	0.004091
d_2:	0.00
d_3:	0.00
K_{10}:	1.16E-04
K_{15}:	1.16E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	2.24
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	N/A*
$D_U > D_S$ and $W < 2H_T$(Yes/No):	Yes
Treatment Volume Provided, V (Ac-ft):	**0.19**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

***Note: Hydraulic Conductivity was taken from FPID 433489-1-52-01 (Engineer's Report)*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 2

French Drain (ICPR Link Name): PR2S18_2GW6/PR2S20_2GW6
Existing/Proposed: Proposed (Modified)
Pipe Size (in): 24
1 /2 Length of French Drain, *L* (LF) * : 64.75
Trench Height, H_T (ft): 10.70
Trench Width, *W* (ft): 4.50

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} ($cfs/ft^2/ft$-head): 1.160E-04
Pipe Invert EL. (ft-NAVD): 5.25
Top of Trench EL. (ft-NAVD): 8.00
Bottom of Trench EL. (ft-NAVD): -2.70
Weir EL. (ft-NAVD): 7.50
Upstream Structure Rim/Grate EL. (ft-NAVD): 2.43

SHGWT EL. (ft-NAVD): 1.46
Max Stage (ft-NAVD): *10.90*
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** 2.71
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.46	**1.46**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.46	**8.00**	6.54	4.16	6.54	0.01127	**0.7300**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.46	**10.90**	6.54	4.16	9.44	0.01847	**1.1961**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.71	**2.50**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.71	**8.00**	5.29	5.66	5.29	0.01019	**0.6600**	$E = 2K_{10}D_U(D_U/2 + d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.71	**10.90**	5.29	5.66	8.19	0.01756	**1.1370**	$E = 2K_{10}[D_U(D_P - D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

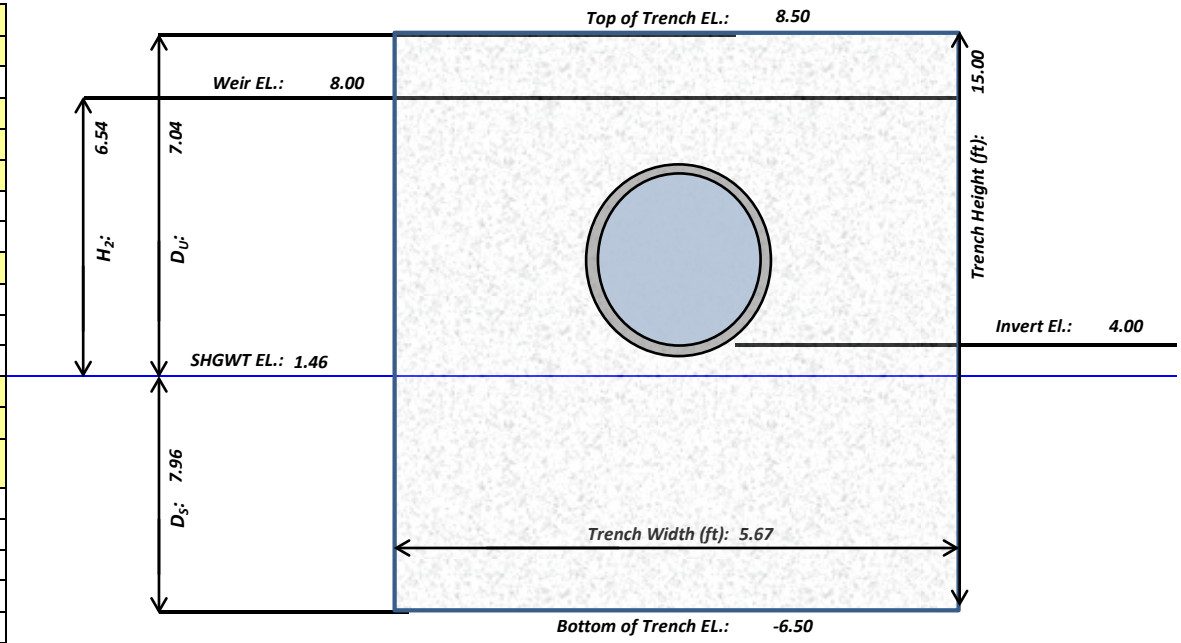
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.46	**1.46**	**0.0000**
1.46	**8.00**	**0.7300**
1.46	**10.90**	**1.1961**
2.71	**2.50**	**0.0000**
2.71	**8.00**	**0.6600**
2.71	**10.90**	**1.1370**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 2

French Drain (ICPR Link Name):	PR2S01_2GW9/PR2S02_2GW9
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.46
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	780.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	390.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	4.00
Top of Trench EL. (ft-NAVD):	8.50
Bottom of Trench EL. (ft-NAVD):	-6.50
Trench Height, H_T (ft):	15.00
Weir EL. (ft-NAVD):	8.00
Trench Width, W (ft):	5.67
P-1, P-2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head)**:	1.16E-04
Depth to Water Table, H_2 (ft):	6.54
Non-Saturated Trench Depth, D_U (ft):	7.04
Saturated Trench Depth, D_S (ft):	7.96
H_2W:	37.08
$2H_2D_U$:	92.08
D_U^2:	49.56
$2H_2D_S$:	104.12
$(1.39x10^{-4})WD_U$:	0.005548
d_2:	0.00
d_3:	0.00
K_{10}:	1.16E-04
K_{15}:	1.16E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	8.80
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.73**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 2

French Drain (ICPR Link Name): PR2S01_2GW9/PR2S02_2GW9
Existing/Proposed: Proposed
Pipe Size (in): 36
1 /2 Length of French Drain, *L* (LF) * : 195.00
Trench Height, H_T (ft): 15.00
Trench Width, *W* (ft): 5.67

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): 1.160E-04
Pipe Invert EL. (ft-NAVD): 4.00
Top of Trench EL. (ft-NAVD): 8.50
Bottom of Trench EL. (ft-NAVD): -6.50
Weir EL. (ft-NAVD): 8.00
Upstream Structure Rim/Grate EL. (ft-NAVD): 8.40

SHGWT EL. (ft-NAVD): 1.46
Max Stage (ft-NAVD): *9.80*
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** 2.71

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.46	**1.46**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.46	**8.50**	7.04	2.63	7.04	0.01004	**1.9587**	$E = 2K_{10}D_U(D_U/2+d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.46	**9.80**	7.04	2.63	8.34	0.01296	**2.5274**	$E = 2K_{10}[D_U(D_P-D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.71	**2.50**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.71	**8.50**	5.79	4.13	5.79	0.00944	**1.8401**	$E = 2K_{10}D_U(D_U/2+d_S) + 2K_{15}D_U d_2 + 2K_{20}D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.71	**9.80**	5.79	4.13	7.09	0.01243	**2.4235**	$E = 2K_{10}[D_U(D_P-D_U/2) + d_S D_P] + 2K_{15}D_P d_2 + 2K_{20}D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.46	**1.46**	**0.0000**
1.46	**8.50**	**1.9587**
1.46	**9.80**	**2.5274**
2.71	**2.50**	**0.0000**
2.71	**8.50**	**1.8401**
2.71	**9.80**	**2.4235**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

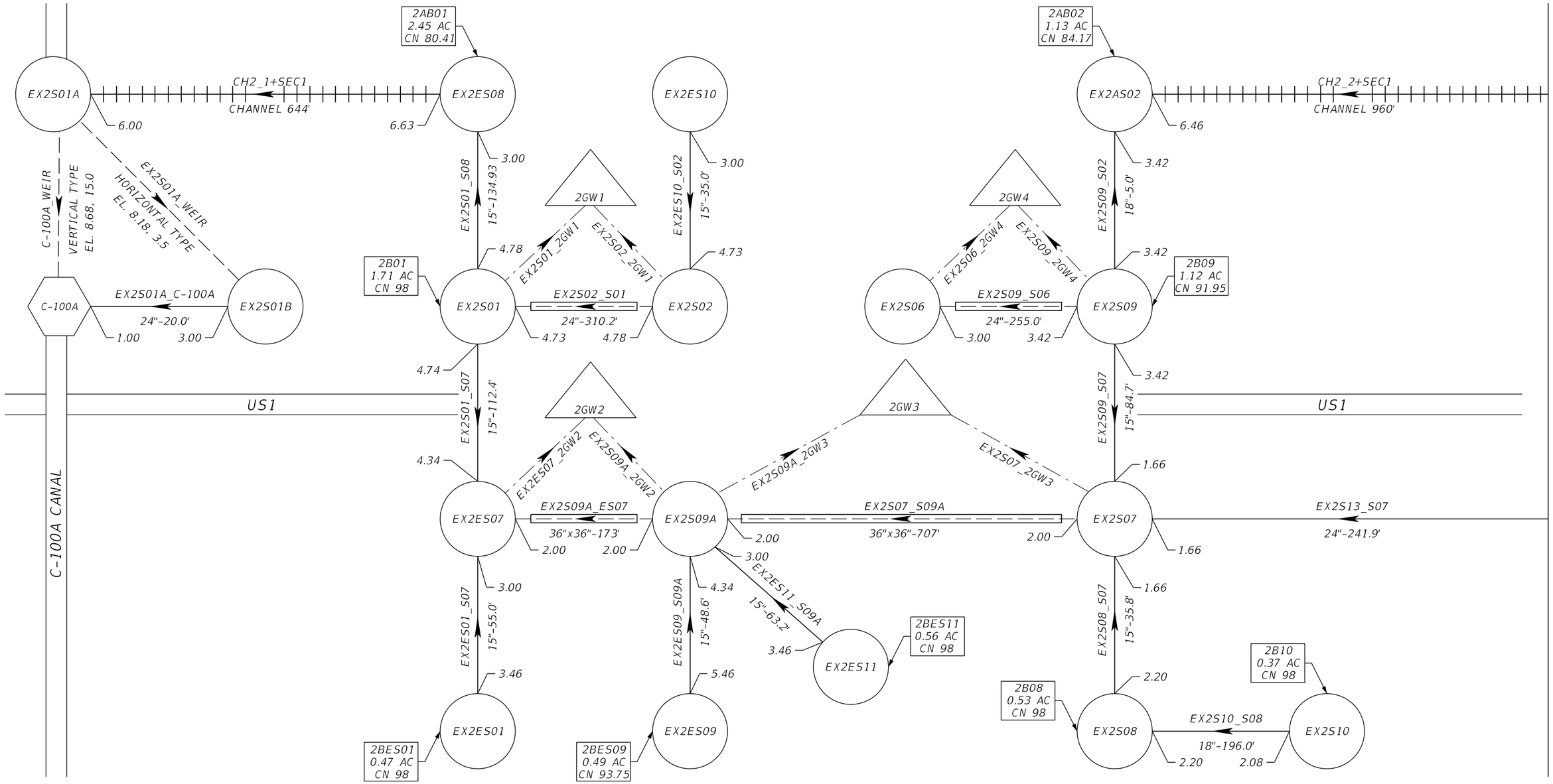
DRAINAGE SYSTEM SUMMARY TABLES

Drainage System: ***2***

Summary of Peak Discharges			
Receiving Waterbody:	**C-100A Canal**		
PRE-DEVELOPMENT			
ICPR Node	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
C-100A	0.00	11.14	0.90
PRE-DEVELOPMENT TOTALS:	**0.00**	**11.14**	**0.90**
POST-DEVELOPMENT			
ICPR Node	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
C-100A	0.00	9.75	0.00
POST-DEVELOPMENT TOTALS:	**0.00**	**9.75**	**0.00**
Pre-Post 25yr-72hr Peak Discharge Reduction (cfs):	***1.39***		

Summary of Peak Stages									
				PRE-DEVELOPMENT			POST-DEVELOPMENT		
Pond/ Swale/ FD #	**Type: [Wet/Dry, Det./Ret., FD]**	**Disposition [Exist./ Prop./ Modified]**	**Warning EL. [Min. Berm/ Min. EOP] (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**
POND 2E1	Dry	Exist.	11.44	9.84	10.44	10.44	9.84	10.44	10.44
POND 2E2	Dry	Exist.	11.44	9.84	10.54	10.53	9.84	10.54	10.53
EX2S01	FD	Exist.	8.83	6.78	10.17	8.22	-	-	-
EX2S02	FD	Exist.	8.91	6.77	10.15	8.21	-	-	-
EX2S06	FD	Exist.	8.83	6.77	9.12	8.24	-	-	-
EX2S09	FD	Exist.	9.33	6.77	9.13	8.24	-	-	-
EX2S16	FD	Exist.	10.90	6.84	9.17	8.27	-	-	-
EX2S18	FD	Exist.	11.55	6.84	9.18	8.27	-	-	-
EX2S20	FD	Exist.	12.29	6.85	9.19	8.28	-	-	-
PR2S01	FD	Exist./Prop.	8.83	-	-	-	6.27	10.00	7.65
PR2S02	FD	Exist./Prop.	8.91	-	-	-	6.26	9.98	7.64
PR2S06	FD	Exist./Prop.	8.83	-	-	-	6.21	8.87	7.60
PR2S09	FD	Exist./Prop.	9.33	-	-	-	6.21	8.87	7.61
PR2S16	FD	Exist./Prop.	10.90	-	-	-	6.21	8.90	7.61
PR2S18	FD	Exist./Prop.	11.55	-	-	-	6.21	8.90	7.61
PR2S20	FD	Exist./Prop.	12.29	-	-	-	6.21	8.92	7.61
PR2S33	FD	Prop.	9.50	-	-	-	6.20	8.88	7.60
PR2S34	FD	Prop.	9.50	-	-	-	6.21	8.88	7.60

Control Structure Summary Table - Proposed Conditions					
Control Structure:	**Disposition [Exist./ Prop./ Modified]**	**Weir Type/ Geometry**	**Weir EL. (ft-NAVD)**	**Bleeder Type/ Geometry**	**Bleeder Invert EL. (ft-NAVD)**
C-100A_WEIR	Exist.	Vertical/Borad Crested (Overland)	9.30	-	-
EX2S01A_WEIR	Exist.	Horizontal/ Rectangular	8.80	-	-



LEGEND

B-### #.## AC CN ##.# — CONTRIBUTING BASIN, BASIN NAME, BASIN AREA, CURVE NUMBER	NODE NAME — BOUNDARY NODE WITH CONSTANT TAILWATER	###-### ##"-###' #.## #.## — EXFILTRATION TRENCH LINK WITH SIZE-LENGTH, INVERT ELEVATION	####_WEIR VERTICAL TYPE EL. #.##, ## — WEIR LINK WITH WEIR TYPE, ELEVATION, WIDTH	###### CHANNEL ###' #.## #.## — CHANNEL LINK WITH LENGTH, INVERT ELEVATION
#-### — NODE NAME	NODE NAME — BOUNDARY NODE WITH VARIABLE TAILWATER	###-### (#)##"-###' #.## #.## — PIPE LINK WITH (QUANTITY)SIZE-LENGTH, INVERT ELEVATION	##_## — RATING CURVE LINK	

N.T.S.

1 OF 3

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

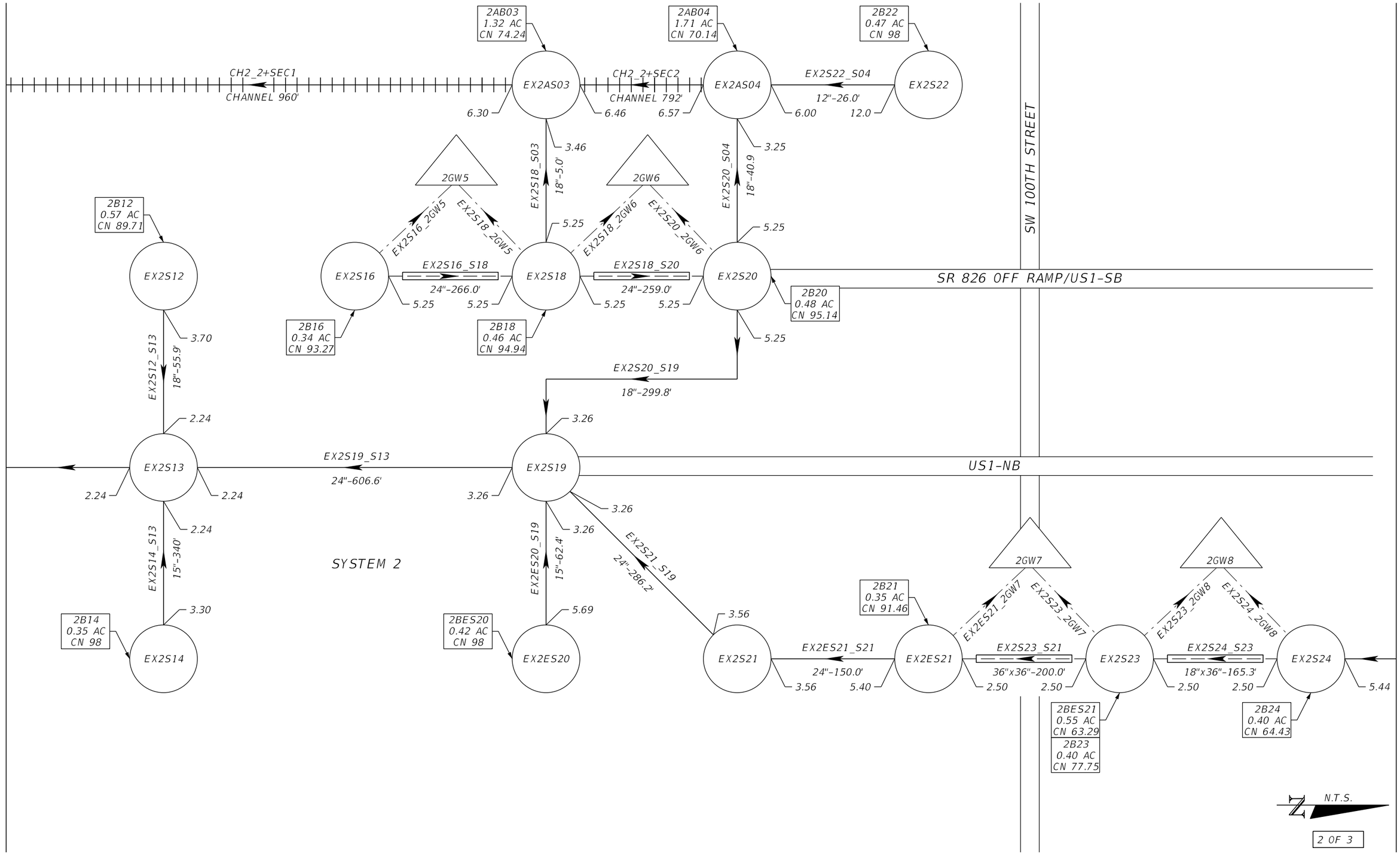
AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-1



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REVISIONS			
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AYLIN COSTA, P.E.
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

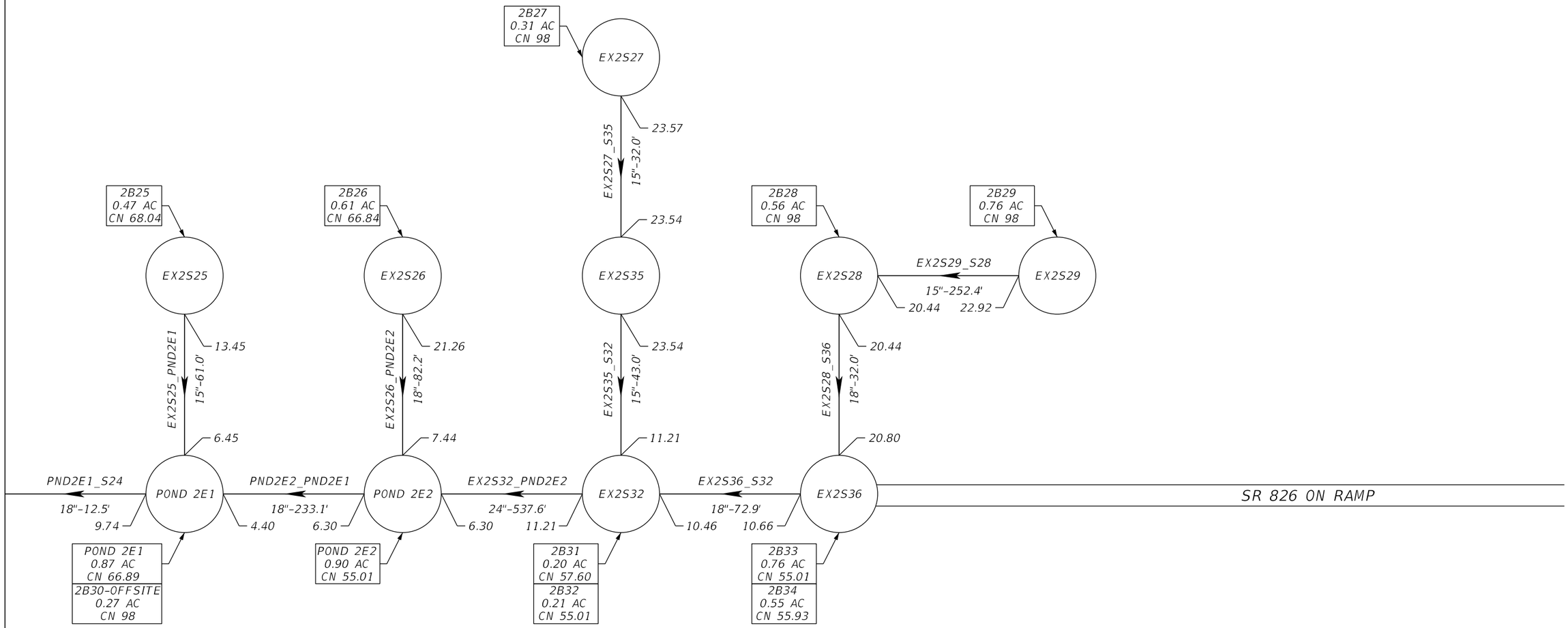
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-2

MATCHLINE B-B

SYSTEM 2



3 OF 3

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-3

Simple Basin: 2AB01

Scenario:	Scenario1
Node:	EX2ES08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.4500 ac
Curve Number:	80.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2AB02

Scenario:	Scenario1
Node:	EX2AS02
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1300 ac
Curve Number:	84.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2AB03

Scenario:	Scenario1
Node:	EX2AS03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3200 ac
Curve Number:	74.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2AB04

Scenario:	Scenario1
Node:	EX2AS04
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.7100 ac
Curve Number:	70.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B01

Scenario:	Scenario1
Node:	EX2S01
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.6500 ac
Curve Number:	91.4
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B08

Scenario:	Scenario1
Node:	EX2S08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B09

Scenario:	Scenario1
Node:	EX2S09
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1200 ac
Curve Number:	92.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B10

Scenario:	Scenario1
Node:	EX2S10
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B12

Scenario:	Scenario1
Node:	EX2S12
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5700 ac
Curve Number:	89.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B14

Scenario:	Scenario1
Node:	EX2S14
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B16

Scenario:	Scenario1
Node:	EX2S16
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3400 ac
Curve Number:	93.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B18

Scenario:	Scenario1
Node:	EX2S18
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4600 ac
Curve Number:	94.9
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B20

Scenario:	Scenario1
Node:	EX2S20
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4800 ac
Curve Number:	95.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B21

Scenario:	Scenario1
Node:	EX2ES21
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3500 ac
Curve Number:	91.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B22

Scenario:	Scenario1
Node:	EX2S22
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B23

Scenario:	Scenario1
Node:	EX2S23
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4000 ac
Curve Number:	77.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B24

Scenario:	Scenario1
Node:	EX2S24
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4000 ac
Curve Number:	64.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B25

Scenario:	Scenario1
Node:	EX2S25
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4700 ac
Curve Number:	68.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B26

Scenario:	Scenario1
Node:	EX2S26
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6100 ac
Curve Number:	66.8
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B27

Scenario:	Scenario1
Node:	EX2S27
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B28

Scenario:	Scenario1
Node:	EX2S28
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B29

Scenario:	Scenario1
Node:	EX2S29
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B30-OFFSITE

Scenario:	Scenario1
Node:	POND 2E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B31

Scenario:	Scenario1
Node:	EX2S32
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2000 ac
Curve Number:	57.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B32

Scenario:	Scenario1
Node:	EX2S32
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2100 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B33

Scenario:	Scenario1
Node:	EX2S36
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7600 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B34

Scenario:	Scenario1
Node:	EX2S36
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5500 ac
Curve Number:	55.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2BES01

Scenario:	Scenario1
Node:	EX2ES01
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2BES09

Scenario:	Scenario1
Node:	EX2ES09
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4900 ac
Curve Number:	93.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2BES11

Scenario:	Scenario1
Node:	EX2ES11
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2BES20

Scenario:	Scenario1
Node:	EX2ES20
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2BES21

Scenario:	Scenario1
Node:	EX2S23
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5500 ac
Curve Number:	63.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 2E1

Scenario:	Scenario1
Node:	POND 2E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8700 ac
Curve Number:	66.9
% Impervious:	0.00
% DCIA:	0.00

% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: POND 2E2

Scenario: Scenario1
Node: POND 2E2
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.9000 ac
Curve Number: 55.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Node: 2GW1

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 2GW1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 2GW2

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs

Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 2GW2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 2GW3

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 2GW3

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 2GW4

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 2GW4

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 2GW5

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs

Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 2GW5

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 2GW6

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 2GW6

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 2GW7

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 2GW7

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 2GW8

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs

Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 2GW8

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: C-100A

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.95 ft
Warning Stage: 3.95 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.95
0	0	0	999.0000	1.95

Comment: 1.95' TAKEN FROM FIELD VISIT

Node: EX2AS02

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.78 ft
Warning Stage: 9.78 ft

Stage [ft]	Area [ac]	Area [ft2]
2.78	0.0003	12
6.00	0.0330	1437
7.00	0.0800	3485
8.00	0.2000	8712
9.00	0.3300	14375

Comment: CHANNEL NODE

SWALE AREA ADDED AS STORAGE

Node: EX2AS03

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.46 ft
Warning Stage: 9.46 ft

Stage [ft]	Area [ac]	Area [ft2]
3.46	0.0003	12
6.00	0.1320	5750
7.00	0.1600	6970
8.00	0.4000	17424
9.00	0.6600	28750

Comment: SWALE NODE

SWALE AREA ADDED AS STORAGE

Node: EX2AS04

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.25 ft
Warning Stage: 9.57 ft

Stage [ft]	Area [ac]	Area [ft2]
3.25	0.0003	12
6.00	0.0330	1437
7.00	0.0800	3485
8.00	0.2000	8712
9.00	0.3300	14375

Comment: CHANNEL NODE

WARNING ELEVATION TAKEN AT BERM

Node: EX2ES01

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.46 ft
Warning Stage: 10.25 ft

Stage [ft]	Area [ac]	Area [ft2]
1.46	0.0003	12

Stage [ft]	Area [ac]	Area [ft2]
9.66	0.0003	12
9.67	0.0028	122

Comment:

Node: EX2ES07

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 10.77 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0030	131
5.00	0.0030	131
5.01	0.0009	39
10.77	0.0009	39
10.78	0.0090	392

Comment: MANHOLE RIM ELEVATION TAKEN FROM SURVEY

Node: EX2ES08

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 9.90 ft

Stage [ft]	Area [ac]	Area [ft2]
1.46	0.0014	61
6.50	0.0500	2178
7.00	0.1100	4792
8.00	0.2900	12632
9.00	0.4600	20038

Comment: DBI ELEVATION TAKEN FROM SURVEY

WARNING STAGE TAKEN AT BERM ELEVATION

ES-08 FRO FPID 433489-1-52-01

SWALE AREA ADDED AS STORAGE

Node: EX2ES09

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.46 ft
Warning Stage: 10.10 ft

Stage [ft]	Area [ac]	Area [ft2]
1.46	0.0003	12
9.66	0.0003	12
9.67	0.0028	122

Comment: ES-09 FROM FPID 433489-1-52-01

WARNING ELEVATION TAKEN AT SIDEWALK ELEVATION

Node: EX2ES10

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 9.59 ft

Stage [ft]	Area [ac]	Area [ft2]
2.50	0.0014	61
9.59	0.0014	61
9.60	0.0141	613

Comment: ELEVATION TAKEN FROM SURVEY

Node: EX2ES11

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.46 ft
Warning Stage: 10.10 ft

Stage [ft]	Area [ac]	Area [ft2]
1.46	0.0003	12
9.66	0.0003	12
9.67	0.0028	122

Comment:

Node: EX2ES20

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.69 ft
Warning Stage: 10.32 ft

Stage [ft]	Area [ac]	Area [ft2]
3.69	0.0003	12
9.89	0.0003	12
9.90	0.0028	122

Comment: ES-20 FROM FPID 433489-1-52-01

ELEVATION TAKEN FROM SURVEY

WARNING ELEVATION TAKEN FROM SIDEWALK

Node: EX2ES21

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.40 ft
Warning Stage: 10.50 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0034	148
5.00	0.0034	148
5.01	0.0003	13
9.19	0.0003	13
9.20	0.0028	122

Comment: ES-21 FROM FPID 433489-1-52-01

ELEVATION TAKEN FROM SURVEY

WARNING ELEVATION TAKEN FROM SIDEWALK

Node: EX2S01

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.73 ft
Warning Stage: 8.83 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.67	0.0080	348
8.33	0.0080	348
8.34	0.0003	12
8.83	0.0003	12
8.84	0.0028	122

Comment: S-01 FROM FPID 433489-1-52-01

Node: EX2S01A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 9.50 ft

Stage [ft]	Area [ac]	Area [ft2]
1.46	0.0003	14
8.18	0.0003	14
8.19	0.0032	140

Comment: CONTROL STUCTURE THAT DISCHARGES INTO C-100A CANAL

Node: EX2S01B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 9.50 ft

Stage [ft]	Area [ac]	Area [ft2]
1.46	0.0003	14
8.18	0.0003	14
8.19	0.0032	140

Comment:

Node: EX2S02

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.78 ft

Warning Stage: 8.91 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.67	0.0080	348
8.33	0.0080	348
8.34	0.0003	12
8.91	0.0003	12
8.92	0.0028	122

Comment: S-02 FROM FPID 433489-1-52-01

Node: EX2S06

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 8.83 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.80	0.0066	287
7.20	0.0066	287
7.21	0.0005	21
8.82	0.0005	21
8.83	0.0048	209

Comment: S-06 FROM FPID 433489-1-52-01

Node: EX2S07

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.66 ft
Warning Stage: 11.18 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0122	531
5.00	0.0122	531
5.01	0.0009	39
11.02	0.0009	39
11.03	0.0090	392

Comment: S-07 FROM FPID 433489-1-52-01

Node: EX2S08

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.20 ft
Warning Stage: 9.23 ft

Stage [ft]	Area [ac]	Area [ft2]
2.20	0.0003	12
9.23	0.0003	12
9.24	0.0028	122

Comment: S-08 FROM FPID 433489-1-52-01

Node: EX2S09

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.42 ft
Warning Stage: 9.33 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.80	0.0066	287
7.20	0.0066	287
7.21	0.0005	21
9.33	0.0005	21
9.34	0.0048	209

Comment: S-09 FROM FPID 433489-1-52-01

Node: EX2S09A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 11.02 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0152	660
5.00	0.0152	660
5.01	0.0009	39
11.02	0.0009	39
11.03	0.0090	392

Comment: MANHOLE RIM ELEVATION TAKEN FROM SURVEY

Node: EX2S10

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.08 ft
Warning Stage: 8.82 ft

Stage [ft]	Area [ac]	Area [ft2]
2.08	0.0003	12
8.82	0.0003	12
8.83	0.0028	122

Comment: S-10 FROM FPID 433489-1-52-01

Node: EX2S12

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.70 ft
Warning Stage: 10.25 ft

Stage [ft]	Area [ac]	Area [ft2]
1.07	0.0003	12
7.31	0.0003	12
7.32	0.0028	122

Comment: S-12 FROM FPID 433489-1-52-01

WARNING STAGE TAKEN AT BERM ELEVATION

Node: EX2S13

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 10.10 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0009	39
10.10	0.0009	39

Stage [ft]	Area [ac]	Area [ft2]
10.11	0.0090	392

Comment: S-13 FROM FPID 433489-1-52-01

Node: EX2S14

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.30 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.30	0.0003	12
8.73	0.0003	12
8.74	0.0028	122

Comment: S-14 FROM FPID 433489-1-52-01

WARNINING STAGE TAKEN AT SIDEWALK ELEVATION

Node: EX2S16

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.25 ft
Warning Stage: 10.90 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.45	0.0059	257
8.55	0.0059	257
8.56	0.0003	12
10.90	0.0003	12
10.91	0.0028	122

Comment: S-16 FROM FPID 433489-1-52-01

Node: EX2S18

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.25 ft

Warning Stage: 11.55 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.70	0.0131	570
8.00	0.0131	570
8.01	0.0006	24
11.55	0.0006	24
11.56	0.0056	244

Comment: S-18 FROM FPID 433489-1-52-01

Node: EX2S19

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.26 ft
Warning Stage: 11.56 ft

Stage [ft]	Area [ac]	Area [ft2]
1.25	0.0003	12
11.56	0.0003	12
11.57	0.0028	122

Comment: S-19 FROM FPID 433489-1-52-01

Node: EX2S20

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.25 ft
Warning Stage: 12.29 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.70	0.0072	314
8.00	0.0072	314
8.01	0.0003	12
12.29	0.0003	12
12.30	0.0028	122

Comment: S-20 FROM FPID 433489-1-52-01

Node: EX2S21

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.56 ft
Warning Stage: 11.39 ft

Stage [ft]	Area [ac]	Area [ft2]
3.51	0.0003	12
11.39	0.0003	12
11.40	0.0028	122

Comment: S-21 FROM FPID 433489-1-52-01

Node: EX2S22

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 18.72 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0003	12
18.72	0.0003	12
18.73	0.0028	122

Comment: DRAINAGE STRUCTURE FROM FIELD REVIEW

Node: EX2S23

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.40 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0063	274
5.00	0.0063	274
5.01	0.0006	24
8.00	0.0006	24
8.01	0.0056	244

Comment: GRATE ELEVATION INTERPOLATED BETWEEN EX2S08 AND EX327 WITH MIAMI-DADE DEM DATA

DBI DESIGN TAKEN FROM FDOT DRAINAGE DESIGN GUIDE 2019

WARNING STAGE TAKEN AT DITCH ELEVATION

Node: EX2S24

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0028	122
5.00	0.0028	122
5.01	0.0003	12
9.74	0.0003	12
9.75	0.0028	122

Comment: S-1 FROM FIN 87260-3512

WARNING STAGE TAKEN AT DITCH ELEVATION

Node: EX2S25

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.45 ft
Warning Stage: 16.90 ft

Stage [ft]	Area [ac]	Area [ft2]
13.44	0.0003	12
16.90	0.0003	12
16.91	0.0028	122

Comment: S-3 FROM FIN 87260-3512

Node: EX2S26

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 21.26 ft
Warning Stage: 27.96 ft

Stage [ft]	Area [ac]	Area [ft2]
21.26	0.0003	12
27.96	0.0003	12
27.97	0.0028	122

Comment: S-6 FROM FIN 87260-3512

Node: EX2S27

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 23.57 ft
Warning Stage: 27.75 ft

Stage [ft]	Area [ac]	Area [ft2]
23.75	0.0003	12
27.75	0.0003	12
27.76	0.0028	122

Comment: S-14 FROM FIN 87260-3512

Node: EX2S28

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.44 ft
Warning Stage: 24.22 ft

Stage [ft]	Area [ac]	Area [ft2]
20.44	0.0003	12
24.22	0.0003	12
24.23	0.0028	122

Comment: S-16 FROM FIN 87260-3512

Node: EX2S29

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 22.92 ft
Warning Stage: 27.42 ft

Stage [ft]	Area [ac]	Area [ft2]
20.77	0.0003	12
27.42	0.0003	12
27.43	0.0028	122

External Hydrograph

Comment: S-17 FROM FIN 87260-3512

Node: EX2S32

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.75 ft
Warning Stage: 13.50 ft

Stage [ft]	Area [ac]	Area [ft2]
6.75	0.0003	12
11.21	0.0003	12
11.22	0.0028	122

Comment: DOWNSTREAM SECTION OF S-13 FROM FIN 87260-3512

Node: EX2S35

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 23.54 ft
Warning Stage: 30.53 ft

Stage [ft]	Area [ac]	Area [ft2]
23.54	0.0003	12
30.53	0.0003	12
30.54	0.0028	122

Comment: UPSTREAM SECTION OF S-13 FROM FIN 87260-3512

Node: EX2S36

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 20.80 ft
Warning Stage: 26.50 ft

Stage [ft]	Area [ac]	Area [ft2]
10.66	0.0003	12
26.50	0.0003	12
26.51	0.0028	122

Comment: S-15 FROM FIN 87260-3512

Node: POND 2E1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.45 ft
Warning Stage: 11.45 ft

Stage [ft]	Area [ac]	Area [ft2]
5.45	0.0900	3920
6.45	0.1400	6098
7.45	0.2900	12632
11.45	0.8700	37897

Comment: FIN 87260-3512

Node: POND 2E2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.45 ft
Warning Stage: 11.45 ft

Stage [ft]	Area [ac]	Area [ft2]
5.45	0.0800	3485
6.45	0.1400	6098
7.45	0.2800	12197
11.45	0.9000	39204

Comment: FIN 87260-3512

Weir Link: C-100A_WEIR

Scenario: Scenario1

Bottom Clip

From Node:	EX2S01A
To Node:	C-100A
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	8.68 ft
Control Elevation:	8.68 ft
Max Depth:	3.50 ft
Extrapolation Method:	Normal Projection
Bottom Width:	15.00 ft
Left Slope:	4.000 (h:v)
Right Slope:	4.000 (h:v)

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: OVERLAND WEIR

Channel Link: CH2_1+SEC1

Scenario:	Scenario1
From Node:	EX2ES08
To Node:	EX2S01A
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	644.00 ft
Contraction Coef:	0.00
Expansion Coef:	0.00
Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 ft
Energy Switch:	Energy

Upstream		Downstream	
Invert:	6.63 ft	Invert:	6.00 ft
Manning's N:	0.0300	Manning's N:	0.0300
Geometry: Trapezoidal		Geometry: Trapezoidal	
Max Depth:	3.00 ft	Max Depth:	3.00 ft
Extrapolation:	Normal	Extrapolation:	Normal
Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Left Slope:	0.270 (h:v)	Left Slope:	0.270 (h:v)
Right Slope:	0.270 (h:v)	Right Slope:	0.270 (h:v)
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH2_2+SEC1

Scenario:	Scenario1
From Node:	EX2AS03
To Node:	EX2AS02
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	960.00 ft

Upstream		Downstream	
Invert:	6.46 ft	Invert:	6.30 ft
Manning's N:	0.0300	Manning's N:	0.0300
Geometry: Trapezoidal		Geometry: Trapezoidal	
Max Depth:	3.00 ft	Max Depth:	3.00 ft
Extrapolation:	Normal	Extrapolation:	Normal
Bottom Width:	3.00 ft	Bottom Width:	3.00 ft
Left Slope:	0.270 (h:v)	Left Slope:	0.270 (h:v)

Contraction Coef:	0.00	Right Slope:	0.270 (h:v)	Right Slope:	0.270 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH2_2+SEC2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.57 ft	Invert:	6.46 ft
From Node:	EX2AS04	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	EX2AS03	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	3.00 ft	Bottom Width:	3.00 ft
Length:	792.00 ft	Left Slope:	0.270 (h:v)	Left Slope:	0.270 (h:v)
Contraction Coef:	0.00	Right Slope:	0.270 (h:v)	Right Slope:	0.270 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX2ES01_S07		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.46 ft	Invert:	3.00 ft
From Node:	EX2ES01	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2ES07	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	55.10 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX2ES07_2GW2

Scenario:	Scenario1
From Node:	EX2ES07
To Node:	2GW2
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX2ES07_2GW2	1.46	EX2ES07	1.46	EX2ES07

Comment:

Pipe Link: EX2ES09_S09A

		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.46 ft	Invert:	4.34 ft
From Node:	EX2ES09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S09A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	48.60 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" PIPE

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Pipe Link: EX2ES10_S02

		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.73 ft	Invert:	3.00 ft
From Node:	EX2ES10	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S02	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	35.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" PIPE

FPID 433489-1-52-01

Pipe Link: EX2ES11_S09A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.46 ft	Invert:	3.00 ft
From Node:	EX2ES11	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S09A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	63.20 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" PIPE

Pipe Link: EX2ES20_S19		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.69 ft	Invert:	3.26 ft
From Node:	EX2ES20	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S19	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	62.40 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX2ES21_2GW7

Scenario: Scenario1
From Node: EX2ES21
To Node: 2GW7
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX2ES21_2GW7	1.46	EX2ES21	1.46	EX2ES21

Comment:

Pipe Link: EX2ES21_S21

Scenario: Scenario1
From Node: EX2ES21
To Node: EX2S21
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 150.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	5.40 ft	Invert:	3.56 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUME 24" PIPE

Weir Link: EX2S01A_WEIR

Scenario: Scenario1
From Node: EX2S01A
To Node: EX2S01B
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 8.18 ft
Control Elevation: 8.18 ft
Max Depth: 5.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	

Max Width:	3.50 ft		
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Pipe Link: EX2S01B_C-100A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.00 ft	Invert:	1.00 ft
From Node:	EX2S01B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	C-100A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	20.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" PIPE

FPID 433489-1-52-01

Rating Curve Link: EX2S01_2GW1	
Scenario:	Scenario1
From Node:	EX2S01
To Node:	2GW1
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX2S01_2GW1	1.46	EX2S01	1.46	EX2S01

Comment:

Pipe Link: EX2S01_S07		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.73 ft	Invert:	4.34 ft
From Node:	EX2S01	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2ES07	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	112.40 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" PIPE

FPID 433489-1-52-01

Pipe Link: EX2S01_S08		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.78 ft	Invert:	3.00 ft
From Node:	EX2S01	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2ES08	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	134.93 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" PIPE

FROM FPID 433489-1-52-01

Rating Curve Link: EX2S02_2GW1

Scenario:	Scenario1
From Node:	EX2S02
To Node:	2GW1
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX2S01_2GW1	1.46	EX2S02	1.46	EX2S02

Comment:

Pipe Link: EX2S02_S01		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.78 ft	Invert:	4.73 ft
From Node:	EX2S02	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S01	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	310.20 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" FD

FPID 433489-1-52-01

Rating Curve Link: EX2S06_2GW4

Scenario: Scenario1
From Node: EX2S06
To Node: 2GW4
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX2S06_2GW4	1.46	EX2S06	1.46	EX2S06

Comment:

Rating Curve Link: EX2S07_2GW3

Scenario: Scenario1
From Node: EX2S07
To Node: 2GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX2S09A_2GW3	1.46	EX2S07	1.46	EX2S07

Comment:

Pipe Link: EX2S07_S09A	Upstream	Downstream

Scenario:	Scenario1	Invert:	2.00 ft	Invert:	2.00 ft
From Node:	EX2S07	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S09A	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	707.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: SLAB-COVERED TRENCH FROM FPID 425513-1-52-01

Pipe Link: EX2S08_S07		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.20 ft	Invert:	1.66 ft
From Node:	EX2S08	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S07	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	35.80 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Rating Curve Link: EX2S09A_2GW2

Scenario:	Scenario1
From Node:	EX2S09A
To Node:	2GW2
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX2ES07_2GW2	1.46	EX2S09A	1.46	EX2S09A

Comment:

Rating Curve Link: EX2S09A_2GW3

Scenario: Scenario1
From Node: EX2S09A
To Node: 2GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX2S09A_2GW3	1.46	EX2S09A	1.46	EX2S09A

Comment:

Pipe Link: EX2S09A_ES07		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.00 ft	Invert:	2.00 ft
From Node:	EX2S09A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2ES07	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	173.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: SLAB-COVERED TRENCH FROM FPID 425513-1-52-01

Rating Curve Link: EX2S09_2GW4

Scenario: Scenario1
From Node: EX2S09
To Node: 2GW4
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX2S06_2GW4	1.46	EX2S09	1.46	EX2S09

Comment:

Pipe Link: EX2S09_S02	Upstream	Downstream

Scenario:	Scenario1	Invert:	3.42 ft	Invert:	3.42 ft
From Node:	EX2S09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2AS02	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	5.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: EX2S09_S06		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.42 ft	Invert:	3.00 ft
From Node:	EX2S09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S06	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	255.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" FD

FPID 433489-1-52-01

Pipe Link: EX2S09_S07		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.42 ft	Invert:	1.66 ft
From Node:	EX2S09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S07	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	84.70 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" PIPE

FPID 433489-1-52-01

Pipe Link: EX2S10_S08		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.08 ft	Invert:	2.20 ft
From Node:	EX2S10	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S08	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	196.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: EX2S12_S13		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.70 ft	Invert:	2.24 ft
From Node:	EX2S12	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S13	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	55.90 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 18" PIPE

FPID 433489-1-52-01

Pipe Link: EX2S13_S07		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.24 ft	Invert:	1.66 ft
From Node:	EX2S13	Manning's N:	0.1200	Manning's N:	0.1200
To Node:	EX2S07	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	241.90 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" PIPE

FPID 433489-1-52-01

Pipe Link: EX2S14_S13		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.30 ft	Invert:	2.24 ft
From Node:	EX2S14	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S13	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	340.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 15" PIPE

Rating Curve Link: EX2S16_2GW5

Scenario: Scenario1
From Node: EX2S16
To Node: 2GW5
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX2S16_2GW5	1.46	EX2S16	1.46	EX2S16

Comment:

Pipe Link: EX2S16_S18		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.25 ft	Invert:	5.25 ft
From Node:	EX2S16	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S18	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	266.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" FD

FPID 433489-1-52-01

Rating Curve Link: EX2S18_2GW5

Scenario: Scenario1
From Node: EX2S18
To Node: 2GW5
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX2S16_2GW5	1.46	EX2S18	1.46	EX2S18

Comment:

Rating Curve Link: EX2S18_2GW6

Scenario: Scenario1
From Node: EX2S18
To Node: 2GW6
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX2S18_2GW6	1.46	EX2S18	1.46	EX2S18

Comment:

Pipe Link: EX2S18_S03		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.25 ft	Invert:	3.46 ft
From Node:	EX2S18	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2AS03	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	5.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: EX2S18_S20		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.25 ft	Invert:	5.25 ft
From Node:	EX2S18	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S20	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	259.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" FD

FPID 433489-1-52-01

Pipe Link: EX2S19_S13		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.26 ft	Invert:	2.24 ft
From Node:	EX2S19	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S13	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	606.60 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" PIPE

FPID 433489-1-52-01

Rating Curve Link: EX2S20_2GW6

Scenario:	Scenario1
From Node:	EX2S20
To Node:	2GW6
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX2S18_2GW6	1.46	EX2S20	1.46	EX2S20

Comment:

Pipe Link: EX2S20_S04		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.25 ft	Invert:	3.25 ft
From Node:	EX2S20	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2AS04	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.90 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: EX2S20_S19		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.25 ft	Invert:	3.26 ft
From Node:	EX2S20	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S19	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	299.80 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 18" PIPE

FPID 433489-1-52-01

Pipe Link: EX2S21_S19		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.56 ft	Invert:	3.26 ft
From Node:	EX2S21	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S19	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	286.20 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" PIPE

FPID 433489-1-52-01

Pipe Link: EX2S22_S04		Upstream		Downstream	
Scenario:	Scenario1	Invert:	12.00 ft	Invert:	6.00 ft
From Node:	EX2S22	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2AS04	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	26.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 12" PIPE

FPID 433489-1-52-01

Rating Curve Link: EX2S23_2GW7

Scenario: Scenario1
From Node: EX2S23
To Node: 2GW7
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX2ES21_2GW7	1.46	EX2S23	1.46	EX2S23

Comment:

Rating Curve Link: EX2S23_2GW8

Scenario: Scenario1
From Node: EX2S23
To Node: 2GW8
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX2S23_2GW8	1.46	EX2S23	1.46	EX2S23

Comment:

Pipe Link: EX2S23_S21		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.50 ft	Invert:	2.50 ft
From Node:	EX2S23	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2ES21	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	200.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000

Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING SLAB COVERED TRENCH DRAIN

Rating Curve Link: EX2S24_2GW8

Scenario: Scenario1
From Node: EX2S24
To Node: 2GW8
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX2S23_2GW8	1.46	EX2S24	1.46	EX2S24

Comment:

Pipe Link: EX2S24_S23		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.50 ft	Invert:	2.50 ft
From Node:	EX2S24	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S23	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	1.50 ft	Max Width:	1.50 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	165.30 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: SLAB-COVERED TRENCH FROM FIN 87260-3512

Pipe Link: EX2S25_PND2E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	13.45 ft	Invert:	6.45 ft
From Node:	EX2S25	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 2E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	60.60 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" PIPE

FIN 87260-3512

Pipe Link: EX2S26_POND2E2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	21.26 ft	Invert:	7.44 ft
From Node:	EX2S26	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 2E2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	82.20 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: EX2S27_S35		Upstream		Downstream	
Scenario:	Scenario1	Invert:	23.57 ft	Invert:	23.54 ft
From Node:	EX2S27	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S35	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	32.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" PIPE

FIN 87260-3512

Pipe Link: EX2S28_S36		Upstream		Downstream	
Scenario:	Scenario1	Invert:	20.44 ft	Invert:	20.80 ft
From Node:	EX2S28	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S36	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	32.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 18" PIPE

FIN 87260-3512

Pipe Link: EX2S29_S28		Upstream		Downstream	
Scenario:	Scenario1	Invert:	22.92 ft	Invert:	20.44 ft
From Node:	EX2S29	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S28	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	252.40 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" PIPE

FIN 87260-3512

Pipe Link: EX2S32_PND2E2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	11.21 ft	Invert:	6.30 ft
From Node:	EX2S32	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 2E2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	537.60 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" PIPE

FIN 87260-3512

Pipe Link: EX2S35_S32		Upstream		Downstream	
Scenario:	Scenario1	Invert:	23.54 ft	Invert:	11.21 ft
From Node:	EX2S35	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S32	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	43.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" PIPE

FIN 87260-3512

Pipe Link: EX2S36_S32		Upstream		Downstream	
Scenario:	Scenario1	Invert:	10.66 ft	Invert:	10.46 ft
From Node:	EX2S36	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S32	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	72.90 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 18" PIPE

FIN 87260-3512

Pipe Link: PND2E1_S24		Upstream		Downstream	
Scenario:	Scenario1	Invert:	9.74 ft	Invert:	5.44 ft
From Node:	POND 2E1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S24	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	12.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: PND2E2_PND2E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.30 ft	Invert:	4.40 ft
From Node:	POND 2E2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 2E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	233.10 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Rating Curve: EX2ES07_2GW2

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	5.00	0.11
1.46	10.30	0.38
2.71	2.71	0.00
2.71	5.00	0.09
2.71	10.30	0.37

Comment:

Rating Curve: EX2ES21_2GW7

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	5.00	0.13
1.46	7.70	0.29
2.71	2.71	0.00
2.71	5.00	0.11
2.71	7.70	0.27

Comment:

Rating Curve: EX2S01_2GW1

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	7.83	1.33
1.46	8.83	1.60
2.71	2.50	0.00
2.71	7.83	1.15
2.71	8.83	1.42

Comment:

Rating Curve: EX2S06_2GW4

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	7.20	0.96
1.46	8.94	1.33
2.71	2.50	0.00
2.71	7.20	0.81
2.71	8.94	1.18

Comment:

Rating Curve: EX2S09A_2GW3

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	5.00	0.47
1.46	10.30	1.56
2.71	2.71	0.00
2.71	5.00	0.39
2.71	10.30	1.53

Comment:

Rating Curve: EX2S16_2GW5

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	8.00	0.89
1.46	10.90	1.43
2.71	2.50	0.00
2.71	8.00	0.79
2.71	10.90	1.34

Comment:

Rating Curve: EX2S18_2GW6

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	8.00	0.73
1.46	10.90	1.20
2.71	2.50	0.00
2.71	8.00	0.66
2.71	10.90	1.14

Comment:

Rating Curve: EX2S23_2GW8

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	5.00	0.11
1.46	7.70	0.24
2.71	2.71	0.00
2.71	5.00	0.09
2.71	7.70	0.23

Comment:

Simulation: 100Y-1H

Scenario: Scenario1
Run Date/Time: 8/20/2019 3:12:35 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 5.10 in
Storm Duration: 1.0000 hr
Dflt Damping (1D): 0.0050 ft

Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100Y-24H

Scenario: Scenario1
Run Date/Time: 8/20/2019 3:12:54 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.5000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Lookup Tables

Boundary Stage Set: 100YR-24HR

Reference ET Folder:		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	
		Roughness Set:	
		Crop Coef Set:	
		Fillable Porosity Set:	
		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	13.44 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100Y-8H

Scenario:	Scenario1
Run Date/Time:	8/20/2019 3:13:31 PM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000

Max Calculation Time: 60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 100YR-8HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-8
Rainfall Amount: 9.60 in
Storm Duration: 8.0000 hr

Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-1H

Scenario: Scenario1
Run Date/Time: 8/20/2019 3:13:51 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:		Boundary Stage Set:	
Reference ET Folder:		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	
		Roughness Set:	
		Crop Coef Set:	
		Fillable Porosity Set:	
		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.55 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-24H

Scenario:	Scenario1
Run Date/Time:	8/20/2019 3:14:04 PM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

Hydrology [sec]	Surface Hydraulics	Groundwater [sec]

		[sec]	
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 10YR-24HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-24

		Rainfall Amount:	8.88 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-8H

Scenario: Scenario1
Run Date/Time: 8/20/2019 3:14:33 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:	
Reference ET Folder:	
Unit Hydrograph Folder:	

Lookup Tables

Boundary Stage Set:	10YR-8HR
Extern Hydrograph Set:	
Curve Number Set:	
Green-Ampt Set:	
Vertical Layers Set:	
Impervious Set:	
Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	6.80 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25Y-72H

Scenario:	Scenario1
Run Date/Time:	8/20/2019 3:14:50 PM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 25YR-72HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global

Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	13.00 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
2GW1	100Y-1H	3.46	1.46	0.0000	3.92	0.00	0
2GW2	100Y-1H	3.46	1.46	0.0000	0.78	0.00	0
2GW3	100Y-1H	3.46	1.46	0.0000	3.17	0.00	0
2GW4	100Y-1H	3.46	1.46	0.0000	2.56	0.00	0
2GW5	100Y-1H	3.46	1.46	0.0000	1.97	0.00	0
2GW6	100Y-1H	3.46	1.46	0.0000	1.62	0.00	0
2GW7	100Y-1H	3.46	1.46	0.0000	0.90	0.00	0
2GW8	100Y-1H	3.46	1.46	0.0000	0.74	0.00	0
C-100A	100Y-1H	3.95	1.95	0.0000	6.49	0.00	0
EX2AS02	100Y-1H	9.78	8.54	0.0009	20.00	6.90	13792
EX2AS03	100Y-1H	9.46	8.50	0.0008	23.79	4.84	26715
EX2AS04	100Y-1H	9.57	8.51	0.0010	22.17	4.18	13206
EX2ES01	100Y-1H	10.25	10.59	0.0035	3.92	3.57	123
EX2ES07	100Y-1H	10.77	10.44	0.0064	7.36	5.67	667
EX2ES08	100Y-1H	9.90	8.50	0.0010	20.89	8.23	18326
EX2ES09	100Y-1H	10.10	10.58	0.0012	3.57	4.67	123
EX2ES10	100Y-1H	9.59	10.17	0.0047	5.30	1.14	613
EX2ES11	100Y-1H	10.10	10.68	0.0028	4.39	3.99	123
EX2ES20	100Y-1H	10.32	10.54	0.0011	3.29	4.31	123
EX2ES21	100Y-1H	10.50	10.48	0.0022	4.48	6.78	748
EX2S01	100Y-1H	8.83	10.19	0.0022	16.08	14.71	1117
EX2S01A	100Y-1H	9.50	8.45	0.0025	8.23	6.50	3366
EX2S01B	100Y-1H	9.50	4.07	0.0010	6.50	6.49	113
EX2S02	100Y-1H	8.91	10.17	0.0028	10.61	6.30	673
EX2S06	100Y-1H	8.83	8.71	0.0011	3.57	1.28	533
EX2S07	100Y-1H	11.18	10.43	0.0068	10.69	10.52	2848
EX2S08	100Y-1H	9.23	10.86	0.0021	6.31	5.88	181
EX2S09	100Y-1H	9.33	8.71	0.0011	16.31	16.08	788
EX2S09A	100Y-1H	11.02	10.44	0.0083	13.49	7.31	3316
EX2S10	100Y-1H	8.82	10.96	0.0021	2.90	2.39	159
EX2S12	100Y-1H	10.25	10.71	0.0022	3.82	3.41	123
EX2S13	100Y-1H	10.10	10.64	0.0022	5.59	5.21	1110
EX2S14	100Y-1H	10.00	10.99	0.0021	2.75	2.23	312
EX2S16	100Y-1H	10.90	8.50	0.0010	2.46	2.27	563
EX2S18	100Y-1H	11.55	8.50	0.0010	14.26	13.91	1096
EX2S19	100Y-1H	11.56	10.42	0.0035	10.10	9.90	1126
EX2S20	100Y-1H	12.29	8.51	0.0010	13.17	12.73	908
EX2S21	100Y-1H	11.39	10.46	0.0039	5.60	3.36	436
EX2S22	100Y-1H	18.72	13.44	0.0092	3.69	14.09	113
EX2S23	100Y-1H	11.00	10.48	0.0029	6.63	17.51	822
EX2S24	100Y-1H	11.00	10.48	0.0141	17.22	2.33	246
EX2S25	100Y-1H	16.90	14.06	0.0002	1.67	1.66	113
EX2S26	100Y-1H	27.96	21.90	0.0002	2.07	2.06	113
EX2S27	100Y-1H	27.75	24.47	0.0003	2.43	2.43	113
EX2S28	100Y-1H	24.22	22.78	0.0010	10.30	10.29	211
EX2S29	100Y-1H	27.42	24.80	0.0010	5.96	5.92	164

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX2S32	100Y-1H	13.50	12.98	0.0287	32.39	15.83	682
EX2S35	100Y-1H	30.53	24.28	0.0003	2.43	2.43	113
EX2S36	100Y-1H	26.50	20.80	0.0287	12.66	32.39	113
POND 2E1	100Y-1H	11.45	8.38	0.0005	12.88	0.00	18495
POND 2E2	100Y-1H	11.45	8.41	0.0004	19.59	5.11	19006
2GW1	100Y-24H	3.46	2.71	0.0002	2.64	0.00	0
2GW2	100Y-24H	3.46	2.71	0.0002	0.54	0.00	0
2GW3	100Y-24H	3.46	2.71	0.0002	2.19	0.00	0
2GW4	100Y-24H	3.46	2.71	0.0002	2.15	0.00	0
2GW5	100Y-24H	3.46	2.71	0.0002	1.74	0.00	0
2GW6	100Y-24H	3.46	2.71	0.0002	1.45	0.00	0
2GW7	100Y-24H	3.46	2.71	0.0002	0.63	0.00	0
2GW8	100Y-24H	3.46	2.71	0.0002	0.52	0.00	0
C-100A	100Y-24H	3.95	1.95	0.0000	0.90	0.00	0
EX2AS02	100Y-24H	9.78	8.26	0.0005	2.22	2.74	12111
EX2AS03	100Y-24H	9.46	8.27	0.0003	3.23	2.47	24013
EX2AS04	100Y-24H	9.57	8.28	0.0010	2.56	1.58	11874
EX2ES01	100Y-24H	10.25	8.23	0.0009	0.64	0.71	113
EX2ES07	100Y-24H	10.77	8.23	0.0041	1.56	2.60	667
EX2ES08	100Y-24H	9.90	8.25	0.0010	3.06	1.94	16436
EX2ES09	100Y-24H	10.10	8.23	0.0009	0.66	0.74	113
EX2ES10	100Y-24H	9.59	8.21	0.0021	0.48	0.06	113
EX2ES11	100Y-24H	10.10	8.23	0.0010	0.76	0.80	113
EX2ES20	100Y-24H	10.32	8.33	0.0004	0.57	0.59	113
EX2ES21	100Y-24H	10.50	8.34	0.0109	4.07	6.86	448
EX2S01	100Y-24H	8.83	8.22	0.0010	2.82	2.97	993
EX2S01A	100Y-24H	9.50	8.25	0.0021	1.44	0.90	3357
EX2S01B	100Y-24H	9.50	3.37	0.0003	0.90	0.90	113
EX2S02	100Y-24H	8.91	8.21	0.0010	1.35	1.32	659
EX2S06	100Y-24H	8.83	8.24	0.0010	1.12	1.08	532
EX2S07	100Y-24H	11.18	8.23	0.0051	2.72	3.72	2847
EX2S08	100Y-24H	9.23	8.24	0.0011	1.21	1.21	180
EX2S09	100Y-24H	9.33	8.24	0.0009	3.13	3.16	663
EX2S09A	100Y-24H	11.02	8.23	0.0059	3.71	2.60	3316
EX2S10	100Y-24H	8.82	8.24	0.0009	0.50	0.49	159
EX2S12	100Y-24H	10.25	8.33	0.0010	0.75	0.77	123
EX2S13	100Y-24H	10.10	8.32	0.0016	1.52	1.54	1094
EX2S14	100Y-24H	10.00	8.33	0.0007	0.47	0.46	205
EX2S16	100Y-24H	10.90	8.27	0.0012	1.29	0.87	523
EX2S18	100Y-24H	11.55	8.27	0.0016	2.71	3.84	1254
EX2S19	100Y-24H	11.56	8.32	0.0019	2.41	2.48	1128
EX2S20	100Y-24H	12.29	8.28	0.0010	2.89	2.82	900
EX2S21	100Y-24H	11.39	8.33	0.0026	2.17	2.10	440
EX2S22	100Y-24H	18.72	12.39	0.0010	0.64	0.64	113
EX2S23	100Y-24H	11.00	8.34	0.0120	6.71	17.48	998
EX2S24	100Y-24H	11.00	8.34	0.0703	17.20	2.77	374
EX2S25	100Y-24H	16.90	13.77	0.0001	0.51	0.51	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX2S26	100Y-24H	27.96	21.60	0.0001	0.65	0.65	113
EX2S27	100Y-24H	27.75	23.93	0.0001	0.42	0.42	113
EX2S28	100Y-24H	24.22	21.51	0.0009	1.78	1.78	211
EX2S29	100Y-24H	27.42	23.39	0.0002	1.03	1.03	163
EX2S32	100Y-24H	13.50	12.02	0.1429	32.33	3.78	685
EX2S35	100Y-24H	30.53	23.83	0.0001	0.42	0.42	113
EX2S36	100Y-24H	26.50	20.80	0.1429	2.91	32.33	113
POND 2E1	100Y-24H	11.45	10.44	0.0004	3.35	2.45	31540
POND 2E2	100Y-24H	11.45	10.53	0.0005	5.10	1.90	33009
2GW1	100Y-8H	3.46	2.71	0.0001	3.31	0.00	0
2GW2	100Y-8H	3.46	2.71	0.0001	0.68	0.00	0
2GW3	100Y-8H	3.46	2.71	0.0001	2.78	0.00	0
2GW4	100Y-8H	3.46	2.71	0.0001	2.55	0.00	0
2GW5	100Y-8H	3.46	2.71	0.0001	2.12	0.00	0
2GW6	100Y-8H	3.46	2.71	0.0001	1.78	0.00	0
2GW7	100Y-8H	3.46	2.71	0.0001	0.85	0.00	0
2GW8	100Y-8H	3.46	2.71	0.0001	0.71	0.00	0
C-100A	100Y-8H	3.95	1.95	0.0000	11.24	0.00	0
EX2AS02	100Y-8H	9.78	9.34	0.0007	11.55	5.37	16592
EX2AS03	100Y-8H	9.46	9.35	0.0005	16.68	5.07	32749
EX2AS04	100Y-8H	9.57	9.36	0.0010	11.24	3.35	16165
EX2ES01	100Y-8H	10.25	9.66	0.0009	1.91	1.86	113
EX2ES07	100Y-8H	10.77	9.61	0.0016	5.48	3.80	667
EX2ES08	100Y-8H	9.90	8.70	0.0010	13.82	11.25	19806
EX2ES09	100Y-8H	10.10	9.66	0.0007	1.97	1.93	113
EX2ES10	100Y-8H	9.59	9.48	0.0019	2.10	0.09	113
EX2ES11	100Y-8H	10.10	9.70	0.0010	2.27	2.23	123
EX2ES20	100Y-8H	10.32	10.14	0.0008	1.70	1.65	123
EX2ES21	100Y-8H	10.50	10.17	0.0022	5.12	6.78	448
EX2S01	100Y-8H	8.83	9.50	0.0010	8.36	8.32	1007
EX2S01A	100Y-8H	9.50	8.56	0.0014	11.25	11.24	3364
EX2S01B	100Y-8H	9.50	4.45	0.0010	11.24	11.24	113
EX2S02	100Y-8H	8.91	9.48	0.0010	3.78	2.91	665
EX2S06	100Y-8H	8.83	9.29	0.0010	1.76	1.28	532
EX2S07	100Y-8H	11.18	9.60	0.0010	7.08	6.73	2848
EX2S08	100Y-8H	9.23	9.77	0.0009	3.60	3.56	180
EX2S09	100Y-8H	9.33	9.30	0.0010	9.82	9.77	689
EX2S09A	100Y-8H	11.02	9.61	0.0018	5.32	6.42	3316
EX2S10	100Y-8H	8.82	9.81	0.0009	1.50	1.45	159
EX2S12	100Y-8H	10.25	10.18	0.0010	2.24	2.20	123
EX2S13	100Y-8H	10.10	10.15	0.0010	3.57	3.49	1101
EX2S14	100Y-8H	10.00	10.29	0.0010	1.42	1.37	213
EX2S16	100Y-8H	10.90	9.34	0.0010	1.68	1.34	523
EX2S18	100Y-8H	11.55	9.35	0.0010	8.50	7.82	1249
EX2S19	100Y-8H	11.56	10.09	0.0010	7.09	7.02	1054
EX2S20	100Y-8H	12.29	9.36	0.0010	8.95	8.88	906
EX2S21	100Y-8H	11.39	10.14	0.0010	3.32	3.20	383

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX2S22	100Y-8H	18.72	12.71	0.0010	1.91	1.91	113
EX2S23	100Y-8H	11.00	10.18	0.0029	6.63	17.51	998
EX2S24	100Y-8H	11.00	10.18	0.0141	17.22	1.36	374
EX2S25	100Y-8H	16.90	14.01	0.0001	1.42	1.42	113
EX2S26	100Y-8H	27.96	21.86	0.0002	1.80	1.80	113
EX2S27	100Y-8H	27.75	24.20	0.0002	1.26	1.26	113
EX2S28	100Y-8H	24.22	22.13	0.0008	5.35	5.35	211
EX2S29	100Y-8H	27.42	23.77	0.0003	3.08	3.08	164
EX2S32	100Y-8H	13.50	12.61	0.0287	32.39	10.47	682
EX2S35	100Y-8H	30.53	24.06	0.0002	1.26	1.26	113
EX2S36	100Y-8H	26.50	20.80	0.0287	8.28	32.39	113
POND 2E1	100Y-8H	11.45	10.05	0.0004	9.15	0.55	29094
POND 2E2	100Y-8H	11.45	10.06	0.0004	14.27	3.45	29844
2GW1	10Y-1H	3.46	1.46	0.0000	2.73	0.00	0
2GW2	10Y-1H	3.46	1.46	0.0000	0.53	0.00	0
2GW3	10Y-1H	3.46	1.46	0.0000	2.18	0.00	0
2GW4	10Y-1H	3.46	1.46	0.0000	2.10	0.00	0
2GW5	10Y-1H	3.46	1.46	0.0000	1.62	0.00	0
2GW6	10Y-1H	3.46	1.46	0.0000	1.33	0.00	0
2GW7	10Y-1H	3.46	1.46	0.0000	0.63	0.00	0
2GW8	10Y-1H	3.46	1.46	0.0000	0.52	0.00	0
C-100A	10Y-1H	3.95	1.95	0.0000	0.00	0.00	0
EX2AS02	10Y-1H	9.78	7.61	0.0009	10.72	3.10	8432
EX2AS03	10Y-1H	9.46	7.43	0.0010	14.23	2.90	14561
EX2AS04	10Y-1H	9.57	7.43	0.0010	6.44	2.35	7127
EX2ES01	10Y-1H	10.25	8.09	0.0024	2.77	3.07	113
EX2ES07	10Y-1H	10.77	8.03	0.0044	5.85	4.95	668
EX2ES08	10Y-1H	9.90	7.67	0.0010	11.16	5.00	11878
EX2ES09	10Y-1H	10.10	8.08	0.0008	2.36	3.26	113
EX2ES10	10Y-1H	9.59	7.94	0.0039	4.44	0.09	113
EX2ES11	10Y-1H	10.10	8.12	0.0020	3.02	3.37	113
EX2ES20	10Y-1H	10.32	8.14	0.0007	2.26	3.09	113
EX2ES21	10Y-1H	10.50	8.13	0.0022	3.54	6.78	748
EX2S01	10Y-1H	8.83	7.95	0.0010	10.78	9.98	1102
EX2S01A	10Y-1H	9.50	7.67	0.0018	5.00	0.61	3366
EX2S01B	10Y-1H	9.50	3.00	0.0000	0.00	0.00	113
EX2S02	10Y-1H	8.91	7.94	0.0011	8.30	5.40	672
EX2S06	10Y-1H	8.83	7.62	0.0010	2.93	1.05	533
EX2S07	10Y-1H	11.18	8.03	0.0061	8.79	6.38	2848
EX2S08	10Y-1H	9.23	8.18	0.0016	4.41	3.97	181
EX2S09	10Y-1H	9.33	7.62	0.0010	9.77	9.43	782
EX2S09A	10Y-1H	11.02	8.04	0.0045	9.76	4.84	3317
EX2S10	10Y-1H	8.82	8.22	0.0016	1.99	1.56	159
EX2S12	10Y-1H	10.25	8.19	0.0014	2.42	2.22	123
EX2S13	10Y-1H	10.10	8.17	0.0014	4.26	3.28	1109
EX2S14	10Y-1H	10.00	8.30	0.0013	1.89	1.46	307
EX2S16	10Y-1H	10.90	7.42	0.0010	1.76	1.56	574

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX2S18	10Y-1H	11.55	7.43	0.0010	10.58	10.44	1096
EX2S19	10Y-1H	11.56	8.09	0.0018	6.29	6.22	1126
EX2S20	10Y-1H	12.29	7.43	0.0010	9.25	9.08	907
EX2S21	10Y-1H	11.39	8.12	0.0019	3.41	2.03	416
EX2S22	10Y-1H	18.72	12.84	0.0019	2.53	2.53	113
EX2S23	10Y-1H	11.00	8.14	0.0029	6.63	17.51	822
EX2S24	10Y-1H	11.00	8.14	0.0141	17.22	0.77	246
EX2S25	10Y-1H	16.90	13.87	0.0001	0.82	0.82	113
EX2S26	10Y-1H	27.96	21.70	0.0001	1.00	1.00	113
EX2S27	10Y-1H	27.75	24.30	0.0003	1.67	1.67	113
EX2S28	10Y-1H	24.22	22.37	0.0010	7.03	7.11	211
EX2S29	10Y-1H	27.42	23.80	0.0009	4.10	4.06	164
EX2S32	10Y-1H	13.50	12.56	0.0287	32.39	9.72	688
EX2S35	10Y-1H	30.53	24.15	0.0003	1.67	1.67	113
EX2S36	10Y-1H	26.50	20.80	0.0287	7.82	32.39	113
POND 2E1	10Y-1H	11.45	7.59	0.0004	7.96	0.00	13540
POND 2E2	10Y-1H	11.45	7.59	0.0003	11.24	4.45	13689
2GW1	10Y-24H	3.46	2.71	0.0008	2.01	0.00	0
2GW2	10Y-24H	3.46	2.71	0.0008	0.39	0.00	0
2GW3	10Y-24H	3.46	2.71	0.0008	1.59	0.00	0
2GW4	10Y-24H	3.46	2.71	0.0008	1.61	0.00	0
2GW5	10Y-24H	3.46	2.71	0.0008	1.34	0.00	0
2GW6	10Y-24H	3.46	2.71	0.0008	1.11	0.00	0
2GW7	10Y-24H	3.46	2.71	0.0008	0.46	0.00	0
2GW8	10Y-24H	3.46	2.71	0.0008	0.38	0.00	0
C-100A	10Y-24H	3.95	1.95	0.0000	0.00	0.00	0
EX2AS02	10Y-24H	9.78	6.78	0.0006	0.92	1.01	5548
EX2AS03	10Y-24H	9.46	6.85	0.0003	4.17	1.14	10726
EX2AS04	10Y-24H	9.57	6.86	0.0010	1.51	1.07	4458
EX2ES01	10Y-24H	10.25	6.78	0.0010	0.42	0.54	113
EX2ES07	10Y-24H	10.77	6.77	0.0010	1.25	2.49	667
EX2ES08	10Y-24H	9.90	6.81	0.0010	1.88	1.50	7046
EX2ES09	10Y-24H	10.10	6.78	0.0007	0.43	0.57	113
EX2ES10	10Y-24H	9.59	6.77	0.0010	0.53	0.02	113
EX2ES11	10Y-24H	10.10	6.78	0.0006	0.50	0.57	113
EX2ES20	10Y-24H	10.32	6.86	0.0004	0.37	0.39	113
EX2ES21	10Y-24H	10.50	6.85	0.0022	1.00	6.78	748
EX2S01	10Y-24H	8.83	6.78	0.0010	2.81	2.76	994
EX2S01A	10Y-24H	9.50	6.79	0.0010	0.49	0.08	3348
EX2S01B	10Y-24H	9.50	3.00	0.0000	0.00	0.00	113
EX2S02	10Y-24H	8.91	6.77	0.0010	1.31	1.23	659
EX2S06	10Y-24H	8.83	6.77	0.0010	0.84	0.80	532
EX2S07	10Y-24H	11.18	6.77	0.0010	2.57	1.71	2846
EX2S08	10Y-24H	9.23	6.78	0.0010	0.80	0.79	180
EX2S09	10Y-24H	9.33	6.77	0.0010	1.70	1.68	655
EX2S09A	10Y-24H	11.02	6.77	0.0015	3.46	2.72	3316
EX2S10	10Y-24H	8.82	6.78	0.0010	0.33	0.35	159

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX2S12	10Y-24H	10.25	6.86	0.0010	0.49	0.56	113
EX2S13	10Y-24H	10.10	6.86	0.0010	1.28	0.94	1092
EX2S14	10Y-24H	10.00	6.86	0.0007	0.31	0.30	205
EX2S16	10Y-24H	10.90	6.84	0.0010	1.15	0.67	523
EX2S18	10Y-24H	11.55	6.84	0.0010	2.71	4.79	1242
EX2S19	10Y-24H	11.56	6.85	0.0010	1.70	1.48	1127
EX2S20	10Y-24H	12.29	6.85	0.0010	2.93	2.82	893
EX2S21	10Y-24H	11.39	6.85	0.0007	0.78	0.76	383
EX2S22	10Y-24H	18.72	12.31	0.0010	0.42	0.42	113
EX2S23	10Y-24H	11.00	6.85	0.0029	6.63	17.51	998
EX2S24	10Y-24H	11.00	6.85	0.0141	17.22	0.26	373
EX2S25	10Y-24H	16.90	13.69	0.0001	0.29	0.29	113
EX2S26	10Y-24H	27.96	21.51	0.0001	0.36	0.36	113
EX2S27	10Y-24H	27.75	23.86	0.0002	0.28	0.28	113
EX2S28	10Y-24H	24.22	21.37	0.0010	1.18	1.18	211
EX2S29	10Y-24H	27.42	23.30	0.0002	0.68	0.68	160
EX2S32	10Y-24H	13.50	12.02	0.0287	32.39	3.78	687
EX2S35	10Y-24H	30.53	23.77	0.0002	0.28	0.28	113
EX2S36	10Y-24H	26.50	20.80	0.0287	1.72	32.39	113
POND 2E1	10Y-24H	11.45	9.84	0.0004	1.93	0.06	27757
POND 2E2	10Y-24H	11.45	9.84	0.0002	3.78	0.90	28400
2GW1	10Y-8H	3.46	2.71	0.0003	2.64	0.00	0
2GW2	10Y-8H	3.46	2.71	0.0003	0.54	0.00	0
2GW3	10Y-8H	3.46	2.71	0.0003	2.22	0.00	0
2GW4	10Y-8H	3.46	2.71	0.0003	2.14	0.00	0
2GW5	10Y-8H	3.46	2.71	0.0003	1.74	0.00	0
2GW6	10Y-8H	3.46	2.71	0.0003	1.45	0.00	0
2GW7	10Y-8H	3.46	2.71	0.0003	0.64	0.00	0
2GW8	10Y-8H	3.46	2.71	0.0003	0.53	0.00	0
C-100A	10Y-8H	3.95	1.95	0.0000	2.00	0.00	0
EX2AS02	10Y-8H	9.78	8.34	0.0008	7.19	3.34	12622
EX2AS03	10Y-8H	9.46	8.35	0.0007	10.58	3.02	24962
EX2AS04	10Y-8H	9.57	8.36	0.0010	6.36	1.92	12336
EX2ES01	10Y-8H	10.25	8.33	0.0010	1.35	1.29	113
EX2ES07	10Y-8H	10.77	8.32	0.0011	2.60	2.80	667
EX2ES08	10Y-8H	9.90	8.31	0.0010	8.36	4.12	16846
EX2ES09	10Y-8H	10.10	8.33	0.0006	1.38	1.34	113
EX2ES10	10Y-8H	9.59	8.29	0.0027	3.00	0.08	113
EX2ES11	10Y-8H	10.10	8.33	0.0010	1.61	1.56	113
EX2ES20	10Y-8H	10.32	8.40	0.0009	1.21	1.13	113
EX2ES21	10Y-8H	10.50	8.41	0.0022	3.75	6.78	748
EX2S01	10Y-8H	8.83	8.31	0.0010	7.07	6.42	1007
EX2S01A	10Y-8H	9.50	8.30	0.0013	4.12	2.00	3364
EX2S01B	10Y-8H	9.50	3.58	0.0006	2.00	2.00	113
EX2S02	10Y-8H	8.91	8.29	0.0010	5.50	3.82	669
EX2S06	10Y-8H	8.83	8.33	0.0010	1.45	1.07	532
EX2S07	10Y-8H	11.18	8.33	0.0014	5.10	4.46	2848

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX2S08	10Y-8H	9.23	8.34	0.0010	2.53	2.49	180
EX2S09	10Y-8H	9.33	8.33	0.0010	6.44	6.40	684
EX2S09A	10Y-8H	11.02	8.32	0.0015	4.30	3.67	3316
EX2S10	10Y-8H	8.82	8.35	0.0010	1.06	1.01	159
EX2S12	10Y-8H	10.25	8.43	0.0010	1.55	1.47	123
EX2S13	10Y-8H	10.10	8.41	0.0010	2.44	2.37	1099
EX2S14	10Y-8H	10.00	8.47	0.0010	1.00	0.93	218
EX2S16	10Y-8H	10.90	8.35	0.0010	2.13	0.87	523
EX2S18	10Y-8H	11.55	8.35	0.0010	7.98	7.70	1243
EX2S19	10Y-8H	11.56	8.39	0.0010	4.91	4.83	1058
EX2S20	10Y-8H	12.29	8.36	0.0010	7.50	7.29	906
EX2S21	10Y-8H	11.39	8.40	0.0010	2.73	2.68	383
EX2S22	10Y-8H	18.72	12.58	0.0010	1.35	1.35	113
EX2S23	10Y-8H	11.00	8.42	0.0029	6.63	17.51	822
EX2S24	10Y-8H	11.00	8.42	0.0141	17.22	0.94	246
EX2S25	10Y-8H	16.90	13.88	0.0002	0.85	0.85	113
EX2S26	10Y-8H	27.96	21.72	0.0001	1.07	1.07	113
EX2S27	10Y-8H	27.75	24.09	0.0003	0.89	0.89	113
EX2S28	10Y-8H	24.22	21.88	0.0008	3.79	3.79	211
EX2S29	10Y-8H	27.42	23.62	0.0004	2.18	2.18	164
EX2S32	10Y-8H	13.50	12.30	0.0287	32.39	6.67	682
EX2S35	10Y-8H	30.53	23.98	0.0002	0.89	0.89	113
EX2S36	10Y-8H	26.50	20.80	0.0287	5.30	32.39	113
POND 2E1	10Y-8H	11.45	9.07	0.0003	5.54	0.00	22877
POND 2E2	10Y-8H	11.45	9.07	0.0002	8.76	2.44	23313
2GW1	25Y-72H	3.46	2.71	0.0003	3.66	0.00	0
2GW2	25Y-72H	3.46	2.71	0.0003	0.75	0.00	0
2GW3	25Y-72H	3.46	2.71	0.0003	3.08	0.00	0
2GW4	25Y-72H	3.46	2.71	0.0003	2.50	0.00	0
2GW5	25Y-72H	3.46	2.71	0.0003	2.07	0.00	0
2GW6	25Y-72H	3.46	2.71	0.0003	1.73	0.00	0
2GW7	25Y-72H	3.46	2.71	0.0003	0.92	0.00	0
2GW8	25Y-72H	3.46	2.71	0.0003	0.76	0.00	0
C-100A	25Y-72H	3.95	1.95	0.0000	11.14	0.00	0
EX2AS02	25Y-72H	9.78	9.16	0.0005	17.53	6.21	16547
EX2AS03	25Y-72H	9.46	9.18	0.0004	24.92	4.54	32668
EX2AS04	25Y-72H	9.57	9.19	0.0010	16.13	4.95	16129
EX2ES01	25Y-72H	10.25	10.44	0.0010	2.70	2.54	123
EX2ES07	25Y-72H	10.77	10.33	0.0013	5.03	3.42	664
EX2ES08	25Y-72H	9.90	8.70	0.0006	20.32	11.15	19777
EX2ES09	25Y-72H	10.10	10.44	0.0009	2.80	2.64	123
EX2ES10	25Y-72H	9.59	10.15	0.0010	0.88	0.87	613
EX2ES11	25Y-72H	10.10	10.50	0.0009	3.22	3.05	123
EX2ES20	25Y-72H	10.32	10.75	0.0009	2.41	2.29	123
EX2ES21	25Y-72H	10.50	10.73	0.0022	5.43	6.78	748
EX2S01	25Y-72H	8.83	10.17	0.0010	11.78	11.61	998
EX2S01A	25Y-72H	9.50	8.56	0.0019	11.15	11.14	3355

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX2S01B	25Y-72H	9.50	4.45	0.0010	11.14	11.14	113
EX2S02	25Y-72H	8.91	10.15	0.0010	2.86	2.62	659
EX2S06	25Y-72H	8.83	9.12	0.0010	1.61	1.25	532
EX2S07	25Y-72H	11.18	10.32	0.0010	9.24	9.16	2871
EX2S08	25Y-72H	9.23	10.63	0.0010	4.98	4.83	180
EX2S09	25Y-72H	9.33	9.13	0.0009	13.91	13.82	652
EX2S09A	25Y-72H	11.02	10.33	0.0015	5.68	6.03	3316
EX2S10	25Y-72H	8.82	10.70	0.0010	2.13	1.97	159
EX2S12	25Y-72H	10.25	10.87	0.0010	3.23	3.08	123
EX2S13	25Y-72H	10.10	10.81	0.0010	4.95	4.82	1088
EX2S14	25Y-72H	10.00	11.07	0.0010	2.01	1.87	205
EX2S16	25Y-72H	10.90	9.17	0.0010	1.94	1.66	523
EX2S18	25Y-72H	11.55	9.18	0.0010	9.61	9.29	1250
EX2S19	25Y-72H	11.56	10.66	0.0009	9.08	8.95	1128
EX2S20	25Y-72H	12.29	9.19	0.0010	11.70	11.58	870
EX2S21	25Y-72H	11.39	10.70	0.0009	4.63	4.32	440
EX2S22	25Y-72H	18.72	12.87	0.0010	2.70	2.70	113
EX2S23	25Y-72H	11.00	10.74	0.0029	6.63	17.51	998
EX2S24	25Y-72H	11.00	10.73	0.0141	17.22	3.76	373
EX2S25	25Y-72H	16.90	14.17	0.0002	2.30	2.29	113
EX2S26	25Y-72H	27.96	22.03	0.0002	2.94	2.94	113
EX2S27	25Y-72H	27.75	24.33	0.0002	1.78	1.78	113
EX2S28	25Y-72H	24.22	22.43	0.0010	7.85	7.58	211
EX2S29	25Y-72H	27.42	23.80	0.0010	4.37	4.73	164
EX2S32	25Y-72H	13.50	12.80	0.0287	32.39	16.84	659
EX2S35	25Y-72H	30.53	24.17	0.0003	1.78	1.78	113
EX2S36	25Y-72H	26.50	20.80	0.0287	12.89	32.39	113
POND 2E1	25Y-72H	11.45	10.44	0.0003	14.78	2.42	31513
POND 2E2	25Y-72H	11.45	10.54	0.0002	22.85	3.70	33051

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C-100A_WEIR	100Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
CH2_1+SEC1	100Y-1H	8.23	-0.58	-0.02	1.35	3.13	2.11
CH2_2+SEC1	100Y-1H	2.15	-6.90	0.06	-0.95	-3.51	-2.19
CH2_2+SEC2	100Y-1H	4.18	-0.08	-0.01	0.85	3.00	1.88
EX2ES01_S07	100Y-1H	3.57	-0.46	0.43	4.59	4.98	4.54
EX2ES07_2GW2	100Y-1H	0.39	0.00	-0.02	0.00	0.00	0.00
EX2ES09_S09A	100Y-1H	4.67	-0.02	0.71	5.09	7.60	6.00
EX2ES10_S02	100Y-1H	1.14	-5.30	-0.06	-4.32	-5.31	-4.75
EX2ES11_S09A	100Y-1H	3.99	-0.02	0.37	4.73	4.95	4.66
EX2ES20_S19	100Y-1H	4.31	0.00	0.66	4.91	8.68	6.38
EX2ES21_2GW7	100Y-1H	0.45	0.00	-0.02	0.00	0.00	0.00
EX2ES21_S21	100Y-1H	3.71	-1.26	-0.76	3.98	-1.90	2.58
EX2S01A_WEIR	100Y-1H	6.50	0.00	0.01	1.44	1.44	1.44
EX2S01B_C-100A	100Y-1H	6.49	0.00	0.03	4.72	14.98	9.85
EX2S01_2GW1	100Y-1H	1.96	0.00	0.00	0.00	0.00	0.00
EX2S01_S07	100Y-1H	4.51	-4.74	-0.15	-3.86	4.90	4.19
EX2S01_S08	100Y-1H	8.28	-2.76	0.48	6.75	6.75	6.75
EX2S02_2GW1	100Y-1H	1.96	0.00	0.00	0.00	0.00	0.00
EX2S02_S01	100Y-1H	0.00	-10.61	0.03	-3.38	-5.29	-4.11
EX2S06_2GW4	100Y-1H	1.28	0.00	0.00	0.00	0.00	0.00
EX2S07_2GW3	100Y-1H	1.58	0.00	-0.03	0.00	0.00	0.00
EX2S07_S09A	100Y-1H	2.92	-4.32	-1.98	-0.48	-0.48	-0.48
EX2S08_S07	100Y-1H	5.88	0.00	0.67	4.93	6.66	5.53
EX2S09A_2GW2	100Y-1H	0.39	0.00	-0.02	0.00	0.00	0.00
EX2S09A_2GW3	100Y-1H	1.58	0.00	-0.07	0.00	0.00	0.00
EX2S09A_ES07	100Y-1H	2.77	-5.56	2.39	-0.89	-1.69	-1.18
EX2S09_2GW4	100Y-1H	1.28	0.00	0.00	0.00	0.00	0.00
EX2S09_S02	100Y-1H	13.51	-4.65	0.13	7.64	7.64	7.64
EX2S09_S06	100Y-1H	3.57	0.00	0.06	2.75	3.82	3.17
EX2S09_S07	100Y-1H	4.63	-8.96	0.69	-7.30	-7.30	-7.30
EX2S10_S08	100Y-1H	2.39	-0.04	-0.06	1.35	1.68	1.46
EX2S12_S13	100Y-1H	3.41	0.00	0.38	3.87	4.52	3.47

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX2S13_S07	100Y-1H	1.78	0.00	0.01	0.57	0.57	0.57
EX2S14_S13	100Y-1H	2.23	0.00	0.05	3.03	2.76	2.54
EX2S16_2GW5	100Y-1H	0.98	0.00	0.00	0.00	0.00	0.00
EX2S16_S18	100Y-1H	1.57	-0.89	0.11	1.04	2.35	1.63
EX2S18_2GW5	100Y-1H	0.98	0.00	0.00	0.00	0.00	0.00
EX2S18_2GW6	100Y-1H	0.81	0.00	0.00	0.00	0.00	0.00
EX2S18_S03	100Y-1H	12.64	-2.69	1.68	7.59	24.52	14.93
EX2S18_S20	100Y-1H	1.11	-10.10	-0.29	-3.21	-4.18	-3.61
EX2S19_S13	100Y-1H	2.93	-4.48	0.29	2.22	2.00	1.75
EX2S20_2GW6	100Y-1H	0.81	0.00	0.00	0.00	0.00	0.00
EX2S20_S04	100Y-1H	3.87	-2.46	0.15	3.04	-3.26	-2.29
EX2S20_S19	100Y-1H	2.35	-9.90	0.21	-5.60	-5.60	-5.60
EX2S21_S19	100Y-1H	3.36	-3.54	0.59	-1.13	-1.98	-1.25
EX2S22_S04	100Y-1H	14.09	0.00	9.13	18.15	40.78	26.05
EX2S23_2GW7	100Y-1H	0.45	0.00	-0.02	0.00	0.00	0.00
EX2S23_2GW8	100Y-1H	0.37	0.00	-0.02	0.00	0.00	0.00
EX2S23_S21	100Y-1H	2.63	-6.63	-2.07	-0.79	-0.80	-0.79
EX2S24_2GW8	100Y-1H	0.37	0.00	-0.02	0.00	0.00	0.00
EX2S24_S23	100Y-1H	0.57	-17.22	0.68	-3.96	-7.18	-5.57
EX2S25_PND2E1	100Y-1H	1.66	0.00	0.02	3.52	11.16	7.34
EX2S26_PND2E2	100Y-1H	2.06	0.00	-0.02	3.59	13.27	8.43
EX2S27_S35	100Y-1H	2.43	0.00	0.00	2.57	3.22	2.89
EX2S28_S36	100Y-1H	10.29	0.00	-0.01	5.83	6.61	6.22
EX2S29_S28	100Y-1H	5.92	0.00	-1.09	5.39	4.83	4.83
EX2S32_PND2E2	100Y-1H	15.83	0.00	-0.13	6.56	8.01	7.28
EX2S35_S32	100Y-1H	2.43	0.00	-0.02	3.97	17.19	10.58
EX2S36_S32	100Y-1H	32.39	0.00	-0.09	18.33	18.83	18.58
PND2E1_S24	100Y-1H	0.00	-1.96	0.00	-1.11	-3.53	-2.32
PND2E2_PND2E1	100Y-1H	5.11	0.00	0.61	4.62	2.89	3.61
C-100A_WEIR	100Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
CH2_1+SEC1	100Y-24H	1.44	-0.29	0.09	0.78	1.68	1.08
CH2_2+SEC1	100Y-24H	1.76	-0.26	0.01	0.45	1.57	0.94
CH2_2+SEC2	100Y-24H	1.09	-0.02	-0.01	0.23	-0.24	0.22
EX2ES01_S07	100Y-24H	0.71	-0.01	-0.49	2.06	2.31	2.11
EX2ES07_2GW2	100Y-24H	0.27	0.00	0.02	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX2ES09_S09A	100Y-24H	0.74	0.00	0.55	2.39	3.59	2.83
EX2ES10_S02	100Y-24H	0.06	-0.48	0.01	0.91	-2.46	-1.42
EX2ES11_S09A	100Y-24H	0.80	-0.01	0.50	2.16	2.32	2.16
EX2ES20_S19	100Y-24H	0.59	0.00	0.35	2.23	1.15	1.50
EX2ES21_2GW7	100Y-24H	0.32	0.00	-0.02	0.00	0.00	0.00
EX2ES21_S21	100Y-24H	2.17	-0.70	-1.42	2.52	-2.52	-1.37
EX2S01A_WEIR	100Y-24H	0.90	0.00	0.00	0.75	0.75	0.75
EX2S01B_C-100A	100Y-24H	0.90	0.00	0.01	2.70	0.61	1.65
EX2S01_2GW1	100Y-24H	1.32	0.00	-0.02	0.00	0.00	0.00
EX2S01_S07	100Y-24H	0.75	-0.62	-0.27	2.60	2.70	2.44
EX2S01_S08	100Y-24H	0.00	-1.77	0.01	-1.44	-2.93	-1.83
EX2S02_2GW1	100Y-24H	1.32	0.00	0.03	0.00	0.00	0.00
EX2S02_S01	100Y-24H	0.00	-1.35	-0.03	-1.18	-2.94	-2.06
EX2S06_2GW4	100Y-24H	1.08	0.00	-0.02	0.00	0.00	0.00
EX2S07_2GW3	100Y-24H	1.10	0.00	-0.03	0.00	0.00	0.00
EX2S07_S09A	100Y-24H	2.78	-1.67	2.78	0.31	0.31	0.31
EX2S08_S07	100Y-24H	1.21	-0.09	-0.57	2.21	1.26	1.40
EX2S09A_2GW2	100Y-24H	0.27	0.00	-0.02	0.00	0.00	0.00
EX2S09A_2GW3	100Y-24H	1.10	0.00	-0.07	0.00	0.00	0.00
EX2S09A_ES07	100Y-24H	1.28	-2.42	2.42	-0.27	-0.86	-0.43
EX2S09_2GW4	100Y-24H	1.08	0.00	0.01	0.00	0.00	0.00
EX2S09_S02	100Y-24H	0.50	-2.74	0.17	-1.55	-2.01	-1.65
EX2S09_S06	100Y-24H	1.12	0.00	0.16	1.96	2.39	1.95
EX2S09_S07	100Y-24H	1.21	-1.04	-0.45	1.78	-2.02	-1.10
EX2S10_S08	100Y-24H	0.49	-0.01	-0.30	0.38	0.82	0.60
EX2S12_S13	100Y-24H	0.77	0.00	0.60	1.96	0.44	1.04
EX2S13_S07	100Y-24H	1.54	-0.28	0.10	0.49	0.49	0.49
EX2S14_S13	100Y-24H	0.46	0.00	-0.15	1.54	1.08	0.89
EX2S16_2GW5	100Y-24H	0.87	0.00	0.02	0.00	0.00	0.00
EX2S16_S18	100Y-24H	0.00	-1.02	-0.64	-1.18	-2.76	-1.96
EX2S18_2GW5	100Y-24H	0.87	0.00	0.00	0.00	0.00	0.00
EX2S18_2GW	100Y-24H	0.72	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
6							
EX2S18_S03	100Y-24H	2.30	-1.90	-2.03	2.03	-2.85	-1.69
EX2S18_S20	100Y-24H	0.55	-2.31	-0.34	-1.59	-3.20	-2.32
EX2S19_S13	100Y-24H	1.45	-0.96	-0.57	1.20	0.89	0.86
EX2S20_2GW6	100Y-24H	0.73	0.00	-0.01	0.00	0.00	0.00
EX2S20_S04	100Y-24H	0.01	-1.10	0.15	-0.62	-2.63	-1.51
EX2S20_S19	100Y-24H	0.69	-2.12	-0.13	2.30	-1.20	1.27
EX2S21_S19	100Y-24H	2.10	-0.77	-0.85	0.67	-0.71	0.67
EX2S22_S04	100Y-24H	0.64	0.00	-0.02	2.79	0.95	1.80
EX2S23_2GW7	100Y-24H	0.32	0.00	0.02	0.00	0.00	0.00
EX2S23_2GW8	100Y-24H	0.26	0.00	0.02	0.00	0.00	0.00
EX2S23_S21	100Y-24H	3.97	-6.71	-3.95	-0.80	-0.81	-0.80
EX2S24_2GW8	100Y-24H	0.26	0.00	0.01	0.00	0.00	0.00
EX2S24_S23	100Y-24H	2.53	-17.20	2.16	-3.96	-7.18	-5.57
EX2S25_PND2E1	100Y-24H	0.51	0.00	0.00	2.51	0.74	1.46
EX2S26_PND2E2	100Y-24H	0.65	0.00	-0.01	2.60	0.89	1.50
EX2S27_S35	100Y-24H	0.42	0.00	0.00	1.45	1.97	1.70
EX2S28_S36	100Y-24H	1.78	0.00	0.00	1.32	3.43	2.38
EX2S29_S28	100Y-24H	1.03	0.00	0.02	3.05	0.92	1.98
EX2S32_PND2E2	100Y-24H	3.78	0.00	0.09	4.00	5.48	4.74
EX2S35_S32	100Y-24H	0.42	0.00	0.00	2.38	0.54	1.44
EX2S36_S32	100Y-24H	32.33	0.00	-0.39	18.30	18.80	18.55
PND2E1_S24	100Y-24H	2.45	0.00	0.04	3.77	14.89	9.02
PND2E2_PND2E1	100Y-24H	1.90	0.00	0.05	2.61	1.07	1.49
C-100A_WEIR	100Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
CH2_1+SEC1	100Y-8H	11.25	-0.53	-0.01	1.14	2.58	1.71
CH2_2+SEC1	100Y-8H	3.09	-4.75	0.01	-0.74	-3.01	-1.85
CH2_2+SEC2	100Y-8H	3.35	-0.06	-0.02	0.52	1.75	1.07
EX2ES01_S07	100Y-8H	1.86	0.00	-0.40	2.66	3.06	2.76
EX2ES07_2GW2	100Y-8H	0.34	0.00	-0.02	0.00	0.00	0.00
EX2ES09_S09A	100Y-8H	1.93	-0.01	0.41	2.93	4.73	3.69
EX2ES10_S02	100Y-8H	0.09	-2.10	-0.02	-1.71	-3.77	-2.73
EX2ES11_S09A	100Y-8H	2.23	-0.01	0.40	2.84	3.07	2.83
EX2ES20_S19	100Y-8H	1.65	0.00	0.34	2.86	5.09	3.74
EX2ES21_2GW7	100Y-8H	0.43	0.00	-0.02	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX2ES21_S21	100Y-8H	3.32	-1.73	-0.84	1.06	-3.21	-1.88
EX2S01A_WEIR	100Y-8H	11.24	0.00	0.01	1.73	1.73	1.73
EX2S01B_C-100A	100Y-8H	11.24	0.00	0.07	5.69	17.57	11.63
EX2S01_2GW1	100Y-8H	1.66	0.00	0.00	0.00	0.00	0.00
EX2S01_S07	100Y-8H	1.77	-3.49	-0.18	3.01	3.40	3.02
EX2S01_S08	100Y-8H	4.96	-2.49	0.06	4.04	4.04	4.04
EX2S02_2GW1	100Y-8H	1.65	0.00	0.00	0.00	0.00	0.00
EX2S02_S01	100Y-8H	0.00	-3.78	0.01	-1.84	-3.93	-2.86
EX2S06_2GW4	100Y-8H	1.28	0.00	0.00	0.00	0.00	0.00
EX2S07_2GW3	100Y-8H	1.39	0.00	-0.03	0.00	0.00	0.00
EX2S07_S09A	100Y-8H	4.24	-2.39	-1.73	0.47	0.47	0.47
EX2S08_S07	100Y-8H	3.56	0.00	0.25	2.90	2.90	2.90
EX2S09A_2GW2	100Y-8H	0.34	0.00	-0.02	0.00	0.00	0.00
EX2S09A_2GW3	100Y-8H	1.39	0.00	-0.07	0.00	0.00	0.00
EX2S09A_ES07	100Y-8H	4.89	-2.04	-4.08	0.54	-1.15	-0.74
EX2S09_2GW4	100Y-8H	1.28	0.00	0.00	0.00	0.00	0.00
EX2S09_S02	100Y-8H	7.32	-5.37	-0.13	4.15	4.15	4.15
EX2S09_S06	100Y-8H	1.76	0.00	0.09	2.36	2.94	2.42
EX2S09_S07	100Y-8H	3.63	-5.37	0.19	-4.38	-4.38	-4.38
EX2S10_S08	100Y-8H	1.45	-0.01	0.08	0.82	1.05	0.82
EX2S12_S13	100Y-8H	2.20	0.00	-0.45	2.48	1.24	1.40
EX2S13_S07	100Y-8H	1.27	-0.40	0.03	0.41	0.41	0.41
EX2S14_S13	100Y-8H	1.37	0.00	-0.10	2.03	1.30	1.46
EX2S16_2GW5	100Y-8H	1.06	0.00	0.00	0.00	0.00	0.00
EX2S16_S18	100Y-8H	0.37	-1.02	-0.52	-1.16	-2.75	-1.95
EX2S18_2GW5	100Y-8H	1.06	0.00	0.00	0.00	0.00	0.00
EX2S18_2GW6	100Y-8H	0.89	0.00	0.00	0.00	0.00	0.00
EX2S18_S03	100Y-8H	6.71	-2.39	0.38	5.35	3.80	4.57
EX2S18_S20	100Y-8H	0.95	-6.96	-0.68	-2.53	-4.37	-3.36
EX2S19_S13	100Y-8H	1.12	-2.33	-0.51	1.55	0.85	1.05
EX2S20_2GW6	100Y-8H	0.89	0.00	0.00	0.00	0.00	0.00
EX2S20_S04	100Y-8H	3.97	-1.62	0.10	2.24	-3.12	2.24
EX2S20_S19	100Y-8H	1.21	-7.02	0.31	-3.97	-3.97	-3.97

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX2S21_S19	100Y-8H	3.20	-1.76	0.73	1.02	1.02	1.02
EX2S22_S04	100Y-8H	1.91	0.00	-0.03	3.96	15.22	9.59
EX2S23_2GW7	100Y-8H	0.43	0.00	0.02	0.00	0.00	0.00
EX2S23_2GW8	100Y-8H	0.35	0.00	0.02	0.00	0.00	0.00
EX2S23_S21	100Y-8H	3.73	-6.63	2.87	-0.79	-0.80	-0.79
EX2S24_2GW8	100Y-8H	0.35	0.00	0.01	0.00	0.00	0.00
EX2S24_S23	100Y-8H	1.03	-17.22	-0.86	-3.96	-7.18	-5.57
EX2S25_PND2E1	100Y-8H	1.42	0.00	-0.02	3.35	1.16	2.26
EX2S26_PND2E2	100Y-8H	1.80	0.00	-0.02	3.45	12.51	7.95
EX2S27_S35	100Y-8H	1.26	0.00	0.00	2.03	2.58	2.30
EX2S28_S36	100Y-8H	5.35	0.00	0.00	3.03	4.89	3.96
EX2S29_S28	100Y-8H	3.08	0.00	-0.05	4.31	2.51	3.41
EX2S32_PND2E2	100Y-8H	10.47	0.00	-0.07	5.55	6.48	5.64
EX2S35_S32	100Y-8H	1.26	0.00	0.02	3.23	1.02	2.13
EX2S36_S32	100Y-8H	32.39	0.00	-0.09	18.33	18.83	18.58
PND2E1_S24	100Y-8H	0.55	-0.72	0.01	2.48	-2.66	-1.53
PND2E2_PND2E1	100Y-8H	3.45	0.00	0.31	3.70	1.95	2.50
C-100A_WEIR	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
CH2_1+SEC1	10Y-1H	5.00	-0.61	-0.01	1.16	2.71	1.81
CH2_2+SEC1	10Y-1H	0.78	-3.10	0.01	-0.73	-3.08	-1.90
CH2_2+SEC2	10Y-1H	1.01	-0.08	-0.01	0.51	2.25	1.38
EX2ES01_S07	10Y-1H	3.07	-0.23	0.42	4.30	4.74	4.32
EX2ES07_2GW2	10Y-1H	0.27	0.00	-0.02	0.00	0.00	0.00
EX2ES09_S09A	10Y-1H	3.26	-0.02	0.45	4.40	6.96	5.44
EX2ES10_S02	10Y-1H	0.09	-4.44	0.03	-3.62	-4.91	-4.22
EX2ES11_S09A	10Y-1H	3.37	-0.01	0.36	4.44	4.72	4.40
EX2ES20_S19	10Y-1H	3.09	0.00	0.43	4.32	8.11	5.94
EX2ES21_2GW7	10Y-1H	0.31	0.00	-0.02	0.00	0.00	0.00
EX2ES21_S21	10Y-1H	2.14	-1.10	-0.64	2.68	-1.91	1.49
EX2S01A_WEIR	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
EX2S01B_C-100A	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
EX2S01_2GW1	10Y-1H	1.37	0.00	0.00	0.00	0.00	0.00
EX2S01_S07	10Y-1H	3.97	-3.65	-0.13	3.46	4.68	4.01

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX2S01_S08	10Y-1H	4.40	-2.92	0.38	4.15	4.71	3.96
EX2S02_2GW1	10Y-1H	1.36	0.00	0.00	0.00	0.00	0.00
EX2S02_S01	10Y-1H	0.00	-8.30	-0.02	-2.66	-5.02	-3.79
EX2S06_2GW4	10Y-1H	1.05	0.00	0.00	0.00	0.00	0.00
EX2S07_2GW3	10Y-1H	1.09	0.00	-0.03	0.00	0.00	0.00
EX2S07_S09A	10Y-1H	1.61	-3.69	-1.71	-0.41	-0.41	-0.41
EX2S08_S07	10Y-1H	3.97	0.00	0.49	4.51	6.50	5.36
EX2S09A_2GW2	10Y-1H	0.27	0.00	-0.02	0.00	0.00	0.00
EX2S09A_2GW3	10Y-1H	1.09	0.00	-0.07	0.00	0.00	0.00
EX2S09A_ES07	10Y-1H	2.10	-4.84	2.40	-0.84	-1.61	-1.12
EX2S09_2GW4	10Y-1H	1.05	0.00	0.00	0.00	0.00	0.00
EX2S09_S02	10Y-1H	7.25	-2.81	0.12	4.10	4.10	4.10
EX2S09_S06	10Y-1H	2.93	0.00	0.06	2.64	3.63	3.00
EX2S09_S07	10Y-1H	3.73	-5.32	0.51	4.63	-4.34	-4.34
EX2S10_S08	10Y-1H	1.56	-0.04	-0.06	1.16	1.59	1.37
EX2S12_S13	10Y-1H	2.22	0.00	0.31	3.66	4.07	3.14
EX2S13_S07	10Y-1H	1.54	-0.41	0.03	0.49	0.49	0.49
EX2S14_S13	10Y-1H	1.46	0.00	-0.05	2.94	2.66	2.45
EX2S16_2GW5	10Y-1H	0.81	0.00	0.00	0.00	0.00	0.00
EX2S16_S18	10Y-1H	0.89	-0.72	0.05	0.91	2.23	1.54
EX2S18_2GW5	10Y-1H	0.81	0.00	0.00	0.00	0.00	0.00
EX2S18_2GW6	10Y-1H	0.67	0.00	0.00	0.00	0.00	0.00
EX2S18_S03	10Y-1H	9.21	-2.53	1.28	6.21	23.42	14.22
EX2S18_S20	10Y-1H	1.05	-8.45	0.03	-2.79	-4.35	-3.56
EX2S19_S13	10Y-1H	1.72	-2.61	-0.26	2.16	1.97	1.70
EX2S20_2GW6	10Y-1H	0.67	0.00	0.00	0.00	0.00	0.00
EX2S20_S04	10Y-1H	0.88	-2.32	0.10	2.81	-3.31	-2.26
EX2S20_S19	10Y-1H	1.93	-6.22	0.16	-3.52	-3.52	-3.52
EX2S21_S19	10Y-1H	2.03	-3.10	0.52	-0.99	-1.83	-1.07
EX2S22_S04	10Y-1H	2.53	0.00	0.04	4.44	16.53	10.48
EX2S23_2GW7	10Y-1H	0.31	0.00	-0.02	0.00	0.00	0.00
EX2S23_2GW8	10Y-1H	0.26	0.00	-0.02	0.00	0.00	0.00
EX2S23_S21	10Y-1H	2.41	-6.63	-2.21	-0.79	-0.80	-0.79
EX2S24_2GW	10Y-1H	0.26	0.00	-0.02	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
8							
EX2S24_S23	10Y-1H	0.52	-17.22	0.52	-3.96	-7.18	-5.57
EX2S25_PND2E1	10Y-1H	0.82	0.00	0.02	2.86	9.03	5.95
EX2S26_PND2E2	10Y-1H	1.00	0.00	-0.02	2.91	10.67	6.79
EX2S27_S35	10Y-1H	1.67	0.00	0.00	2.24	2.82	2.53
EX2S28_S36	10Y-1H	7.11	0.00	0.01	4.03	5.48	4.75
EX2S29_S28	10Y-1H	4.06	0.00	-0.77	5.39	3.31	4.33
EX2S32_PND2E2	10Y-1H	9.72	0.00	-0.07	5.40	7.11	6.25
EX2S35_S32	10Y-1H	1.67	0.00	-0.02	3.52	11.17	6.88
EX2S36_S32	10Y-1H	32.39	0.00	-0.09	18.33	18.83	18.58
PND2E1_S24	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
PND2E2_PND2E1	10Y-1H	4.45	0.00	0.58	4.56	2.52	3.52
C-100A_WEIR	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
CH2_1+SEC1	10Y-24H	0.49	-0.08	-0.01	0.55	1.31	0.84
CH2_2+SEC1	10Y-24H	0.29	-0.18	0.01	0.24	-1.07	-0.54
CH2_2+SEC2	10Y-24H	0.07	0.00	0.00	0.10	0.07	0.08
EX2ES01_S07	10Y-24H	0.54	0.00	-0.32	1.98	2.20	2.02
EX2ES07_2GW2	10Y-24H	0.19	0.00	0.02	0.00	0.00	0.00
EX2ES09_S09A	10Y-24H	0.57	0.00	-0.38	2.39	3.59	2.83
EX2ES10_S02	10Y-24H	0.02	-0.53	0.01	-0.43	-2.53	-1.48
EX2ES11_S09A	10Y-24H	0.57	0.00	0.27	2.08	2.21	2.07
EX2ES20_S19	10Y-24H	0.39	0.00	0.29	2.24	1.11	1.45
EX2ES21_2GW7	10Y-24H	0.23	0.00	-0.01	0.00	0.00	0.00
EX2ES21_S21	10Y-24H	0.45	-0.76	-0.41	0.26	-2.58	-1.41
EX2S01A_WEIR	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX2S01B_C-100A	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX2S01_2GW1	10Y-24H	1.01	0.00	-0.02	0.00	0.00	0.00
EX2S01_S07	10Y-24H	0.80	-0.34	-0.16	2.63	2.74	2.48
EX2S01_S08	10Y-24H	0.00	-1.40	0.00	-1.14	-2.96	-1.86
EX2S02_2GW1	10Y-24H	1.01	0.00	0.03	0.00	0.00	0.00
EX2S02_S01	10Y-24H	0.00	-1.31	0.01	-1.20	-2.97	-2.08
EX2S06_2GW4	10Y-24H	0.80	0.00	-0.01	0.00	0.00	0.00
EX2S07_2GW3	10Y-24H	0.80	0.00	0.02	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX2S07_S09A	10Y-24H	0.89	-1.79	-1.65	0.22	0.30	0.25
EX2S08_S07	10Y-24H	0.79	0.00	-0.39	2.10	1.22	1.31
EX2S09A_2GW2	10Y-24H	0.19	0.00	0.02	0.00	0.00	0.00
EX2S09A_2GW3	10Y-24H	0.80	0.00	0.07	0.00	0.00	0.00
EX2S09A_ES07	10Y-24H	0.80	-2.31	2.31	-0.26	-0.79	-0.40
EX2S09_2GW4	10Y-24H	0.80	0.00	-0.01	0.00	0.00	0.00
EX2S09_S02	10Y-24H	0.07	-1.01	0.31	-1.28	-1.99	-1.63
EX2S09_S06	10Y-24H	0.84	0.00	0.43	1.87	2.28	1.85
EX2S09_S07	10Y-24H	0.14	-1.04	-0.17	1.72	-1.86	-1.00
EX2S10_S08	10Y-24H	0.35	-0.01	-0.32	0.32	0.77	0.55
EX2S12_S13	10Y-24H	0.56	-0.02	0.49	1.91	0.32	1.01
EX2S13_S07	10Y-24H	0.82	-0.23	0.04	0.29	0.26	0.26
EX2S14_S13	10Y-24H	0.30	0.00	0.15	1.43	0.81	0.83
EX2S16_2GW5	10Y-24H	0.67	0.00	-0.01	0.00	0.00	0.00
EX2S16_S18	10Y-24H	0.00	-0.89	0.04	-1.12	-2.67	-1.89
EX2S18_2GW5	10Y-24H	0.67	0.00	-0.01	0.00	0.00	0.00
EX2S18_2GW6	10Y-24H	0.55	0.00	-0.01	0.00	0.00	0.00
EX2S18_S03	10Y-24H	3.32	-1.14	2.81	2.94	-2.53	2.41
EX2S18_S20	10Y-24H	0.00	-2.32	0.02	-1.51	-3.01	-2.17
EX2S19_S13	10Y-24H	0.64	-0.94	-0.48	1.12	0.79	0.79
EX2S20_2GW6	10Y-24H	0.55	0.00	-0.01	0.00	0.00	0.00
EX2S20_S04	10Y-24H	0.00	-1.05	0.01	-0.59	-2.66	-1.54
EX2S20_S19	10Y-24H	0.48	-1.48	-0.22	2.33	-1.15	1.29
EX2S21_S19	10Y-24H	0.39	-0.78	0.53	-0.25	-0.50	-0.28
EX2S22_S04	10Y-24H	0.42	0.00	0.00	2.48	0.97	1.72
EX2S23_2GW7	10Y-24H	0.23	0.00	-0.01	0.00	0.00	0.00
EX2S23_2GW8	10Y-24H	0.19	0.00	-0.01	0.00	0.00	0.00
EX2S23_S21	10Y-24H	0.50	-6.63	-2.01	-0.79	-0.86	-0.79
EX2S24_2GW8	10Y-24H	0.19	0.00	-0.01	0.00	0.00	0.00
EX2S24_S23	10Y-24H	0.08	-17.22	0.19	-3.96	-7.18	-5.57
EX2S25_PND2E1	10Y-24H	0.29	0.00	0.01	2.15	0.67	1.19
EX2S26_PND2E2	10Y-24H	0.36	0.00	-0.01	2.22	0.90	1.52
EX2S27_S35	10Y-24H	0.28	0.00	0.00	1.27	1.76	1.51
EX2S28_S36	10Y-24H	1.18	0.00	0.00	1.02	3.05	2.04

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX2S29_S28	10Y-24H	0.68	0.00	0.02	2.71	0.69	1.70
EX2S32_PND2E2	10Y-24H	3.78	0.00	-0.03	4.00	5.48	4.74
EX2S35_S32	10Y-24H	0.28	0.00	0.01	2.13	0.49	1.30
EX2S36_S32	10Y-24H	32.39	0.00	-0.32	18.33	18.83	18.58
PND2E1_S24	10Y-24H	0.06	0.00	-0.01	0.00	0.00	0.00
PND2E2_PND2E1	10Y-24H	0.90	0.00	0.02	2.49	0.51	1.40
C-100A_WEIR	10Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
CH2_1+SEC1	10Y-8H	4.12	-0.52	-0.01	1.09	2.47	1.63
CH2_2+SEC1	10Y-8H	1.46	-3.34	0.01	-0.69	-2.93	-1.80
CH2_2+SEC2	10Y-8H	1.53	-0.07	-0.01	0.41	1.71	1.02
EX2ES01_S07	10Y-8H	1.29	0.00	-0.27	2.59	2.96	2.67
EX2ES07_2GW2	10Y-8H	0.27	0.00	-0.02	0.00	0.00	0.00
EX2ES09_S09A	10Y-8H	1.34	-0.01	-0.32	3.19	4.59	3.58
EX2ES10_S02	10Y-8H	0.08	-3.00	0.02	-2.44	-4.24	-3.32
EX2ES11_S09A	10Y-8H	1.56	0.00	-0.32	2.72	2.97	2.74
EX2ES20_S19	10Y-8H	1.13	0.00	-0.23	3.08	4.94	3.63
EX2ES21_2GW7	10Y-8H	0.32	0.00	-0.02	0.00	0.00	0.00
EX2ES21_S21	10Y-8H	2.00	-2.68	-0.81	-0.85	-3.62	-2.24
EX2S01A_WEIR	10Y-8H	2.00	0.00	0.00	0.97	0.97	0.97
EX2S01B_C-100A	10Y-8H	2.00	0.00	-0.03	3.34	1.36	2.35
EX2S01_2GW1	10Y-8H	1.32	0.00	0.00	0.00	0.00	0.00
EX2S01_S07	10Y-8H	1.95	-2.01	-0.17	3.05	3.36	3.00
EX2S01_S08	10Y-8H	2.68	-2.42	-0.02	2.18	-2.50	2.18
EX2S02_2GW1	10Y-8H	1.32	0.00	0.00	0.00	0.00	0.00
EX2S02_S01	10Y-8H	0.00	-5.50	-0.01	-2.16	-4.36	-3.22
EX2S06_2GW4	10Y-8H	1.07	0.00	0.00	0.00	0.00	0.00
EX2S07_2GW3	10Y-8H	1.11	0.00	-0.03	0.00	0.00	0.00
EX2S07_S09A	10Y-8H	1.81	-2.31	-1.77	-0.26	-0.26	-0.26
EX2S08_S07	10Y-8H	2.49	0.00	0.36	2.65	2.03	2.03
EX2S09A_2GW2	10Y-8H	0.27	0.00	-0.02	0.00	0.00	0.00
EX2S09A_2GW3	10Y-8H	1.11	0.00	-0.07	0.00	0.00	0.00
EX2S09A_ES07	10Y-8H	1.58	-2.53	2.48	-0.40	-1.09	-0.66

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX2S09_2GW4	10Y-8H	1.07	0.00	0.00	0.00	0.00	0.00
EX2S09_S02	10Y-8H	4.33	-2.94	0.11	2.45	2.45	2.45
EX2S09_S06	10Y-8H	1.45	0.00	0.11	2.26	2.81	2.31
EX2S09_S07	10Y-8H	1.40	-3.36	0.24	-2.74	-2.74	-2.74
EX2S10_S08	10Y-8H	1.01	-0.01	0.09	0.57	0.96	0.74
EX2S12_S13	10Y-8H	1.47	0.00	0.28	2.41	0.83	1.35
EX2S13_S07	10Y-8H	1.08	-0.53	0.02	0.35	0.34	0.34
EX2S14_S13	10Y-8H	0.93	0.00	0.02	1.89	1.70	1.51
EX2S16_2GW5	10Y-8H	0.87	0.00	0.00	0.00	0.00	0.00
EX2S16_S18	10Y-8H	0.17	-1.31	-0.59	-1.28	-2.91	-2.08
EX2S18_2GW5	10Y-8H	0.87	0.00	0.00	0.00	0.00	0.00
EX2S18_2GW6	10Y-8H	0.73	0.00	0.00	0.00	0.00	0.00
EX2S18_S03	10Y-8H	6.62	-2.36	0.51	5.31	18.60	11.23
EX2S18_S20	10Y-8H	1.05	-6.73	0.74	-2.50	-4.40	-3.35
EX2S19_S13	10Y-8H	0.93	-2.37	0.24	1.47	1.35	1.13
EX2S20_2GW6	10Y-8H	0.73	0.00	0.00	0.00	0.00	0.00
EX2S20_S04	10Y-8H	1.78	-1.92	0.12	-1.08	-3.21	-2.00
EX2S20_S19	10Y-8H	1.35	-4.83	-0.30	2.77	-2.73	-2.73
EX2S21_S19	10Y-8H	1.90	-2.73	-0.61	-0.87	-1.35	-0.87
EX2S22_S04	10Y-8H	1.35	0.00	-0.02	3.51	13.75	8.63
EX2S23_2GW7	10Y-8H	0.32	0.00	-0.02	0.00	0.00	0.00
EX2S23_2GW8	10Y-8H	0.27	0.00	-0.02	0.00	0.00	0.00
EX2S23_S21	10Y-8H	2.81	-6.63	2.47	-0.79	-0.80	-0.79
EX2S24_2GW8	10Y-8H	0.27	0.00	-0.02	0.00	0.00	0.00
EX2S24_S23	10Y-8H	0.70	-17.22	-0.66	-3.96	-7.18	-5.57
EX2S25_PND2E1	10Y-8H	0.85	0.00	-0.02	2.89	8.13	5.36
EX2S26_PND2E2	10Y-8H	1.07	0.00	-0.02	2.97	10.88	6.93
EX2S27_S35	10Y-8H	0.89	0.00	0.00	1.82	2.32	2.07
EX2S28_S36	10Y-8H	3.79	0.00	0.00	2.17	4.33	3.25
EX2S29_S28	10Y-8H	2.18	0.00	0.02	3.83	1.78	2.80
EX2S32_PND2E2	10Y-8H	6.67	0.00	-0.03	4.76	6.08	5.27
EX2S35_S32	10Y-8H	0.89	0.00	-0.02	2.93	0.81	1.86
EX2S36_S32	10Y-8H	32.39	0.00	-0.09	18.33	18.83	18.58
PND2E1_S24	10Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
PND2E2_PND2E1	10Y-8H	2.44	0.00	0.27	3.60	1.38	2.39

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C-100A_WEIR	25Y-72H	0.00	0.00	0.00	0.00	0.00	0.00
CH2_1+SEC1	25Y-72H	11.15	-0.28	-0.01	1.27	2.82	1.90
CH2_2+SEC1	25Y-72H	3.45	-6.21	0.01	-0.77	-2.30	-1.38
CH2_2+SEC2	25Y-72H	4.95	0.00	-0.02	0.76	1.37	0.82
EX2ES01_S07	25Y-72H	2.54	0.00	0.31	2.07	2.07	2.07
EX2ES07_2GW2	25Y-72H	0.38	0.00	0.02	0.00	0.00	0.00
EX2ES09_S09A	25Y-72H	2.64	0.00	-0.34	2.42	3.31	2.62
EX2ES10_S02	25Y-72H	0.87	-0.88	-0.05	-0.71	-2.84	-1.74
EX2ES11_S09A	25Y-72H	3.05	0.00	-0.33	2.48	2.48	2.48
EX2ES20_S19	25Y-72H	2.29	0.00	0.12	2.21	1.87	1.87
EX2ES21_2GW7	25Y-72H	0.46	0.00	-0.02	0.00	0.00	0.00
EX2ES21_S21	25Y-72H	4.63	-0.47	0.74	2.54	-2.27	1.47
EX2S01A_WEIR	25Y-72H	11.14	0.00	0.01	1.73	1.73	1.73
EX2S01B_C-100A	25Y-72H	11.14	0.00	-0.07	5.68	17.53	11.60
EX2S01_2GW1	25Y-72H	1.83	0.00	0.03	0.00	0.00	0.00
EX2S01_S07	25Y-72H	0.69	-3.12	-0.17	2.56	2.62	-2.54
EX2S01_S08	25Y-72H	7.09	-1.85	0.02	5.78	5.78	5.78
EX2S02_2GW1	25Y-72H	1.82	0.00	0.02	0.00	0.00	0.00
EX2S02_S01	25Y-72H	0.00	-2.86	-0.03	-1.33	-3.18	-2.25
EX2S06_2GW4	25Y-72H	1.25	0.00	-0.02	0.00	0.00	0.00
EX2S07_2GW3	25Y-72H	1.54	0.00	0.03	0.00	0.00	0.00
EX2S07_S09A	25Y-72H	4.02	-3.31	-1.80	0.45	0.45	0.45
EX2S08_S07	25Y-72H	4.83	0.00	0.39	3.94	3.94	3.94
EX2S09A_2GW2	25Y-72H	0.38	0.00	0.02	0.00	0.00	0.00
EX2S09A_2GW3	25Y-72H	1.54	0.00	0.07	0.00	0.00	0.00
EX2S09A_ES07	25Y-72H	4.52	-1.49	-3.47	0.50	0.50	0.50
EX2S09_2GW4	25Y-72H	1.25	0.00	0.02	0.00	0.00	0.00
EX2S09_S02	25Y-72H	11.29	-5.21	0.10	6.39	6.39	6.39
EX2S09_S06	25Y-72H	1.61	0.00	0.09	1.87	2.28	1.85
EX2S09_S07	25Y-72H	3.41	-7.62	0.26	-6.21	-6.21	-6.21
EX2S10_S08	25Y-72H	1.97	0.00	-0.28	1.11	1.11	1.11
EX2S12_S13	25Y-72H	3.08	0.00	-0.45	1.87	1.75	1.75
EX2S13_S07	25Y-72H	1.42	0.00	0.04	0.45	0.45	0.45

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX2S14_S13	25Y-72H	1.87	0.00	-0.17	1.53	1.53	1.53
EX2S16_2GW5	25Y-72H	1.03	0.00	0.02	0.00	0.00	0.00
EX2S16_S18	25Y-72H	0.79	-1.02	0.25	-1.17	-2.76	-1.96
EX2S18_2GW5	25Y-72H	1.03	0.00	-0.02	0.00	0.00	0.00
EX2S18_2GW6	25Y-72H	0.87	0.00	-0.02	0.00	0.00	0.00
EX2S18_S03	25Y-72H	7.75	-1.48	-2.33	4.99	4.38	4.38
EX2S18_S20	25Y-72H	0.14	-6.85	-0.04	-2.23	-2.97	-2.52
EX2S19_S13	25Y-72H	1.26	-3.72	-0.41	-1.18	-1.18	-1.18
EX2S20_2GW6	25Y-72H	0.87	0.00	0.02	0.00	0.00	0.00
EX2S20_S04	25Y-72H	4.93	-1.29	-0.04	2.79	2.79	2.79
EX2S20_S19	25Y-72H	0.41	-8.95	0.07	-5.07	-5.07	-5.07
EX2S21_S19	25Y-72H	4.32	-0.50	-0.37	1.37	1.37	1.37
EX2S22_S04	25Y-72H	2.70	0.00	-0.04	4.56	16.83	10.70
EX2S23_2GW7	25Y-72H	0.46	0.00	-0.02	0.00	0.00	0.00
EX2S23_2GW8	25Y-72H	0.38	0.00	-0.02	0.00	0.00	0.00
EX2S23_S21	25Y-72H	3.64	-6.63	-2.87	-0.79	-0.80	-0.79
EX2S24_2GW8	25Y-72H	0.38	0.00	-0.02	0.00	0.00	0.00
EX2S24_S23	25Y-72H	2.35	-17.22	1.35	-3.96	-7.18	-5.57
EX2S25_PND2E1	25Y-72H	2.29	0.00	0.02	3.89	12.26	8.08
EX2S26_PND2E2	25Y-72H	2.94	0.00	0.02	3.99	1.66	2.83
EX2S27_S35	25Y-72H	1.78	0.00	0.00	2.29	2.88	2.59
EX2S28_S36	25Y-72H	7.58	0.00	-0.01	4.29	5.64	4.97
EX2S29_S28	25Y-72H	4.73	0.00	0.73	5.39	3.86	4.48
EX2S32_PND2E2	25Y-72H	16.84	0.00	-2.53	7.11	5.48	5.93
EX2S35_S32	25Y-72H	1.78	0.00	0.02	3.59	15.67	9.63
EX2S36_S32	25Y-72H	32.39	0.00	0.39	18.33	18.83	18.58
PND2E1_S24	25Y-72H	2.42	-3.38	-0.08	3.76	14.64	8.87
PND2E2_PND2E1	25Y-72H	3.70	0.00	-0.02	2.10	2.10	2.10

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
2GW1	100Y-1H	40726	0	40726
2GW1	100Y-24H	162745	0	162745
2GW1	100Y-8H	83167	0	83167
2GW1	10Y-1H	24798	0	24798
2GW1	10Y-24H	92286	0	92286
2GW1	10Y-8H	61475	0	61475
2GW1	25Y-72H	145481	0	145481

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
2GW2	100Y-1H	9692	0	9692
2GW2	100Y-24H	35577	0	35577
2GW2	100Y-8H	19060	0	19060
2GW2	10Y-1H	6571	0	6571
2GW2	10Y-24H	20363	0	20363
2GW2	10Y-8H	14452	0	14452
2GW2	25Y-72H	34092	0	34092

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
2GW3	100Y-1H	39709	0	39709
2GW3	100Y-24H	145504	0	145504
2GW3	100Y-8H	78025	0	78025
2GW3	10Y-1H	26944	0	26944
2GW3	10Y-24H	83233	0	83233
2GW3	10Y-8H	59094	0	59094
2GW3	25Y-72H	139329	0	139329

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
2GW4	100Y-1H	36338	0	36338
2GW4	100Y-24H	140366	0	140366
2GW4	100Y-8H	73595	0	73595
2GW4	10Y-1H	23654	0	23654
2GW4	10Y-24H	80932	0	80932
2GW4	10Y-8H	53709	0	53709

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
2GW4	25Y-72H	121906	0	121906

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
2GW5	100Y-1H	28645	0	28645
2GW5	100Y-24H	106854	0	106854
2GW5	100Y-8H	59294	0	59294
2GW5	10Y-1H	18564	0	18564
2GW5	10Y-24H	54327	0	54327
2GW5	10Y-8H	42421	0	42421
2GW5	25Y-72H	83754	0	83754

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
2GW6	100Y-1H	24429	0	24429
2GW6	100Y-24H	94533	0	94533
2GW6	100Y-8H	51286	0	51286
2GW6	10Y-1H	16166	0	16166
2GW6	10Y-24H	55340	0	55340
2GW6	10Y-8H	37145	0	37145
2GW6	25Y-72H	93989	0	93989

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
2GW7	100Y-1H	10794	0	10794
2GW7	100Y-24H	50848	0	50848
2GW7	100Y-8H	27059	0	27059
2GW7	10Y-1H	7050	0	7050
2GW7	10Y-24H	23316	0	23316
2GW7	10Y-8H	16669	0	16669
2GW7	25Y-72H	47973	0	47973

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
2GW8	100Y-1H	8912	0	8912
2GW8	100Y-24H	42821	0	42821
2GW8	100Y-8H	23670	0	23670
2GW8	10Y-1H	5817	0	5817
2GW8	10Y-24H	20283	0	20283
2GW8	10Y-8H	13763	0	13763
2GW8	25Y-72H	38160	0	38160

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
C-100A	100Y-1H	10423	0	10423
C-100A	100Y-24H	8788	0	8788
C-100A	100Y-8H	67181	0	67181
C-100A	10Y-1H	0	0	0
C-100A	10Y-24H	0	0	0
C-100A	10Y-8H	7893	0	7893
C-100A	25Y-72H	47086	0	47086

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2AS02	100Y-1H	45873	44380	1493
EX2AS02	100Y-24H	107649	107461	187
EX2AS02	100Y-8H	101175	99949	1226
EX2AS02	10Y-1H	18106	16736	1369
EX2AS02	10Y-24H	31590	31333	257
EX2AS02	10Y-8H	48776	47518	1258
EX2AS02	25Y-72H	126798	126222	577

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2AS03	100Y-1H	44416	40774	3642
EX2AS03	100Y-24H	94857	91639	3218
EX2AS03	100Y-8H	92501	88962	3539
EX2AS03	10Y-1H	21169	17587	3583
EX2AS03	10Y-24H	31251	27679	3572
EX2AS03	10Y-8H	48795	45207	3588
EX2AS03	25Y-72H	108723	105342	3381

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2AS04	100Y-1H	26864	24776	2089
EX2AS04	100Y-24H	79707	78596	1111
EX2AS04	100Y-8H	62742	61186	1555
EX2AS04	10Y-1H	11573	9792	1781
EX2AS04	10Y-24H	46123	45017	1106
EX2AS04	10Y-8H	34537	33024	1514
EX2AS04	25Y-72H	86465	85131	1334

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2ES01	100Y-1H	8289	8291	-3
EX2ES01	100Y-24H	22492	22414	78
EX2ES01	100Y-8H	15950	15969	-20
EX2ES01	10Y-1H	5652	5654	-2
EX2ES01	10Y-24H	14723	14737	-14
EX2ES01	10Y-8H	11181	11188	-7
EX2ES01	25Y-72H	21742	21776	-34

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2ES07	100Y-1H	17376	17270	105
EX2ES07	100Y-24H	37478	37586	-108
EX2ES07	100Y-8H	57696	57434	262
EX2ES07	10Y-1H	12736	12729	7
EX2ES07	10Y-24H	26188	26344	-156
EX2ES07	10Y-8H	22034	21994	41
EX2ES07	25Y-72H	63618	63238	381

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2ES08	100Y-1H	42861	39255	3606
EX2ES08	100Y-24H	99785	96860	2925
EX2ES08	100Y-8H	101504	98193	3311
EX2ES08	10Y-1H	22278	18821	3457
EX2ES08	10Y-24H	58086	55230	2855
EX2ES08	10Y-8H	50008	46726	3282

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2ES08	25Y-72H	120909	117505	3405

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2ES09	100Y-1H	7780	7557	223
EX2ES09	100Y-24H	22514	22306	208
EX2ES09	100Y-8H	15713	15477	236
EX2ES09	10Y-1H	5079	4853	226
EX2ES09	10Y-24H	14439	14209	230
EX2ES09	10Y-8H	10768	10547	221
EX2ES09	25Y-72H	21734	21514	220

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2ES10	100Y-1H	1151	899	252
EX2ES10	100Y-24H	646	394	252
EX2ES10	100Y-8H	789	537	252
EX2ES10	10Y-1H	615	363	252
EX2ES10	10Y-24H	483	231	252
EX2ES10	10Y-8H	657	405	252
EX2ES10	25Y-72H	1140	888	252

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2ES11	100Y-1H	9874	9878	-4
EX2ES11	100Y-24H	26799	26830	-32
EX2ES11	100Y-8H	19004	18993	11
EX2ES11	10Y-1H	6734	6734	-1
EX2ES11	10Y-24H	17543	17541	2
EX2ES11	10Y-8H	13322	13325	-3
EX2ES11	25Y-72H	25905	25912	-7

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2ES20	100Y-1H	7406	7406	0
EX2ES20	100Y-24H	20099	20095	4
EX2ES20	100Y-8H	14253	14253	-1
EX2ES20	10Y-1H	5050	5050	0
EX2ES20	10Y-24H	13157	13157	0
EX2ES20	10Y-8H	9992	9992	-1
EX2ES20	25Y-72H	19429	19429	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2ES21	100Y-1H	17895	19341	-1445
EX2ES21	100Y-24H	91613	93428	-1815
EX2ES21	100Y-8H	31276	32520	-1244
EX2ES21	10Y-1H	9059	10360	-1301
EX2ES21	10Y-24H	15220	16526	-1306
EX2ES21	10Y-8H	22224	23459	-1235
EX2ES21	25Y-72H	86109	85993	116

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S01	100Y-1H	56867	57597	-730
EX2S01	100Y-24H	167162	168170	-1008
EX2S01	100Y-8H	120710	121651	-942
EX2S01	10Y-1H	34156	34940	-784
EX2S01	10Y-24H	101165	102248	-1082
EX2S01	10Y-8H	74554	75446	-892
EX2S01	25Y-72H	175365	176333	-967

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S01A	100Y-1H	14755	13442	1314
EX2S01A	100Y-24H	13048	11726	1322
EX2S01A	100Y-8H	71472	70168	1303
EX2S01A	10Y-1H	3295	2005	1290
EX2S01A	10Y-24H	1669	304	1366
EX2S01A	10Y-8H	12181	10880	1301
EX2S01A	25Y-72H	51384	50017	1367

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S01B	100Y-1H	10423	10423	0
EX2S01B	100Y-24H	8788	8788	0
EX2S01B	100Y-8H	67181	67181	0
EX2S01B	10Y-1H	0	0	0
EX2S01B	10Y-24H	0	0	0
EX2S01B	10Y-8H	7893	7893	0
EX2S01B	25Y-72H	47086	47086	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S02	100Y-1H	19701	20902	-1201
EX2S02	100Y-24H	76171	77327	-1156
EX2S02	100Y-8H	39464	40596	-1132
EX2S02	10Y-1H	11209	12367	-1158
EX2S02	10Y-24H	37598	38775	-1177
EX2S02	10Y-8H	28285	29413	-1129
EX2S02	25Y-72H	48219	49297	-1078

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S06	100Y-1H	17568	17952	-384
EX2S06	100Y-24H	68325	68732	-408
EX2S06	100Y-8H	35846	36247	-401
EX2S06	10Y-1H	11216	11602	-387
EX2S06	10Y-24H	38154	38568	-414
EX2S06	10Y-8H	25833	26236	-402
EX2S06	25Y-72H	48532	48866	-334

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S07	100Y-1H	51431	51468	-36
EX2S07	100Y-24H	137636	137713	-77
EX2S07	100Y-8H	117985	118056	-71
EX2S07	10Y-1H	28260	28277	-17
EX2S07	10Y-24H	68954	68984	-29
EX2S07	10Y-8H	59594	59671	-77

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S07	25Y-72H	174309	174327	-18

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S08	100Y-1H	15861	15867	-6
EX2S08	100Y-24H	43074	43081	-7
EX2S08	100Y-8H	30534	30542	-9
EX2S08	10Y-1H	10814	10819	-5
EX2S08	10Y-24H	28217	28200	17
EX2S08	10Y-8H	21402	21404	-2
EX2S08	25Y-72H	41651	41669	-18

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S09	100Y-1H	69477	69936	-459
EX2S09	100Y-24H	176008	176538	-531
EX2S09	100Y-8H	145684	146216	-531
EX2S09	10Y-1H	34221	34690	-469
EX2S09	10Y-24H	80452	81010	-558
EX2S09	10Y-8H	79658	80192	-533
EX2S09	25Y-72H	195440	195904	-464

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S09A	100Y-1H	35167	35092	74
EX2S09A	100Y-24H	104853	104750	103
EX2S09A	100Y-8H	94029	94205	-176
EX2S09A	10Y-1H	21600	21456	144
EX2S09A	10Y-24H	56838	56606	231
EX2S09A	10Y-8H	46356	46253	103
EX2S09A	25Y-72H	128650	129603	-953

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S10	100Y-1H	6530	6516	14
EX2S10	100Y-24H	17711	17710	1
EX2S10	100Y-8H	12561	12548	13
EX2S10	10Y-1H	4455	4441	14
EX2S10	10Y-24H	11596	11615	-19
EX2S10	10Y-8H	8807	8793	14
EX2S10	25Y-72H	17121	17134	-13

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S12	100Y-1H	8147	8147	0
EX2S12	100Y-24H	25121	25146	-25
EX2S12	100Y-8H	17254	17254	1
EX2S12	10Y-1H	5101	5101	0
EX2S12	10Y-24H	15785	15814	-28
EX2S12	10Y-8H	11561	11562	0
EX2S12	25Y-72H	24218	24234	-16

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S13	100Y-1H	23398	23258	140
EX2S13	100Y-24H	67166	67070	96
EX2S13	100Y-8H	44075	44007	68
EX2S13	10Y-1H	15859	15726	134
EX2S13	10Y-24H	41071	40966	105
EX2S13	10Y-8H	27512	27438	74
EX2S13	25Y-72H	81305	81233	71

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S14	100Y-1H	6171	6152	19
EX2S14	100Y-24H	16749	16751	-2
EX2S14	100Y-8H	11877	11880	-3
EX2S14	10Y-1H	4209	4192	16
EX2S14	10Y-24H	10964	10970	-5
EX2S14	10Y-8H	8326	8329	-2
EX2S14	25Y-72H	16191	16193	-2

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S16	100Y-1H	13773	14740	-967
EX2S16	100Y-24H	51339	52295	-955
EX2S16	100Y-8H	28540	29498	-958
EX2S16	10Y-1H	7931	8894	-963
EX2S16	10Y-24H	24362	25332	-970
EX2S16	10Y-8H	19564	20520	-956
EX2S16	25Y-72H	38937	39831	-893

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S18	100Y-1H	52478	54661	-2182
EX2S18	100Y-24H	141217	143289	-2073
EX2S18	100Y-8H	94321	96406	-2085
EX2S18	10Y-1H	32822	34980	-2158
EX2S18	10Y-24H	68098	70178	-2080
EX2S18	10Y-8H	65115	67199	-2084
EX2S18	25Y-72H	121903	123821	-1917

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S19	100Y-1H	36652	36595	57
EX2S19	100Y-24H	105099	105009	90
EX2S19	100Y-8H	57732	57738	-6
EX2S19	10Y-1H	20637	20573	63
EX2S19	10Y-24H	27935	27880	55
EX2S19	10Y-8H	37481	37480	1
EX2S19	25Y-72H	95105	94976	129

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S20	100Y-1H	47478	48599	-1122
EX2S20	100Y-24H	140996	142111	-1115
EX2S20	100Y-8H	86188	87259	-1071
EX2S20	10Y-1H	26332	27472	-1140
EX2S20	10Y-24H	68137	69271	-1134
EX2S20	10Y-8H	56403	57441	-1038

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S20	25Y-72H	125625	126664	-1039

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S21	100Y-1H	15584	15541	43
EX2S21	100Y-24H	68059	68089	-30
EX2S21	100Y-8H	22947	22902	45
EX2S21	10Y-1H	7359	7350	9
EX2S21	10Y-24H	5706	5667	39
EX2S21	10Y-8H	17146	17084	62
EX2S21	25Y-72H	61902	62045	-143

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S22	100Y-1H	8287	7143	1144
EX2S22	100Y-24H	22492	21362	1130
EX2S22	100Y-8H	15950	14820	1130
EX2S22	10Y-1H	5651	4521	1130
EX2S22	10Y-24H	14723	13593	1130
EX2S22	10Y-8H	11181	10051	1130
EX2S22	25Y-72H	21742	20611	1130

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S23	100Y-1H	15214	17197	-1982
EX2S23	100Y-24H	121500	123012	-1512
EX2S23	100Y-8H	37240	39319	-2079
EX2S23	10Y-1H	7914	10012	-2098
EX2S23	10Y-24H	22700	24771	-2071
EX2S23	10Y-8H	21296	23454	-2158
EX2S23	25Y-72H	112072	115486	-3414

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S24	100Y-1H	6177	6162	15
EX2S24	100Y-24H	108750	108830	-81
EX2S24	100Y-8H	25262	25276	-14
EX2S24	10Y-1H	3145	3140	5
EX2S24	10Y-24H	11789	11805	-16
EX2S24	10Y-8H	7798	7796	2
EX2S24	25Y-72H	102762	102682	80

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S25	100Y-1H	3330	3330	0
EX2S25	100Y-24H	15484	15484	0
EX2S25	100Y-8H	9569	9569	0
EX2S25	10Y-1H	1589	1589	0
EX2S25	10Y-24H	8502	8502	0
EX2S25	10Y-8H	5544	5544	0
EX2S25	25Y-72H	14792	14792	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S26	100Y-1H	4115	4116	0
EX2S26	100Y-24H	19686	19686	0
EX2S26	100Y-8H	12077	12077	0
EX2S26	10Y-1H	1924	1924	0
EX2S26	10Y-24H	10710	10710	0
EX2S26	10Y-8H	6928	6928	0
EX2S26	25Y-72H	18794	18794	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S27	100Y-1H	5466	5466	0
EX2S27	100Y-24H	14835	14835	0
EX2S27	100Y-8H	10520	10520	0
EX2S27	10Y-1H	3728	3728	0
EX2S27	10Y-24H	9711	9711	0
EX2S27	10Y-8H	7375	7375	0
EX2S27	25Y-72H	14340	14340	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S28	100Y-1H	23280	23227	53
EX2S28	100Y-24H	63168	63121	47
EX2S28	100Y-8H	44795	44748	47
EX2S28	10Y-1H	15893	15825	69
EX2S28	10Y-24H	41351	41304	47
EX2S28	10Y-8H	31402	31356	47
EX2S28	25Y-72H	61067	61016	51

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S29	100Y-1H	13401	13406	-5
EX2S29	100Y-24H	36369	36369	0
EX2S29	100Y-8H	25791	25791	0
EX2S29	10Y-1H	9139	9160	-21
EX2S29	10Y-24H	23808	23808	0
EX2S29	10Y-8H	18080	18080	0
EX2S29	25Y-72H	35157	35162	-4

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S32	100Y-1H	36442	36018	423
EX2S32	100Y-24H	123153	122603	550
EX2S32	100Y-8H	81338	80737	602
EX2S32	10Y-1H	23044	22650	394
EX2S32	10Y-24H	73771	73303	468
EX2S32	10Y-8H	52619	52198	420
EX2S32	25Y-72H	118709	117493	1216

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S35	100Y-1H	5466	5466	0
EX2S35	100Y-24H	14835	14835	0
EX2S35	100Y-8H	10520	10520	0
EX2S35	10Y-1H	3728	3728	0
EX2S35	10Y-24H	9711	9711	0
EX2S35	10Y-8H	7375	7375	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S35	25Y-72H	14340	14344	-4

Node Mass Balance Condensed [Scenario1]

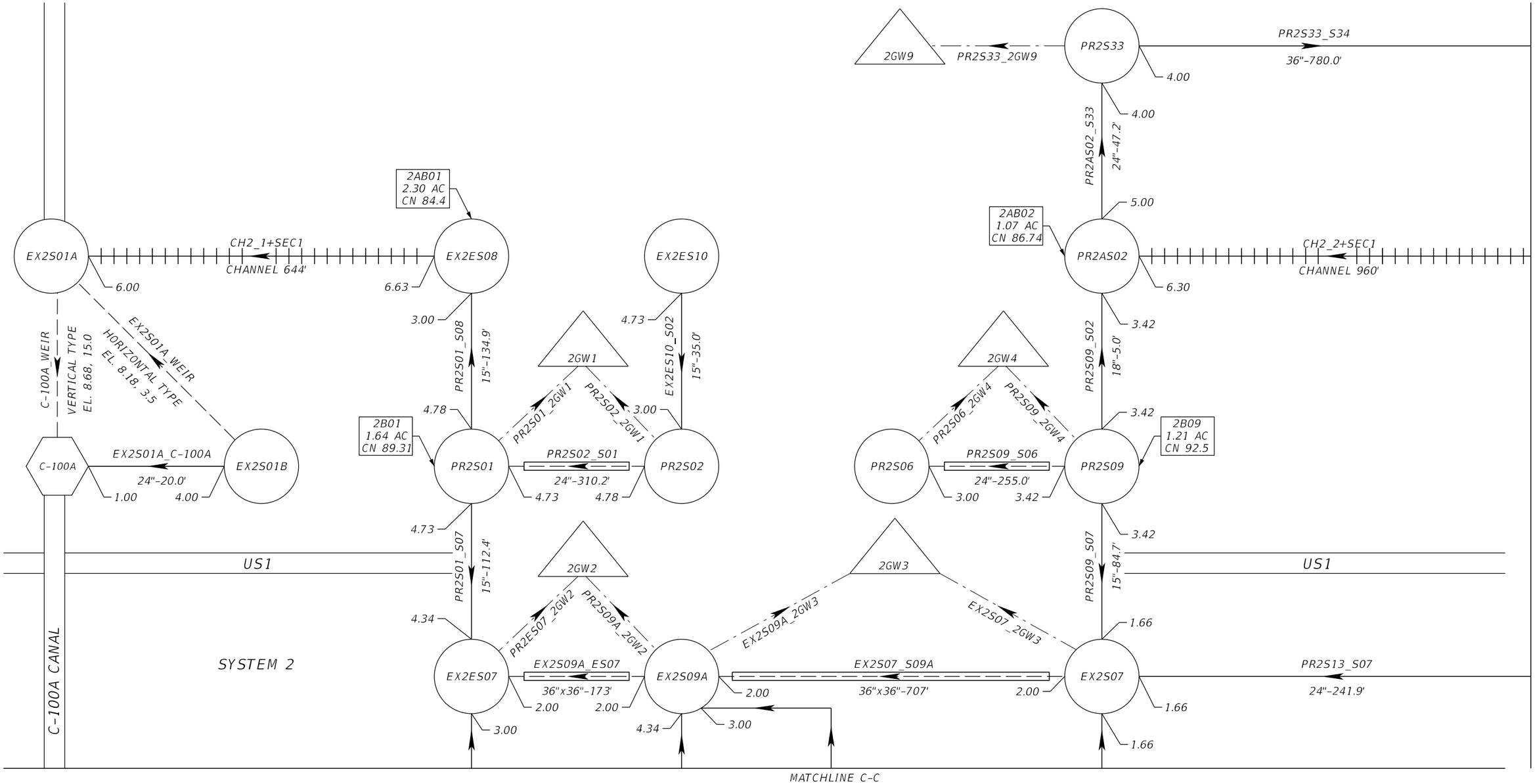
Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S36	100Y-1H	28240	29322	-1083
EX2S36	100Y-24H	96554	97635	-1082
EX2S36	100Y-8H	63651	64734	-1083
EX2S36	10Y-1H	17626	18709	-1083
EX2S36	10Y-24H	57694	58774	-1081
EX2S36	10Y-8H	41017	42100	-1083
EX2S36	25Y-72H	92710	94231	-1521

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 2E1	100Y-1H	28953	6	28947
POND 2E1	100Y-24H	157540	94763	62776
POND 2E1	100Y-8H	78527	16139	62388
POND 2E1	10Y-1H	16328	0	16328
POND 2E1	10Y-24H	64488	2820	61668
POND 2E1	10Y-8H	43296	7	43289
POND 2E1	25Y-72H	151256	88664	62592

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 2E2	100Y-1H	43503	13659	29844
POND 2E2	100Y-24H	165043	101034	64009
POND 2E2	100Y-8H	105635	42016	63620
POND 2E2	10Y-1H	25748	8739	17008
POND 2E2	10Y-24H	95111	32234	62876
POND 2E2	10Y-8H	65656	21432	44223
POND 2E2	25Y-72H	157851	94172	63679



LEGEND

B-### ##.## AC CN ##.# — CONTRIBUTING BASIN, BASIN NAME, BASIN AREA, CURVE NUMBER	NODE NAME — BOUNDARY NODE WITH CONSTANT TAILWATER	###-### ##"-###' #.## #.## — EXFILTRATION TRENCH LINK WITH SIZE-LENGTH INVERT ELEVATION	####_WEIR VERTICAL TYPE EL. #.##, ## — WEIR LINK WITH WEIR TYPE ELEVATION, WIDTH	###### CHANNEL ###' #.## #.## — CHANNEL LINK WITH LENGTH INVERT ELEVATION
#-### — NODE NAME	NODE NAME — BOUNDARY NODE WITH VARIABLE TAILWATER	###-### (#)##"-###' #.## #.## — PIPE LINK WITH (QUANTITY)SIZE-LENGTH INVERT ELEVATION	##_## — RATING CURVE LINK	

N.T.S.

1 OF 4

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

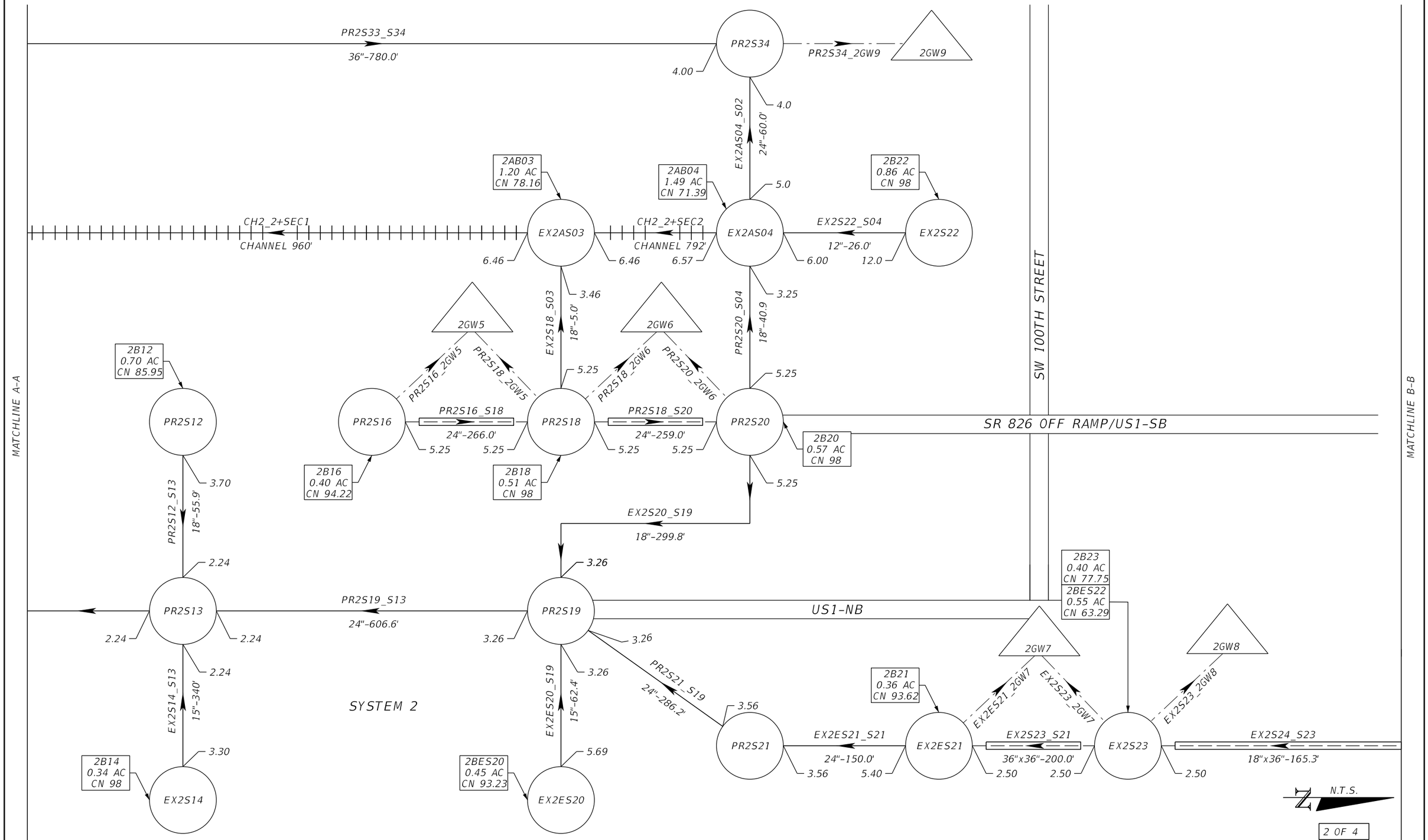
AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-1



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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

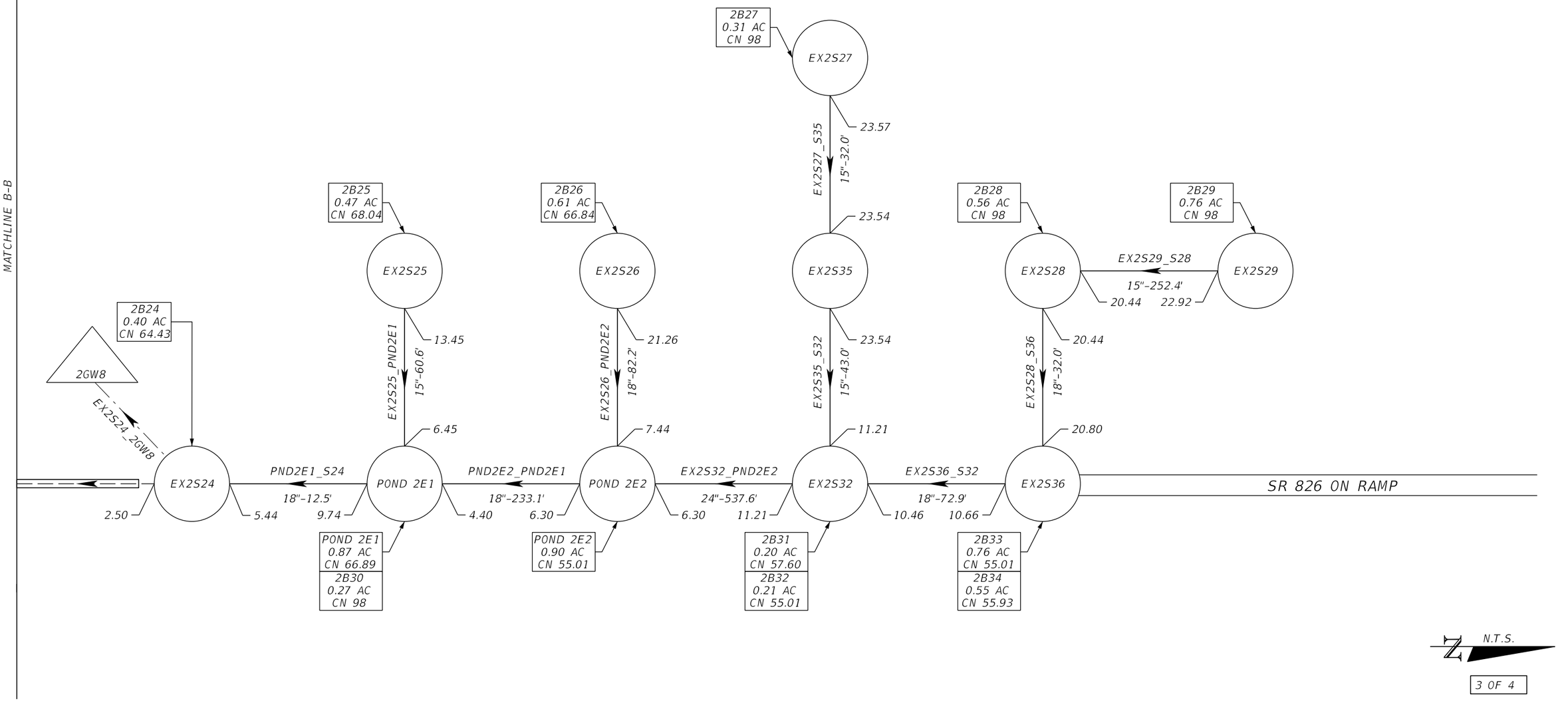
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-2

MATCHLINE B-B

SYSTEM 2



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MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

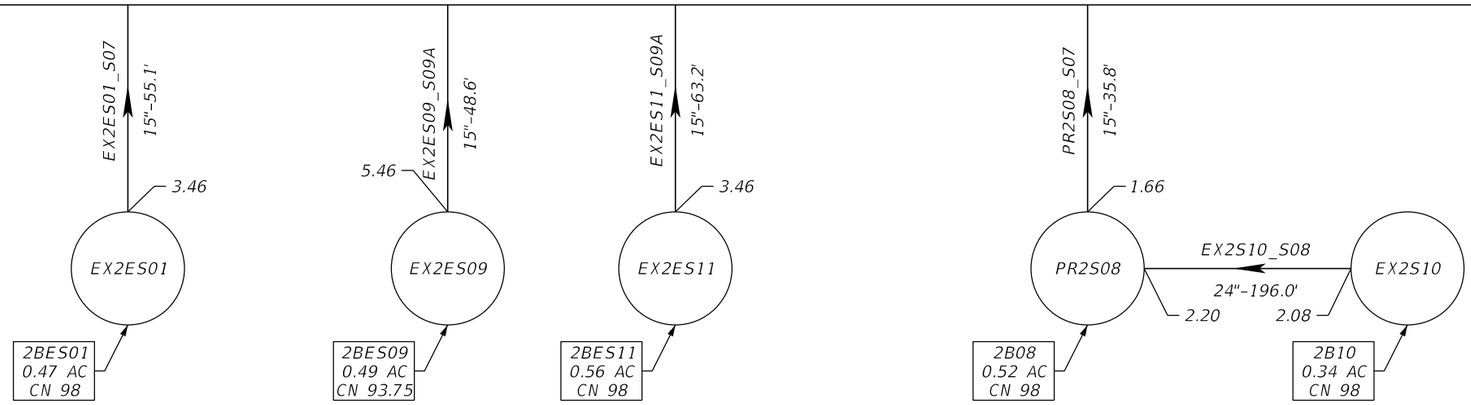
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-3

MATCHLINE C-C

SYSTEM 2



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
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RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 9A	MIAMI-DADE	437053-4-52-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-4

Simple Basin: 2AB01

Scenario:	Scenario1
Node:	EX2ES08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.3000 ac
Curve Number:	84.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2AB02

Scenario:	Scenario1
Node:	PR2AS02
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0700 ac
Curve Number:	86.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2AB03

Scenario:	Scenario1
Node:	EX2AS03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2000 ac
Curve Number:	78.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2AB04

Scenario:	Scenario1
Node:	EX2AS04
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.4900 ac
Curve Number:	71.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B01

Scenario:	Scenario1
Node:	PR2S01
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.6400 ac
Curve Number:	89.3
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B08

Scenario:	Scenario1
Node:	PR2S08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B09

Scenario:	Scenario1
Node:	PR2S09
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2100 ac
Curve Number:	92.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B10

Scenario:	Scenario1
Node:	EX2S10
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B12

Scenario:	Scenario1
Node:	PR2S12
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7000 ac
Curve Number:	86.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B14

Scenario:	Scenario1
Node:	EX2S14
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B16

Scenario:	Scenario1
Node:	PR2S16
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4000 ac
Curve Number:	94.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B18

Scenario:	Scenario1
Node:	PR2S18
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B20

Scenario:	Scenario1
Node:	PR2S20
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B21

Scenario:	Scenario1
Node:	EX2ES21
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3600 ac
Curve Number:	93.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B22

Scenario:	Scenario1
Node:	PR2S22
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B23

Scenario:	Scenario1
Node:	EX2S23
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4000 ac
Curve Number:	77.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B24

Scenario:	Scenario1
Node:	EX2S24
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4000 ac
Curve Number:	64.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B25

Scenario:	Scenario1
Node:	EX2S25
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4700 ac
Curve Number:	68.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B26

Scenario:	Scenario1
Node:	EX2S26
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6100 ac
Curve Number:	66.8
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B27

Scenario:	Scenario1
Node:	EX2S27
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B28

Scenario:	Scenario1
Node:	EX2S28
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B29

Scenario:	Scenario1
Node:	EX2S29
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B30-OFFSITE

Scenario:	Scenario1
Node:	POND 2E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B31

Scenario:	Scenario1
Node:	EX2S32
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2000 ac
Curve Number:	57.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B32

Scenario:	Scenario1
Node:	EX2S32
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2100 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B33

Scenario:	Scenario1
Node:	EX2S36
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7600 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2B34

Scenario:	Scenario1
Node:	EX2S36
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5500 ac
Curve Number:	55.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2BES01

Scenario:	Scenario1
Node:	EX2ES01
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2BES09

Scenario:	Scenario1
Node:	EX2ES09
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4900 ac
Curve Number:	93.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2BES11

Scenario:	Scenario1
Node:	EX2ES11
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2BES20

Scenario:	Scenario1
Node:	EX2ES20
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4500 ac
Curve Number:	93.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 2BES21

Scenario:	Scenario1
Node:	EX2S23
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5500 ac
Curve Number:	63.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 2E1

Scenario:	Scenario1
Node:	POND 2E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8700 ac
Curve Number:	66.9
% Impervious:	0.00
% DCIA:	0.00

% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: POND 2E2

Scenario: Scenario1
Node: POND 2E2
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.9000 ac
Curve Number: 55.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Node: 2GW1

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 2GW1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 2GW2

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs

Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 2GW2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 2GW3

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 2GW3

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 2GW4

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 2GW4

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 2GW5

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs

Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 2GW5

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 2GW6

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 2GW6

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 2GW7

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 2GW7

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 2GW8

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs

Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 2GW8

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: 2GW9

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 3.46 ft
Boundary Stage: 2GW9

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.46
0	0	0	999.0000	1.46

Comment:

Node: C-100A

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.95 ft
Warning Stage: 3.95 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.95
0	0	0	999.0000	1.95

Comment: 1.95' TAKEN FROM FIELD VISIT

Node: EX2AS03

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 3.46 ft
Warning Stage: 9.46 ft

Stage [ft]	Area [ac]	Area [ft2]
3.46	0.0003	12
6.00	0.1320	5750
7.00	0.1600	6970
8.00	0.4000	17424
9.00	0.6600	28750

Comment: SWALE NODE

SWALE AREA ADDED AS STORAGE

Node: EX2AS04

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.25 ft
Warning Stage: 9.57 ft

Stage [ft]	Area [ac]	Area [ft2]
3.25	0.0003	12
6.00	0.0330	1437
7.00	0.0800	3485
8.00	0.2000	8712
9.00	0.3300	14375

Comment: CHANNEL NODE

WARNING ELEVATION TAKEN AT BERM

Node: EX2ES01

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.46 ft
Warning Stage: 10.25 ft

Stage [ft]	Area [ac]	Area [ft2]
1.46	0.0003	12
9.66	0.0003	12
9.67	0.0028	122

Comment:

Node: EX2ES07

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 10.77 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0030	131
5.00	0.0030	131
5.01	0.0009	39
10.77	0.0009	39
10.78	0.0090	392

Comment: MANHOLE RIM ELEVATION TAKEN FROM SURVEY

Node: EX2ES08

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 9.90 ft

Stage [ft]	Area [ac]	Area [ft2]
1.46	0.0014	61
6.50	0.0500	2178
7.00	0.1100	4792
8.00	0.2900	12632
9.00	0.4600	20038

Comment: DBI ELEVATION TAKEN FROM SURVEY

WARNING STAGE TAKEN AT BERM ELEVATION

ES-08 FRO FPID 433489-1-52-01

SWALE AREA ADDED AS STORAGE

Node: EX2ES09

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.46 ft
Warning Stage: 10.10 ft

Stage [ft]	Area [ac]	Area [ft2]
1.46	0.0003	12
9.66	0.0003	12
9.67	0.0028	122

Comment: ES-09 FROM FPID 433489-1-52-01

WARNING ELEVATION TAKEN AT SIDEWALK ELEVATION

Node: EX2ES10

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 9.59 ft

Stage [ft]	Area [ac]	Area [ft2]
2.50	0.0014	61
9.59	0.0014	61
9.60	0.0141	613

Comment: ELEVATION TAKEN FROM SURVEY

Node: EX2ES11

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.46 ft
Warning Stage: 10.10 ft

Stage [ft]	Area [ac]	Area [ft2]
1.46	0.0003	12
9.66	0.0003	12
9.67	0.0028	122

Comment:

Node: EX2ES20

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.69 ft

Warning Stage: 10.32 ft

Stage [ft]	Area [ac]	Area [ft2]
3.69	0.0003	12
9.89	0.0003	12
9.90	0.0028	122

Comment: ES-20 FROM FPID 433489-1-52-01

ELEVATION TAKEN FROM SURVEY

WARNING ELEVATION TAKEN FROM SIDEWALK

Node: EX2ES21

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.40 ft
Warning Stage: 10.50 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0034	148
5.00	0.0034	148
5.01	0.0003	13
9.19	0.0003	13
9.20	0.0028	122

Comment: ES-21 FROM FPID 433489-1-52-01

ELEVATION TAKEN FROM SURVEY

WARNING ELEVATION TAKEN FROM SIDEWALK

Node: EX2S01A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 9.50 ft

Stage [ft]	Area [ac]	Area [ft2]
1.46	0.0003	14
8.18	0.0003	14
8.19	0.0032	140

Comment: CONTROL STUCTURE THAT DISCHARGES INTO C-100A CANAL

Node: EX2S01B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 9.50 ft

Stage [ft]	Area [ac]	Area [ft2]
1.46	0.0003	14
8.18	0.0003	14
8.19	0.0032	140

Comment:

Node: EX2S07

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.66 ft
Warning Stage: 11.18 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0122	531
5.00	0.0122	531
5.01	0.0009	39
11.02	0.0009	39
11.03	0.0090	392

Comment: S-07 FROM FPID 433489-1-52-01

Node: EX2S09A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 11.02 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0152	660
5.00	0.0152	660

Stage [ft]	Area [ac]	Area [ft2]
5.01	0.0009	39
11.02	0.0009	39
11.03	0.0090	392

Comment: MANHOLE RIM ELEVATION TAKEN FROM SURVEY

Node: EX2S10

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.08 ft
Warning Stage: 8.82 ft

Stage [ft]	Area [ac]	Area [ft2]
2.08	0.0003	12
8.82	0.0003	12
8.83	0.0028	122

Comment: S-10 FROM FPID 433489-1-52-01

Node: EX2S14

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.30 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.30	0.0003	12
8.73	0.0003	12
8.74	0.0028	122

Comment: S-14 FROM FPID 433489-1-52-01

WARNINING STAGE TAKEN AT SIDEWALK ELEVATION

Node: EX2S19

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 3.26 ft
Warning Stage: 11.56 ft

Stage [ft]	Area [ac]	Area [ft2]
1.25	0.0003	12
11.56	0.0003	12
11.57	0.0028	122

Comment: S-19 FROM FPID 433489-1-52-01

Node: EX2S23

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.40 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0063	274
5.00	0.0063	274
5.01	0.0006	24
8.00	0.0006	24
8.01	0.0056	244

Comment: GRATE ELEVATION INTERPOLATED BETWEEN EX2S08 AND EX327 WITH MIAMI-DADE DEM DATA

DBI DESIGN TAKEN FROM FDOT DRAINAGE DESIGN GUIDE 2019

WARNING STAGE TAKEN AT DITCH ELEVATION

Node: EX2S24

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0028	122
5.00	0.0028	122
5.01	0.0003	12
9.74	0.0003	12
9.75	0.0028	122

Comment: S-1 FROM FIN 87260-3512

WARNING STAGE TAKEN AT DITCH ELEVATION

Node: EX2S25

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.45 ft
Warning Stage: 16.90 ft

Stage [ft]	Area [ac]	Area [ft2]
13.44	0.0003	12
16.90	0.0003	12
16.91	0.0028	122

Comment: S-3 FROM FIN 87260-3512

Node: EX2S26

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 21.26 ft
Warning Stage: 27.96 ft

Stage [ft]	Area [ac]	Area [ft2]
21.26	0.0003	12
27.96	0.0003	12
27.97	0.0028	122

Comment: S-6 FROM FIN 87260-3512

Node: EX2S27

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 23.57 ft
Warning Stage: 27.75 ft

Stage [ft]	Area [ac]	Area [ft2]
23.75	0.0003	12
27.75	0.0003	12
27.76	0.0028	122

Comment: S-14 FROM FIN 87260-3512

Node: EX2S28

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.44 ft
Warning Stage: 24.22 ft

Stage [ft]	Area [ac]	Area [ft2]
20.44	0.0003	12
24.22	0.0003	12
24.23	0.0028	122

Comment: S-16 FROM FIN 87260-3512

Node: EX2S29

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 22.92 ft
Warning Stage: 27.42 ft

Stage [ft]	Area [ac]	Area [ft2]
20.77	0.0003	12
27.42	0.0003	12
27.43	0.0028	122

External Hydrograph

Comment: S-17 FROM FIN 87260-3512

Node: EX2S32

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.75 ft
Warning Stage: 13.50 ft

Stage [ft]	Area [ac]	Area [ft2]
6.75	0.0003	12
11.21	0.0003	12
11.22	0.0028	122

Comment: DOWNSTREAM SECTION OF S-13 FROM FIN 87260-3512

Node: EX2S35

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 23.54 ft
Warning Stage: 30.53 ft

Stage [ft]	Area [ac]	Area [ft2]
23.54	0.0003	12
30.53	0.0003	12
30.54	0.0028	122

Comment: UPSTREAM SECTION OF S-13 FROM FIN 87260-3512

Node: EX2S36

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.80 ft
Warning Stage: 26.50 ft

Stage [ft]	Area [ac]	Area [ft2]
10.66	0.0003	12
26.50	0.0003	12
26.51	0.0028	122

Comment: S-15 FROM FIN 87260-3512

Node: POND 2E1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.45 ft
Warning Stage: 11.45 ft

Stage [ft]	Area [ac]	Area [ft2]
5.45	0.0900	3920
6.45	0.1400	6098
7.45	0.2900	12632
11.45	0.8700	37897

Comment: FIN 87260-3512

Node: POND 2E2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.45 ft
Warning Stage: 11.45 ft

Stage [ft]	Area [ac]	Area [ft2]
5.45	0.0800	3485
6.45	0.1400	6098
7.45	0.2800	12197
11.45	0.9000	39204

Comment: FIN 87260-3512

Node: PR2AS02

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.78 ft
Warning Stage: 9.78 ft

Stage [ft]	Area [ac]	Area [ft2]
2.78	0.0003	12
6.00	0.0330	1437
7.00	0.0800	3485
8.00	0.2000	8712
9.00	0.3300	14375

Comment: CHANNEL NODE

SWALE AREA ADDED AS STORAGE

Node: PR2S01

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.73 ft
Warning Stage: 8.83 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.67	0.0080	348
8.33	0.0080	348
8.34	0.0003	12
8.83	0.0003	12
8.84	0.0028	122

Comment: S-01 FROM FPID 433489-1-52-01

Node: PR2S02

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.78 ft
Warning Stage: 8.91 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.67	0.0080	348
8.33	0.0080	348
8.34	0.0003	12
8.91	0.0003	12
8.92	0.0028	122

Comment: S-02 FROM FPID 433489-1-52-01

Node: PR2S06

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 8.83 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.80	0.0066	287
7.20	0.0066	287
7.21	0.0005	21
8.82	0.0005	21
8.83	0.0048	209

Comment: S-06 FROM FPID 433489-1-52-01

Node: PR2S08

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.20 ft
Warning Stage: 9.23 ft

Stage [ft]	Area [ac]	Area [ft2]
2.20	0.0003	12
9.23	0.0003	12
9.24	0.0028	122

Comment: S-08 FROM FPID 433489-1-52-01

Node: PR2S09

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.42 ft
Warning Stage: 9.33 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.80	0.0066	287
7.20	0.0066	287
7.21	0.0005	21
9.33	0.0005	21
9.34	0.0048	209

Comment: S-09 FROM FPID 433489-1-52-01

Node: PR2S12

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.70 ft
Warning Stage: 10.25 ft

Stage [ft]	Area [ac]	Area [ft2]
1.07	0.0003	12
7.31	0.0003	12

Stage [ft]	Area [ac]	Area [ft2]
7.32	0.0028	122

Comment: S-12 FROM FPID 433489-1-52-01

WARNING STAGE TAKEN AT BERM ELEVATION

Node: PR2S13

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 10.10 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0009	39
10.10	0.0009	39
10.11	0.0090	392

Comment: S-13 FROM FPID 433489-1-52-01

Node: PR2S16

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.25 ft
Warning Stage: 10.90 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.45	0.0059	257
8.55	0.0059	257
8.56	0.0003	12
10.90	0.0003	12
10.91	0.0028	122

Comment: S-16 FROM FPID 433489-1-52-01

Node: PR2S18

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.25 ft

Warning Stage: 11.55 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.70	0.0131	570
8.00	0.0131	570
8.01	0.0006	24
11.55	0.0006	24
11.56	0.0056	244

Comment: S-18 FROM FPID 433489-1-52-01

Node: PR2S20

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.25 ft
Warning Stage: 12.29 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.70	0.0072	314
8.00	0.0072	314
8.01	0.0003	12
12.29	0.0003	12
12.30	0.0028	122

Comment: S-20 FROM FPID 433489-1-52-01

Node: PR2S21

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.56 ft
Warning Stage: 11.39 ft

Stage [ft]	Area [ac]	Area [ft2]
3.51	0.0003	12
11.39	0.0003	12
11.40	0.0028	122

Comment: S-21 FROM FPID 433489-1-52-01

Node: PR2S22

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 18.72 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0003	12
18.72	0.0003	12
18.73	0.0028	122

Comment: DRAINAGE STRUCTURE FROM FIELD REVIEW

Node: PR2S33

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 9.50 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.50	0.0127	553
8.50	0.0127	553
8.51	0.0005	21
9.50	0.0005	21
9.51	0.0048	209

Comment:

Node: PR2S34

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.46 ft
Warning Stage: 9.50 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.50	0.0127	553
8.50	0.0127	553
8.51	0.0005	21
9.50	0.0005	21
9.51	0.0048	209

Comment:

Weir Link: C-100A_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	EX2S01A	Default:	0.00 ft
To Node:	C-100A	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	8.68 ft	Discharge Coefficients	
Control Elevation:	8.68 ft	Weir Default:	2.800
Max Depth:	3.50 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	15.00 ft	Orifice Table:	
Left Slope:	4.000 (h:v)		
Right Slope:	4.000 (h:v)		
Comment: OVERLAND WEIR			

Channel Link: CH2_1+SEC1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.63 ft	Invert:	6.00 ft
From Node:	EX2ES08	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	EX2S01A	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	644.00 ft	Left Slope:	0.270 (h:v)	Left Slope:	0.270 (h:v)
Contraction Coef:	0.00	Right Slope:	0.270 (h:v)	Right Slope:	0.270 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: CH2_2+SEC1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.46 ft	Invert:	6.30 ft
From Node:	EX2AS03	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	PR2AS02	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal

Damping:	0.0000 ft	Bottom Width:	3.00 ft	Bottom Width:	3.00 ft
Length:	960.00 ft	Left Slope:	0.270 (h:v)	Left Slope:	0.270 (h:v)
Contraction Coef:	0.00	Right Slope:	0.270 (h:v)	Right Slope:	0.270 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH2_2+SEC2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.57 ft	Invert:	6.46 ft
From Node:	EX2AS04	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	EX2AS03	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	3.00 ft	Bottom Width:	3.00 ft
Length:	792.00 ft	Left Slope:	0.270 (h:v)	Left Slope:	0.270 (h:v)
Contraction Coef:	0.00	Right Slope:	0.270 (h:v)	Right Slope:	0.270 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX2AS04_S34		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	4.00 ft
From Node:	EX2AS04	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR2S34	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	60.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX2ES01_S07		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.46 ft	Invert:	3.00 ft
From Node:	EX2ES01	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2ES07	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	55.10 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX2ES07_2GW2

Scenario:	Scenario1
From Node:	EX2ES07
To Node:	2GW2
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX2ES07_2GW2	1.46	EX2ES07	1.46	EX2ES07

Comment:

Pipe Link: EX2ES09_S09A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.46 ft	Invert:	4.34 ft
From Node:	EX2ES09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S09A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	48.60 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" PIPE

FPID 433489-1-52-01

Pipe Link: EX2ES10_S02		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.73 ft	Invert:	3.00 ft
From Node:	EX2ES10	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR2S02	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	35.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" PIPE

FPID 433489-1-52-01

Pipe Link: EX2ES11_S09A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.46 ft	Invert:	3.00 ft
From Node:	EX2ES11	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S09A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	63.20 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" PIPE

Pipe Link: EX2ES20_S19		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.69 ft	Invert:	3.26 ft
From Node:	EX2ES20	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S19	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	62.40 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX2ES21_2GW7	
Scenario:	Scenario1
From Node:	EX2ES21
To Node:	2GW7
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX2ES21_2GW7	1.46	EX2ES21	1.46	EX2ES21

Comment:

Pipe Link: EX2ES21_S21		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.40 ft	Invert:	3.56 ft
From Node:	EX2ES21	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR2S21	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	150.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUME 24" PIPE

Weir Link: EX2S01A_WEIR

Scenario:	Scenario1	Bottom Clip			
From Node:	EX2S01A	Default:	0.00 ft		
To Node:	EX2S01B	Op Table:			
Link Count:	1	Ref Node:			
Flow Direction:	Both	Top Clip			
Damping:	0.0000 ft	Default:	0.00 ft		
Weir Type:	Horizontal	Op Table:			
Geometry Type:	Rectangular	Ref Node:			
Invert:	8.18 ft	Discharge Coefficients			
Control Elevation:	8.18 ft	Weir Default:	2.800		
Max Depth:	5.00 ft	Weir Table:			
Max Width:	3.50 ft	Orifice Default:	0.600		
Fillet:	0.00 ft	Orifice Table:			

Comment:

Pipe Link: EX2S01B_C-100A

		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.00 ft	Invert:	1.00 ft
From Node:	EX2S01B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	C-100A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	20.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" PIPE

FPID 433489-1-52-01

Rating Curve Link: EX2S07_2GW3

Scenario: Scenario1
From Node: EX2S07
To Node: 2GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX2S09A_2GW3	1.46	EX2S07	1.46	EX2S07

Comment:

Pipe Link: EX2S07_S09A

Scenario: Scenario1
From Node: EX2S07
To Node: EX2S09A
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 707.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	2.00 ft	Invert:	2.00 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Rectangular		Geometry: Rectangular	
Max Depth:	3.00 ft	Max Depth:	3.00 ft
Max Width:	3.00 ft	Max Width:	3.00 ft
Fillet:	0.00 ft	Fillet:	0.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: SLAB-COVERED TRENCH FROM FPID 425513-1-52-01

Rating Curve Link: EX2S09A_2GW2

Scenario: Scenario1
From Node: EX2S09A
To Node: 2GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX2ES07_2GW2	1.46	EX2S09A	1.46	EX2S09A

Comment:

Rating Curve Link: EX2S09A_2GW3

Scenario: Scenario1
From Node: EX2S09A
To Node: 2GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX2S09A_2GW3	1.46	EX2S09A	1.46	EX2S09A

Comment:

Pipe Link: EX2S09A_ES07		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.00 ft	Invert:	2.00 ft
From Node:	EX2S09A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2ES07	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	173.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: SLAB-COVERED TRENCH FROM FPID 425513-1-52-01

Pipe Link: EX2S10_S08		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.08 ft	Invert:	2.20 ft
From Node:	EX2S10	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR2S08	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	196.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: EX2S14_S13		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.30 ft	Invert:	2.24 ft
From Node:	EX2S14	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR2S13	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	340.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 15" PIPE

Pipe Link: EX2S19_S13		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.26 ft	Invert:	2.24 ft
From Node:	EX2S19	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR2S13	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	606.60 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" PIPE

FPID 433489-1-52-01

Rating Curve Link: EX2S23_2GW7	
Scenario:	Scenario1
From Node:	EX2S23
To Node:	2GW7
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX2ES21_2GW7	1.46	EX2S23	1.46	EX2S23

Comment:

Rating Curve Link: EX2S23_2GW8

Scenario: Scenario1
From Node: EX2S23
To Node: 2GW8
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX2S23_2GW8	1.46	EX2S23	1.46	EX2S23

Comment:

Pipe Link: EX2S23_S21

Scenario: Scenario1
From Node: EX2S23
To Node: EX2ES21
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 200.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	2.50 ft	Invert:	2.50 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Rectangular		Geometry: Rectangular	
Max Depth:	3.00 ft	Max Depth:	3.00 ft
Max Width:	3.00 ft	Max Width:	3.00 ft
Fillet:	0.00 ft	Fillet:	0.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING SLAB COVERED TRENCH DRAIN

Rating Curve Link: EX2S24_2GW8

Scenario: Scenario1
From Node: EX2S24
To Node: 2GW8
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX2S23_2GW8	1.46	EX2S24	1.46	EX2S24

Comment:

Pipe Link: EX2S24_S23		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.50 ft	Invert:	2.50 ft
From Node:	EX2S24	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S23	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	1.50 ft	Max Width:	1.50 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	165.30 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: SLAB-COVERED TRENCH FROM FIN 87260-3512

Pipe Link: EX2S25_PND2E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	13.45 ft	Invert:	6.45 ft
From Node:	EX2S25	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 2E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	60.60 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" PIPE

FIN 87260-3512

Pipe Link: EX2S26_PND2E2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	21.26 ft	Invert:	7.44 ft
From Node:	EX2S26	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 2E2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	82.20 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: EX2S27_S35		Upstream		Downstream	
Scenario:	Scenario1	Invert:	23.57 ft	Invert:	23.54 ft
From Node:	EX2S27	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S35	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	32.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" PIPE

FIN 87260-3512

Pipe Link: EX2S28_S36		Upstream		Downstream	
Scenario:	Scenario1	Invert:	20.44 ft	Invert:	20.80 ft
From Node:	EX2S28	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S36	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	32.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 18" PIPE

FIN 87260-3512

Pipe Link: EX2S29_S28		Upstream		Downstream	
Scenario:	Scenario1	Invert:	22.92 ft	Invert:	20.44 ft
From Node:	EX2S29	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S28	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	252.40 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" PIPE

FIN 87260-3512

Pipe Link: EX2S32_PND2E2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	11.21 ft	Invert:	6.30 ft
From Node:	EX2S32	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 2E2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	537.60 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" PIPE

FIN 87260-3512

Pipe Link: EX2S35_S32	Upstream	Downstream

Scenario:	Scenario1	Invert:	23.54 ft	Invert:	11.21 ft
From Node:	EX2S35	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S32	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	43.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" PIPE

FIN 87260-3512

Pipe Link: EX2S36_S32		Upstream		Downstream	
Scenario:	Scenario1	Invert:	10.66 ft	Invert:	10.46 ft
From Node:	EX2S36	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S32	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	72.90 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 18" PIPE

FIN 87260-3512

Pipe Link: PND2E1_S24		Upstream		Downstream	
Scenario:	Scenario1	Invert:	9.74 ft	Invert:	5.44 ft
From Node:	POND 2E1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S24	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	12.50 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: PND2E2_PND2E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.30 ft	Invert:	4.40 ft
From Node:	POND 2E2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 2E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	233.10 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: PR2AS02_S33		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	4.00 ft
From Node:	PR2AS02	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR2S33	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	47.20 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR2S01_2GW1

Scenario: Scenario1
From Node: PR2S01
To Node: 2GW1
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR2S01_2GW1	1.46	PR2S01	1.46	PR2S01

Comment:

Pipe Link: PR2S01_S07		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.73 ft	Invert:	4.34 ft
From Node:	PR2S01	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2ES07	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	112.40 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" PIPE

FPID 433489-1-52-01

Pipe Link: PR2S01_S08		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.78 ft	Invert:	3.00 ft
From Node:	PR2S01	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2ES08	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	134.90 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" PIPE

FROM FPID 433489-1-52-01

Rating Curve Link: PR2S02_2GW1

Scenario: Scenario1
From Node: PR2S02
To Node: 2GW1
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR2S01_2GW1	1.46	PR2S02	1.46	PR2S02

Comment:

Pipe Link: PR2S02_S01

Scenario: Scenario1
From Node: PR2S02
To Node: PR2S01
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 310.20 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	4.78 ft	Invert:	4.73 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" FD

FPID 433489-1-52-01

Rating Curve Link: PR2S06_2GW4

Scenario: Scenario1
From Node: PR2S06
To Node: 2GW4
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR2S06_2GW4	1.46	PR2S06	1.46	PR2S06

Comment:

Pipe Link: PR2S08_S07		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.20 ft	Invert:	1.66 ft
From Node:	PR2S08	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S07	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	35.80 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 15" PIPE

Rating Curve Link: PR2S09_2GW4	
Scenario:	Scenario1
From Node:	PR2S09
To Node:	2GW4
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR2S06_2GW4	1.46	PR2S09	1.46	PR2S09

Comment:

Pipe Link: PR2S09_S02		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.42 ft	Invert:	3.42 ft
From Node:	PR2S09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR2AS02	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	5.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: PR2S09_S06		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.42 ft	Invert:	3.00 ft
From Node:	PR2S09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR2S06	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	255.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" FD

FPID 433489-1-52-01

Pipe Link: PR2S09_S07		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.42 ft	Invert:	1.66 ft
From Node:	PR2S09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S07	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	84.70 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" PIPE

FPID 433489-1-52-01

Pipe Link: PR2S12_S13		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.70 ft	Invert:	2.24 ft
From Node:	PR2S12	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR2S13	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	55.90 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 18" PIPE

FPID 433489-1-52-01

Pipe Link: PR2S13_S07		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.24 ft	Invert:	1.66 ft
From Node:	PR2S13	Manning's N:	0.1200	Manning's N:	0.1200
To Node:	EX2S07	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	241.90 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" PIPE

FPID 433489-1-52-01

Rating Curve Link: PR2S16_2GW5	
Scenario:	Scenario1
From Node:	PR2S16
To Node:	2GW5
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR2S16_2GW5	1.46	PR2S16	1.46	PR2S16

Comment:

Pipe Link: PR2S16_S18		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.25 ft	Invert:	5.25 ft
From Node:	PR2S16	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR2S18	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	266.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" FD

FPID 433489-1-52-01

Rating Curve Link: PR2S18_2GW5

Scenario:	Scenario1
From Node:	PR2S18
To Node:	2GW5
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR2S16_2GW5	1.46	PR2S18	1.46	PR2S18

Comment:

Rating Curve Link: PR2S18_2GW6

Scenario:	Scenario1
From Node:	PR2S18
To Node:	2GW6
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR2S18_2GW6	1.46	PR2S18	1.46	PR2S18

Comment:

Pipe Link: PR2S18_S03		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.25 ft	Invert:	3.46 ft
From Node:	PR2S18	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2AS03	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	5.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: PR2S18_S20		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.25 ft	Invert:	5.25 ft
From Node:	PR2S18	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR2S20	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	259.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" FD

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Rating Curve Link: PR2S20_2GW6

Scenario: Scenario1
From Node: PR2S20
To Node: 2GW6
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR2S18_2GW6	1.46	PR2S20	1.46	PR2S20

Comment:

Pipe Link: PR2S20_S04		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.25 ft	Invert:	3.25 ft
From Node:	PR2S20	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2AS04	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.90 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: ASSUMING 18" PIPE

Pipe Link: PR2S20_S19		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.25 ft	Invert:	3.26 ft
From Node:	PR2S20	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S19	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	299.80 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 18" PIPE

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Pipe Link: PR2S21_S19		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.56 ft	Invert:	3.26 ft
From Node:	PR2S21	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2S19	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	286.20 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" PIPE

FPID 433489-1-52-01

Pipe Link: PR2S22_S04		Upstream		Downstream	
Scenario:	Scenario1	Invert:	12.00 ft	Invert:	6.00 ft
From Node:	PR2S22	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX2AS04	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	26.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 12" PIPE

FPID 433489-1-52-01

Rating Curve Link: PR2S33_2GW9	
Scenario:	Scenario1
From Node:	PR2S33
To Node:	2GW9
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR2S33_2GW9	1.46	PR2S33	1.46	PR2S33

Comment:

Pipe Link: PR2S33_S34		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.00 ft	Invert:	4.00 ft
From Node:	PR2S33	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR2S34	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	780.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR2S34_2GW9

Scenario: Scenario1
From Node: PR2S34
To Node: 2GW9
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR2S33_2GW9	1.46	PR2S34	1.46	PR2S34

Comment:

Rating Curve: EX2ES07_2GW2

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	5.00	0.11
1.46	10.30	0.38
2.71	2.71	0.00

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
2.71	5.00	0.09
2.71	10.30	0.37

Comment:

Rating Curve: EX2ES21_2GW7

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	5.00	0.13
1.46	7.70	0.29
2.71	2.71	0.00
2.71	5.00	0.11
2.71	7.70	0.27

Comment:

Rating Curve: EX2S09A_2GW3

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	5.00	0.47
1.46	10.30	1.56
2.71	2.71	0.00
2.71	5.00	0.39
2.71	10.30	1.53

Comment:

Rating Curve: EX2S23_2GW8

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	5.00	0.11
1.46	7.70	0.24

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
2.71	2.71	0.00
2.71	5.00	0.09
2.71	7.70	0.23

Comment:

Rating Curve: PR2S01_2GW1

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	7.83	1.33
1.46	8.83	1.60
2.71	2.50	0.00
2.71	7.83	1.15
2.71	8.83	1.42

Comment:

Rating Curve: PR2S06_2GW4

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	7.20	0.96
1.46	8.94	1.33
2.71	2.50	0.00
2.71	7.20	0.81
2.71	8.94	1.18

Comment:

Rating Curve: PR2S16_2GW5

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	8.00	0.89

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	10.90	1.43
2.71	2.50	0.00
2.71	8.00	0.79
2.71	10.90	1.34

Comment:

Rating Curve: PR2S18_2GW6

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	8.00	0.73
1.46	10.90	1.20
2.71	2.50	0.00
2.71	8.00	0.66
2.71	10.90	1.14

Comment:

Rating Curve: PR2S33_2GW9

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.46	1.46	0.00
1.46	7.40	1.74
1.46	8.40	2.18
2.71	2.50	0.00
2.71	7.40	1.59
2.71	8.40	2.05

Comment:

Simulation: 100Y-1H

Scenario: Scenario1
Run Date/Time: 8/20/2019 3:17:00 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR

IA Recovery Time: 24.0000 hr

Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	5.10 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100Y-24H

Scenario: Scenario1
Run Date/Time: 8/20/2019 3:17:16 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.5000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 100YR-24HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 13.44 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 100Y-8H

Scenario: Scenario1
Run Date/Time: 8/20/2019 3:17:44 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 100YR-8HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	9.60 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-1H

Scenario: Scenario1
Run Date/Time: 8/20/2019 3:18:04 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.55 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-24H

Scenario: Scenario1

Run Date/Time: 8/20/2019 3:18:17 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 10YR-24HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	8.88 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-8H

Scenario:	Scenario1
Run Date/Time:	8/20/2019 3:18:42 PM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 10YR-8HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-8
Rainfall Amount: 6.80 in
Storm Duration: 8.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 25Y-72H

Scenario: Scenario1
Run Date/Time: 8/20/2019 3:18:57 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 25YR-72HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	13.00 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
2GW1	100Y-1H	3.46	1.46	0.0000	3.83	0.00	0
2GW2	100Y-1H	3.46	1.46	0.0000	0.76	0.00	0
2GW3	100Y-1H	3.46	1.46	0.0000	3.09	0.00	0
2GW4	100Y-1H	3.46	1.46	0.0000	2.45	0.00	0
2GW5	100Y-1H	3.46	1.46	0.0000	1.91	0.00	0
2GW6	100Y-1H	3.46	1.46	0.0000	1.57	0.00	0
2GW7	100Y-1H	3.46	1.46	0.0000	0.90	0.00	0
2GW8	100Y-1H	3.46	1.46	0.0000	0.75	0.00	0
2GW9	100Y-1H	3.46	1.46	0.0000	4.31	0.00	0
C-100A	100Y-1H	3.95	1.95	0.0000	6.49	0.00	0
EX2AS03	100Y-1H	9.46	8.34	0.0005	21.32	5.78	24805
EX2AS04	100Y-1H	9.57	8.34	0.0010	27.21	19.51	12241
EX2ES01	100Y-1H	10.25	10.41	0.0038	4.31	3.59	123
EX2ES07	100Y-1H	10.77	10.26	0.0070	8.25	5.81	667
EX2ES08	100Y-1H	9.90	8.50	0.0010	21.03	8.25	18324
EX2ES09	100Y-1H	10.10	10.39	0.0013	3.57	4.67	123
EX2ES10	100Y-1H	9.59	10.00	0.0047	5.29	1.02	613
EX2ES11	100Y-1H	10.10	10.49	0.0029	4.39	4.02	123
EX2ES20	100Y-1H	10.32	10.54	0.0010	3.25	3.98	123
EX2ES21	100Y-1H	10.50	10.48	0.0022	4.76	6.78	748
EX2S01A	100Y-1H	9.50	8.44	0.0024	8.25	6.49	3370
EX2S01B	100Y-1H	9.50	4.07	0.0007	6.49	6.49	113
EX2S07	100Y-1H	11.18	10.24	0.0067	11.04	10.72	2848
EX2S09A	100Y-1H	11.02	10.26	0.0104	14.18	6.58	3316
EX2S10	100Y-1H	8.82	10.72	0.0022	2.67	2.18	159
EX2S14	100Y-1H	10.00	10.97	0.0024	2.67	2.16	320
EX2S19	100Y-1H	11.56	10.42	0.0039	10.56	10.18	1127
EX2S23	100Y-1H	11.00	10.48	0.0029	6.63	17.51	822
EX2S24	100Y-1H	11.00	10.48	0.0141	17.22	2.35	246
EX2S25	100Y-1H	16.90	14.06	0.0002	1.67	1.66	113
EX2S26	100Y-1H	27.96	21.90	0.0002	2.07	2.06	113
EX2S27	100Y-1H	27.75	24.47	0.0003	2.43	2.43	113
EX2S28	100Y-1H	24.22	22.78	0.0010	10.30	10.29	211
EX2S29	100Y-1H	27.42	24.80	0.0008	5.96	5.92	164
EX2S32	100Y-1H	13.50	12.98	0.0287	32.39	15.83	682
EX2S35	100Y-1H	30.53	24.28	0.0002	2.43	2.43	113
EX2S36	100Y-1H	26.50	20.80	0.0287	12.66	32.39	113
POND 2E1	100Y-1H	11.45	8.38	0.0003	12.84	0.00	18496
POND 2E2	100Y-1H	11.45	8.41	0.0003	19.59	5.11	19006
PR2AS02	100Y-1H	9.78	8.34	0.0008	21.32	18.99	12572
PR2S01	100Y-1H	8.83	10.02	0.0020	15.44	14.13	1095
PR2S02	100Y-1H	8.91	10.00	0.0025	10.45	6.29	673
PR2S06	100Y-1H	8.83	8.46	0.0010	3.93	1.23	542
PR2S08	100Y-1H	9.23	10.64	0.0023	6.06	5.59	181
PR2S09	100Y-1H	9.33	8.47	0.0012	17.46	17.15	807
PR2S12	100Y-1H	10.25	10.73	0.0024	4.28	3.91	123

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR2S13	100Y-1H	10.10	10.64	0.0024	6.04	5.55	1110
PR2S16	100Y-1H	10.90	8.34	0.0010	2.94	2.81	523
PR2S18	100Y-1H	11.55	8.34	0.0009	12.97	12.21	1152
PR2S20	100Y-1H	12.29	8.35	0.0008	14.39	13.62	908
PR2S21	100Y-1H	11.39	10.46	0.0048	6.72	3.55	441
PR2S22	100Y-1H	18.72	15.64	0.0087	6.75	16.17	113
PR2S33	100Y-1H	9.50	8.33	0.0021	27.75	3.10	1767
PR2S34	100Y-1H	9.50	8.33	0.0011	19.51	10.47	2647
2GW1	100Y-24H	3.46	2.71	0.0002	2.38	0.00	0
2GW2	100Y-24H	3.46	2.71	0.0002	0.48	0.00	0
2GW3	100Y-24H	3.46	2.71	0.0002	1.95	0.00	0
2GW4	100Y-24H	3.46	2.71	0.0002	1.91	0.00	0
2GW5	100Y-24H	3.46	2.71	0.0002	1.55	0.00	0
2GW6	100Y-24H	3.46	2.71	0.0002	1.29	0.00	0
2GW7	100Y-24H	3.46	2.71	0.0002	0.56	0.00	0
2GW8	100Y-24H	3.46	2.71	0.0002	0.46	0.00	0
2GW9	100Y-24H	3.46	2.71	0.0002	3.47	0.06	0
C-100A	100Y-24H	3.95	1.95	0.0000	0.00	0.00	0
EX2AS03	100Y-24H	9.46	7.61	0.0003	2.42	1.39	16551
EX2AS04	100Y-24H	9.57	7.61	0.0012	3.71	2.87	8104
EX2ES01	100Y-24H	10.25	7.63	0.0013	0.64	0.71	113
EX2ES07	100Y-24H	10.77	7.63	0.0050	1.65	3.26	667
EX2ES08	100Y-24H	9.90	7.76	0.0010	2.96	1.95	12547
EX2ES09	100Y-24H	10.10	7.63	0.0010	0.66	0.81	113
EX2ES10	100Y-24H	9.59	7.64	0.0018	0.40	0.05	113
EX2ES11	100Y-24H	10.10	7.63	0.0009	0.76	0.86	113
EX2ES20	100Y-24H	10.32	7.67	0.0005	0.60	0.62	113
EX2ES21	100Y-24H	10.50	7.67	0.0109	4.43	6.86	448
EX2S01A	100Y-24H	9.50	7.76	0.0021	1.50	0.13	3350
EX2S01B	100Y-24H	9.50	3.00	0.0000	0.00	0.00	113
EX2S07	100Y-24H	11.18	7.62	0.0049	4.07	2.63	2847
EX2S09A	100Y-24H	11.02	7.63	0.0060	4.05	3.76	3316
EX2S10	100Y-24H	8.82	7.64	0.0008	0.46	0.48	159
EX2S14	100Y-24H	10.00	7.67	0.0006	0.46	0.44	218
EX2S19	100Y-24H	11.56	7.66	0.0015	2.60	2.71	1008
EX2S23	100Y-24H	11.00	7.67	0.0120	6.71	17.48	998
EX2S24	100Y-24H	11.00	7.67	0.0703	17.20	3.11	374
EX2S25	100Y-24H	16.90	13.77	0.0001	0.51	0.51	113
EX2S26	100Y-24H	27.96	21.60	0.0001	0.65	0.65	113
EX2S27	100Y-24H	27.75	23.93	0.0001	0.42	0.42	113
EX2S28	100Y-24H	24.22	21.51	0.0010	1.78	1.78	211
EX2S29	100Y-24H	27.42	23.39	0.0001	1.03	1.03	163
EX2S32	100Y-24H	13.50	12.02	0.1429	32.33	3.78	685
EX2S35	100Y-24H	30.53	23.83	0.0001	0.42	0.42	113
EX2S36	100Y-24H	26.50	20.80	0.1429	2.91	32.33	113
POND 2E1	100Y-24H	11.45	10.44	0.0003	3.35	2.45	31543
POND 2E2	100Y-24H	11.45	10.53	0.0005	5.10	1.90	33009

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR2AS02	100Y-24H	9.78	7.61	0.0005	2.72	2.60	8417
PR2S01	100Y-24H	8.83	7.65	0.0010	3.30	3.30	974
PR2S02	100Y-24H	8.91	7.64	0.0010	1.32	1.19	659
PR2S06	100Y-24H	8.83	7.60	0.0010	1.09	0.96	541
PR2S08	100Y-24H	9.23	7.63	0.0010	1.18	1.24	180
PR2S09	100Y-24H	9.33	7.61	0.0010	3.23	3.20	675
PR2S12	100Y-24H	10.25	7.67	0.0010	0.91	0.90	123
PR2S13	100Y-24H	10.10	7.67	0.0010	1.34	1.34	1092
PR2S16	100Y-24H	10.90	7.61	0.0010	0.92	0.78	523
PR2S18	100Y-24H	11.55	7.61	0.0010	2.29	2.19	1202
PR2S20	100Y-24H	12.29	7.61	0.0010	3.04	2.99	822
PR2S21	100Y-24H	11.39	7.67	0.0024	2.39	2.33	441
PR2S22	100Y-24H	18.72	12.54	0.0014	1.16	1.16	113
PR2S33	100Y-24H	9.50	7.60	0.0006	2.60	1.96	1767
PR2S34	100Y-24H	9.50	7.60	0.0010	2.87	3.04	1796
2GW1	100Y-8H	3.46	2.71	0.0003	3.25	0.00	0
2GW2	100Y-8H	3.46	2.71	0.0003	0.67	0.00	0
2GW3	100Y-8H	3.46	2.71	0.0003	2.72	0.00	0
2GW4	100Y-8H	3.46	2.71	0.0003	2.44	0.00	0
2GW5	100Y-8H	3.46	2.71	0.0003	2.01	0.00	0
2GW6	100Y-8H	3.46	2.71	0.0003	1.68	0.00	0
2GW7	100Y-8H	3.46	2.71	0.0003	0.85	0.00	0
2GW8	100Y-8H	3.46	2.71	0.0003	0.71	0.00	0
2GW9	100Y-8H	3.46	2.71	0.0003	4.70	0.07	0
C-100A	100Y-8H	3.95	1.95	0.0000	10.45	0.00	0
EX2AS03	100Y-8H	9.46	9.04	0.0004	15.33	5.04	32600
EX2AS04	100Y-8H	9.57	9.04	0.0010	16.83	5.76	16110
EX2ES01	100Y-8H	10.25	9.53	0.0010	1.91	1.86	113
EX2ES07	100Y-8H	10.77	9.47	0.0015	5.28	3.45	667
EX2ES08	100Y-8H	9.90	8.67	0.0009	13.37	10.46	19565
EX2ES09	100Y-8H	10.10	9.53	0.0005	1.97	1.92	113
EX2ES10	100Y-8H	9.59	9.37	0.0015	1.64	0.09	113
EX2ES11	100Y-8H	10.10	9.56	0.0010	2.27	2.22	113
EX2ES20	100Y-8H	10.32	10.15	0.0005	1.80	1.75	123
EX2ES21	100Y-8H	10.50	10.17	0.0022	4.37	6.78	448
EX2S01A	100Y-8H	9.50	8.54	0.0015	10.46	10.45	3367
EX2S01B	100Y-8H	9.50	4.40	0.0004	10.45	10.45	113
EX2S07	100Y-8H	11.18	9.47	0.0010	6.96	6.90	2848
EX2S09A	100Y-8H	11.02	9.47	0.0019	4.77	6.04	3316
EX2S10	100Y-8H	8.82	9.65	0.0008	1.38	1.33	159
EX2S14	100Y-8H	10.00	10.29	0.0010	1.38	1.33	216
EX2S19	100Y-8H	11.56	10.09	0.0010	7.43	7.37	1129
EX2S23	100Y-8H	11.00	10.17	0.0029	6.63	17.51	998
EX2S24	100Y-8H	11.00	10.18	0.0141	17.22	1.35	374
EX2S25	100Y-8H	16.90	14.01	0.0001	1.42	1.42	113
EX2S26	100Y-8H	27.96	21.86	0.0002	1.80	1.80	113
EX2S27	100Y-8H	27.75	24.20	0.0001	1.26	1.26	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX2S28	100Y-8H	24.22	22.13	0.0009	5.35	5.35	211
EX2S29	100Y-8H	27.42	23.77	0.0002	3.08	3.08	164
EX2S32	100Y-8H	13.50	12.61	0.0287	32.39	10.47	682
EX2S35	100Y-8H	30.53	24.06	0.0001	1.26	1.26	113
EX2S36	100Y-8H	26.50	20.80	0.0287	8.28	32.39	113
POND 2E1	100Y-8H	11.45	10.05	0.0002	9.14	0.55	29095
POND 2E2	100Y-8H	11.45	10.06	0.0002	14.27	3.45	29842
PR2AS02	100Y-8H	9.78	9.02	0.0007	12.07	5.83	16512
PR2S01	100Y-8H	8.83	9.38	0.0010	8.07	8.03	1006
PR2S02	100Y-8H	8.91	9.37	0.0010	2.94	2.43	660
PR2S06	100Y-8H	8.83	9.00	0.0010	1.30	1.22	541
PR2S08	100Y-8H	9.23	9.62	0.0008	3.43	3.38	180
PR2S09	100Y-8H	9.33	9.01	0.0010	10.39	10.33	701
PR2S12	100Y-8H	10.25	10.21	0.0010	2.68	2.64	123
PR2S13	100Y-8H	10.10	10.16	0.0010	3.96	3.87	1099
PR2S16	100Y-8H	10.90	9.03	0.0010	1.61	1.53	523
PR2S18	100Y-8H	11.55	9.04	0.0010	9.14	8.12	1143
PR2S20	100Y-8H	12.29	9.05	0.0009	9.68	9.61	868
PR2S21	100Y-8H	11.39	10.14	0.0010	3.33	3.24	383
PR2S22	100Y-8H	18.72	12.94	0.0029	3.49	7.57	113
PR2S33	100Y-8H	9.50	9.02	0.0010	5.26	3.17	1767
PR2S34	100Y-8H	9.50	9.02	0.0010	4.60	4.02	2285
2GW1	10Y-1H	3.46	1.46	0.0000	2.64	0.00	0
2GW2	10Y-1H	3.46	1.46	0.0000	0.51	0.00	0
2GW3	10Y-1H	3.46	1.46	0.0000	2.08	0.00	0
2GW4	10Y-1H	3.46	1.46	0.0000	1.93	0.00	0
2GW5	10Y-1H	3.46	1.46	0.0000	1.56	0.00	0
2GW6	10Y-1H	3.46	1.46	0.0000	1.28	0.00	0
2GW7	10Y-1H	3.46	1.46	0.0000	0.60	0.00	0
2GW8	10Y-1H	3.46	1.46	0.0000	0.50	0.00	0
2GW9	10Y-1H	3.46	1.46	0.0000	3.36	0.00	0
C-100A	10Y-1H	3.95	1.95	0.0000	0.00	0.00	0
EX2AS03	10Y-1H	9.46	7.20	0.0006	9.79	3.31	12085
EX2AS04	10Y-1H	9.57	7.20	0.0010	16.10	14.51	5888
EX2ES01	10Y-1H	10.25	7.84	0.0027	3.04	3.08	113
EX2ES07	10Y-1H	10.77	7.78	0.0050	6.00	4.97	667
EX2ES08	10Y-1H	9.90	7.60	0.0010	11.22	4.93	11331
EX2ES09	10Y-1H	10.10	7.83	0.0009	2.36	3.22	113
EX2ES10	10Y-1H	9.59	7.74	0.0040	4.52	0.10	113
EX2ES11	10Y-1H	10.10	7.87	0.0021	3.02	3.39	113
EX2ES20	10Y-1H	10.32	7.91	0.0007	2.14	2.89	113
EX2ES21	10Y-1H	10.50	7.91	0.0022	4.18	6.78	748
EX2S01A	10Y-1H	9.50	7.60	0.0018	4.93	0.69	3369
EX2S01B	10Y-1H	9.50	3.00	0.0000	0.00	0.00	113
EX2S07	10Y-1H	11.18	7.77	0.0051	8.88	7.47	2848
EX2S09A	10Y-1H	11.02	7.78	0.0067	9.91	4.49	3317
EX2S10	10Y-1H	8.82	7.95	0.0017	1.91	1.46	159

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX2S14	10Y-1H	10.00	8.10	0.0016	1.83	1.46	315
EX2S19	10Y-1H	11.56	7.86	0.0022	7.07	7.03	1130
EX2S23	10Y-1H	11.00	7.92	0.0029	6.63	17.51	822
EX2S24	10Y-1H	11.00	7.92	0.0141	17.22	1.02	246
EX2S25	10Y-1H	16.90	13.87	0.0001	0.82	0.82	113
EX2S26	10Y-1H	27.96	21.70	0.0002	1.00	1.00	113
EX2S27	10Y-1H	27.75	24.30	0.0003	1.67	1.67	113
EX2S28	10Y-1H	24.22	22.37	0.0010	7.03	7.11	211
EX2S29	10Y-1H	27.42	23.80	0.0009	4.10	4.11	164
EX2S32	10Y-1H	13.50	12.56	0.0287	32.39	9.72	688
EX2S35	10Y-1H	30.53	24.15	0.0002	1.67	1.67	113
EX2S36	10Y-1H	26.50	20.80	0.0287	7.82	32.39	113
POND 2E1	10Y-1H	11.45	7.59	0.0004	7.96	0.00	13540
POND 2E2	10Y-1H	11.45	7.59	0.0002	11.24	4.45	13689
PR2AS02	10Y-1H	9.78	7.21	0.0007	13.29	14.70	6267
PR2S01	10Y-1H	8.83	7.75	0.0010	10.37	9.46	1082
PR2S02	10Y-1H	8.91	7.74	0.0010	8.36	5.49	673
PR2S06	10Y-1H	8.83	7.22	0.0010	3.30	0.97	542
PR2S08	10Y-1H	9.23	7.92	0.0017	4.17	3.82	181
PR2S09	10Y-1H	9.33	7.22	0.0010	11.30	11.28	801
PR2S12	10Y-1H	10.25	7.98	0.0016	2.61	2.39	123
PR2S13	10Y-1H	10.10	7.95	0.0016	4.59	3.65	1109
PR2S16	10Y-1H	10.90	7.20	0.0010	1.96	1.84	523
PR2S18	10Y-1H	11.55	7.20	0.0010	8.31	7.91	1157
PR2S20	10Y-1H	12.29	7.21	0.0008	9.51	9.53	893
PR2S21	10Y-1H	11.39	7.89	0.0026	4.26	2.46	436
PR2S22	10Y-1H	18.72	13.99	0.0099	4.64	13.90	113
PR2S33	10Y-1H	9.50	7.20	0.0017	21.00	3.32	1767
PR2S34	10Y-1H	9.50	7.20	0.0010	14.51	7.55	2616
2GW1	10Y-24H	3.46	2.71	0.0008	1.80	0.00	0
2GW2	10Y-24H	3.46	2.71	0.0008	0.33	0.00	0
2GW3	10Y-24H	3.46	2.71	0.0008	1.37	0.00	0
2GW4	10Y-24H	3.46	2.71	0.0008	1.42	0.00	0
2GW5	10Y-24H	3.46	2.71	0.0008	1.17	0.00	0
2GW6	10Y-24H	3.46	2.71	0.0008	0.97	0.00	0
2GW7	10Y-24H	3.46	2.71	0.0008	0.39	0.00	0
2GW8	10Y-24H	3.46	2.71	0.0008	0.32	0.00	0
2GW9	10Y-24H	3.46	2.71	0.0008	2.57	0.11	0
C-100A	10Y-24H	3.95	1.95	0.0000	0.00	0.00	0
EX2AS03	10Y-24H	9.46	6.21	0.0003	1.28	0.92	6011
EX2AS04	10Y-24H	9.57	6.21	0.0010	2.06	2.22	1930
EX2ES01	10Y-24H	10.25	6.24	0.0010	0.42	0.54	113
EX2ES07	10Y-24H	10.77	6.24	0.0012	1.51	2.83	667
EX2ES08	10Y-24H	9.90	6.35	0.0010	1.86	1.60	2117
EX2ES09	10Y-24H	10.10	6.24	0.0004	0.43	0.57	113
EX2ES10	10Y-24H	9.59	6.26	0.0010	0.46	0.02	113
EX2ES11	10Y-24H	10.10	6.24	0.0008	0.50	0.57	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX2ES20	10Y-24H	10.32	6.25	0.0003	0.39	0.43	113
EX2ES21	10Y-24H	10.50	6.25	0.0022	1.04	6.78	748
EX2S01A	10Y-24H	9.50	3.00	0.0000	0.00	0.00	113
EX2S01B	10Y-24H	9.50	3.00	0.0000	0.00	0.00	113
EX2S07	10Y-24H	11.18	6.23	0.0010	3.36	2.45	2846
EX2S09A	10Y-24H	11.02	6.24	0.0017	3.80	2.96	3316
EX2S10	10Y-24H	8.82	6.24	0.0010	0.30	0.31	159
EX2S14	10Y-24H	10.00	6.25	0.0006	0.30	0.29	213
EX2S19	10Y-24H	11.56	6.25	0.0006	1.54	1.34	1008
EX2S23	10Y-24H	11.00	6.25	0.0029	6.63	17.51	998
EX2S24	10Y-24H	11.00	6.25	0.0141	17.22	0.36	373
EX2S25	10Y-24H	16.90	13.69	0.0001	0.29	0.29	113
EX2S26	10Y-24H	27.96	21.51	0.0001	0.36	0.36	113
EX2S27	10Y-24H	27.75	23.86	0.0002	0.28	0.28	113
EX2S28	10Y-24H	24.22	21.37	0.0010	1.18	1.18	211
EX2S29	10Y-24H	27.42	23.30	0.0002	0.68	0.68	160
EX2S32	10Y-24H	13.50	12.02	0.0287	32.39	3.78	687
EX2S35	10Y-24H	30.53	23.77	0.0002	0.28	0.28	113
EX2S36	10Y-24H	26.50	20.80	0.0287	1.72	32.39	113
POND 2E1	10Y-24H	11.45	9.84	0.0003	1.93	0.06	27757
POND 2E2	10Y-24H	11.45	9.84	0.0002	3.78	0.90	28400
PR2AS02	10Y-24H	9.78	6.21	0.0006	2.35	2.27	1902
PR2S01	10Y-24H	8.83	6.27	0.0010	2.94	2.88	978
PR2S02	10Y-24H	8.91	6.26	0.0010	1.26	1.14	659
PR2S06	10Y-24H	8.83	6.21	0.0010	0.74	0.71	541
PR2S08	10Y-24H	9.23	6.24	0.0010	0.76	0.77	180
PR2S09	10Y-24H	9.33	6.21	0.0010	2.83	2.80	673
PR2S12	10Y-24H	10.25	6.25	0.0010	0.58	0.67	113
PR2S13	10Y-24H	10.10	6.25	0.0010	0.97	0.89	1091
PR2S16	10Y-24H	10.90	6.21	0.0010	0.98	0.58	523
PR2S18	10Y-24H	11.55	6.21	0.0010	1.98	1.74	1205
PR2S20	10Y-24H	12.29	6.21	0.0010	2.09	2.00	809
PR2S21	10Y-24H	11.39	6.25	0.0006	0.56	0.53	383
PR2S22	10Y-24H	18.72	12.43	0.0010	0.77	0.77	113
PR2S33	10Y-24H	9.50	6.20	0.0008	2.27	1.51	1767
PR2S34	10Y-24H	9.50	6.21	0.0010	2.30	1.82	1837
2GW1	10Y-8H	3.46	2.71	0.0004	2.55	0.00	0
2GW2	10Y-8H	3.46	2.71	0.0004	0.52	0.00	0
2GW3	10Y-8H	3.46	2.71	0.0004	2.12	0.00	0
2GW4	10Y-8H	3.46	2.71	0.0004	2.03	0.00	0
2GW5	10Y-8H	3.46	2.71	0.0004	1.64	0.00	0
2GW6	10Y-8H	3.46	2.71	0.0004	1.36	0.00	0
2GW7	10Y-8H	3.46	2.71	0.0004	0.63	0.00	0
2GW8	10Y-8H	3.46	2.71	0.0004	0.52	0.00	0
2GW9	10Y-8H	3.46	2.71	0.0004	3.81	0.10	0
C-100A	10Y-8H	3.95	1.95	0.0000	0.52	0.00	0
EX2AS03	10Y-8H	9.46	8.06	0.0005	9.97	2.99	21498

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX2AS04	10Y-8H	9.57	8.06	0.0010	7.14	6.70	10576
EX2ES01	10Y-8H	10.25	8.10	0.0010	1.35	1.31	113
EX2ES07	10Y-8H	10.77	8.10	0.0014	2.67	3.45	667
EX2ES08	10Y-8H	9.90	8.23	0.0009	7.91	3.91	16264
EX2ES09	10Y-8H	10.10	8.10	0.0005	1.38	1.32	113
EX2ES10	10Y-8H	9.59	8.11	0.0023	2.61	0.08	113
EX2ES11	10Y-8H	10.10	8.10	0.0009	1.61	1.55	113
EX2ES20	10Y-8H	10.32	8.28	0.0006	1.26	1.19	113
EX2ES21	10Y-8H	10.50	8.30	0.0022	3.63	6.78	748
EX2S01A	10Y-8H	9.50	8.23	0.0013	3.91	0.52	3361
EX2S01B	10Y-8H	9.50	3.28	0.0004	0.52	0.52	113
EX2S07	10Y-8H	11.18	8.09	0.0014	5.72	5.54	2848
EX2S09A	10Y-8H	11.02	8.09	0.0019	5.42	4.31	3316
EX2S10	10Y-8H	8.82	8.13	0.0010	0.98	0.91	159
EX2S14	10Y-8H	10.00	8.35	0.0010	0.98	0.90	243
EX2S19	10Y-8H	11.56	8.26	0.0010	4.96	4.90	1128
EX2S23	10Y-8H	11.00	8.30	0.0029	6.63	17.51	822
EX2S24	10Y-8H	11.00	8.30	0.0141	17.22	0.98	246
EX2S25	10Y-8H	16.90	13.88	0.0001	0.85	0.85	113
EX2S26	10Y-8H	27.96	21.72	0.0001	1.07	1.07	113
EX2S27	10Y-8H	27.75	24.09	0.0002	0.89	0.89	113
EX2S28	10Y-8H	24.22	21.88	0.0010	3.79	3.79	211
EX2S29	10Y-8H	27.42	23.62	0.0003	2.18	2.18	164
EX2S32	10Y-8H	13.50	12.30	0.0287	32.39	6.67	682
EX2S35	10Y-8H	30.53	23.98	0.0001	0.89	0.89	113
EX2S36	10Y-8H	26.50	20.80	0.0287	5.30	32.39	113
POND 2E1	10Y-8H	11.45	9.07	0.0003	5.54	0.00	22877
POND 2E2	10Y-8H	11.45	9.07	0.0002	8.76	2.44	23313
PR2AS02	10Y-8H	9.78	8.06	0.0007	8.32	7.93	10914
PR2S01	10Y-8H	8.83	8.12	0.0010	6.04	5.60	1006
PR2S02	10Y-8H	8.91	8.11	0.0010	4.70	3.42	666
PR2S06	10Y-8H	8.83	8.05	0.0010	1.37	1.01	541
PR2S08	10Y-8H	9.23	8.12	0.0010	2.41	2.35	180
PR2S09	10Y-8H	9.33	8.06	0.0010	7.69	7.54	692
PR2S12	10Y-8H	10.25	8.31	0.0010	1.81	1.74	123
PR2S13	10Y-8H	10.10	8.29	0.0010	2.64	2.57	1097
PR2S16	10Y-8H	10.90	8.06	0.0010	1.42	0.96	523
PR2S18	10Y-8H	11.55	8.06	0.0010	7.95	7.40	1137
PR2S20	10Y-8H	12.29	8.06	0.0010	7.44	7.07	894
PR2S21	10Y-8H	11.39	8.28	0.0010	2.09	1.97	383
PR2S22	10Y-8H	18.72	12.83	0.0010	2.47	2.47	113
PR2S33	10Y-8H	9.50	8.05	0.0010	8.93	3.44	1767
PR2S34	10Y-8H	9.50	8.05	0.0010	7.27	2.81	2359
2GW1	25Y-72H	3.46	2.71	0.0003	3.56	0.00	0
2GW2	25Y-72H	3.46	2.71	0.0003	0.74	0.00	0
2GW3	25Y-72H	3.46	2.71	0.0003	3.00	0.00	0
2GW4	25Y-72H	3.46	2.71	0.0003	2.39	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
2GW5	25Y-72H	3.46	2.71	0.0003	1.96	0.00	0
2GW6	25Y-72H	3.46	2.71	0.0003	1.64	0.00	0
2GW7	25Y-72H	3.46	2.71	0.0003	0.92	0.00	0
2GW8	25Y-72H	3.46	2.71	0.0003	0.76	0.00	0
2GW9	25Y-72H	3.46	2.71	0.0003	4.58	0.17	0
C-100A	25Y-72H	3.95	1.95	0.0000	9.75	0.00	0
EX2AS03	25Y-72H	9.46	8.90	0.0004	23.79	3.96	31388
EX2AS04	25Y-72H	9.57	8.90	0.0010	21.93	7.17	15526
EX2ES01	25Y-72H	10.25	10.26	0.0010	2.70	2.53	123
EX2ES07	25Y-72H	10.77	10.15	0.0016	4.54	2.90	665
EX2ES08	25Y-72H	9.90	8.64	0.0008	19.74	9.76	19347
EX2ES09	25Y-72H	10.10	10.26	0.0008	2.80	2.63	123
EX2ES10	25Y-72H	9.59	9.98	0.0010	0.82	0.84	613
EX2ES11	25Y-72H	10.10	10.32	0.0008	3.22	3.04	123
EX2ES20	25Y-72H	10.32	10.78	0.0009	2.57	2.44	123
EX2ES21	25Y-72H	10.50	10.75	0.0022	5.50	6.78	748
EX2S01A	25Y-72H	9.50	8.53	0.0020	9.76	9.75	3358
EX2S01B	25Y-72H	9.50	4.35	0.0006	9.75	9.75	113
EX2S07	25Y-72H	11.18	10.14	0.0010	9.34	9.25	2869
EX2S09A	25Y-72H	11.02	10.15	0.0019	5.67	5.55	3316
EX2S10	25Y-72H	8.82	10.48	0.0010	1.95	1.80	159
EX2S14	25Y-72H	10.00	11.10	0.0010	1.95	1.80	205
EX2S19	25Y-72H	11.56	10.67	0.0009	9.51	9.37	1008
EX2S23	25Y-72H	11.00	10.75	0.0029	6.63	17.51	998
EX2S24	25Y-72H	11.00	10.74	0.0141	17.22	3.85	373
EX2S25	25Y-72H	16.90	14.17	0.0002	2.30	2.29	113
EX2S26	25Y-72H	27.96	22.03	0.0002	2.94	2.94	113
EX2S27	25Y-72H	27.75	24.33	0.0002	1.78	1.78	113
EX2S28	25Y-72H	24.22	22.43	0.0009	7.85	7.58	211
EX2S29	25Y-72H	27.42	23.80	0.0009	4.37	4.75	164
EX2S32	25Y-72H	13.50	12.80	0.0287	32.39	16.94	659
EX2S35	25Y-72H	30.53	24.17	0.0003	1.78	1.78	113
EX2S36	25Y-72H	26.50	20.80	0.0287	12.89	32.39	113
POND 2E1	25Y-72H	11.45	10.44	0.0003	14.86	2.42	31513
POND 2E2	25Y-72H	11.45	10.54	0.0002	22.85	3.71	33049
PR2AS02	25Y-72H	9.78	8.88	0.0006	18.03	7.18	15808
PR2S01	25Y-72H	8.83	10.00	0.0010	11.56	11.40	992
PR2S02	25Y-72H	8.91	9.98	0.0010	3.03	2.50	659
PR2S06	25Y-72H	8.83	8.87	0.0010	1.71	1.19	541
PR2S08	25Y-72H	9.23	10.42	0.0010	4.75	4.60	180
PR2S09	25Y-72H	9.33	8.87	0.0010	14.57	14.46	663
PR2S12	25Y-72H	10.25	10.95	0.0010	3.91	3.75	123
PR2S13	25Y-72H	10.10	10.85	0.0010	5.54	5.37	1089
PR2S16	25Y-72H	10.90	8.90	0.0010	2.29	1.97	523
PR2S18	25Y-72H	11.55	8.90	0.0010	10.79	10.29	1226
PR2S20	25Y-72H	12.29	8.92	0.0010	12.64	12.51	829
PR2S21	25Y-72H	11.39	10.72	0.0010	4.66	4.33	441

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR2S22	25Y-72H	18.72	13.56	0.0090	4.94	14.22	113
PR2S33	25Y-72H	9.50	8.88	0.0010	5.18	2.29	1767
PR2S34	25Y-72H	9.50	8.88	0.0010	5.45	4.15	1964

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C-100A_WEIR	100Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
CH2_1+SEC1	100Y-1H	8.25	-0.71	-0.01	1.35	3.13	2.11
CH2_2+SEC1	100Y-1H	1.68	-4.45	0.02	-0.74	-2.56	-1.56
CH2_2+SEC2	100Y-1H	4.02	-1.21	-0.04	0.80	2.08	1.28
EX2AS04_S34	100Y-1H	19.51	0.00	3.21	7.42	11.83	9.62
EX2ES01_S07	100Y-1H	3.59	-0.84	0.43	4.57	4.99	4.55
EX2ES07_2GW2	100Y-1H	0.38	0.00	-0.02	0.00	0.00	0.00
EX2ES09_S09A	100Y-1H	4.67	0.00	0.71	5.08	7.60	5.99
EX2ES10_S02	100Y-1H	1.02	-5.29	-0.05	-4.31	-5.31	-4.75
EX2ES11_S09A	100Y-1H	4.02	0.00	0.37	4.74	4.96	4.67
EX2ES20_S19	100Y-1H	3.98	0.00	0.60	4.75	8.45	6.21
EX2ES21_2GW7	100Y-1H	0.45	0.00	-0.02	0.00	0.00	0.00
EX2ES21_S21	100Y-1H	4.39	-1.18	0.66	4.18	-1.95	2.79
EX2S01A_WEIR	100Y-1H	6.49	0.00	0.00	1.44	1.44	1.44
EX2S01B_C-100A	100Y-1H	6.49	0.00	0.03	4.72	14.97	9.84
EX2S07_2GW3	100Y-1H	1.54	0.00	-0.03	0.00	0.00	0.00
EX2S07_S09A	100Y-1H	2.91	-4.69	-1.83	-0.52	-0.52	-0.52
EX2S09A_2GW2	100Y-1H	0.38	0.00	-0.02	0.00	0.00	0.00
EX2S09A_2GW3	100Y-1H	1.55	0.00	-0.07	0.00	0.00	0.00
EX2S09A_ES07	100Y-1H	2.67	-5.69	4.38	-0.90	-1.69	-1.19
EX2S10_S08	100Y-1H	2.18	-0.05	-0.04	1.23	1.58	1.38
EX2S14_S13	100Y-1H	2.16	-0.22	0.04	3.10	2.87	2.63
EX2S19_S13	100Y-1H	3.66	-4.54	-0.34	2.07	-1.45	-1.45
EX2S23_2GW7	100Y-1H	0.45	0.00	-0.02	0.00	0.00	0.00
EX2S23_2GW8	100Y-1H	0.37	0.00	-0.02	0.00	0.00	0.00
EX2S23_S21	100Y-1H	2.50	-6.63	-2.01	-0.79	-0.80	-0.79
EX2S24_2GW8	100Y-1H	0.37	0.00	-0.02	0.00	0.00	0.00
EX2S24_S23	100Y-1H	0.65	-17.22	-0.53	-3.96	-7.18	-5.57
EX2S25_POND2E1	100Y-1H	1.66	0.00	0.02	3.52	11.16	7.34
EX2S26_POND2E2	100Y-1H	2.06	0.00	-0.02	3.59	13.27	8.43
EX2S27_S35	100Y-1H	2.43	0.00	0.00	2.57	3.22	2.89

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX2S28_S36	100Y-1H	10.29	0.00	-0.01	5.83	6.61	6.22
EX2S29_S28	100Y-1H	5.92	0.00	1.27	5.39	4.83	4.83
EX2S32_PND2E2	100Y-1H	15.83	0.00	-0.13	6.56	8.01	7.28
EX2S35_S32	100Y-1H	2.43	0.00	0.02	3.97	17.19	10.58
EX2S36_S32	100Y-1H	32.39	0.00	-0.09	18.33	18.83	18.58
PND2E1_S24	100Y-1H	0.00	-1.97	0.00	-1.12	-3.54	-2.33
PND2E2_PND2E1	100Y-1H	5.11	0.00	0.61	4.62	2.89	3.61
PR2AS02_S33	100Y-1H	18.90	-0.69	-3.04	7.38	12.87	10.13
PR2S01_2GW1	100Y-1H	1.92	0.00	0.00	0.00	0.00	0.00
PR2S01_S07	100Y-1H	4.67	-4.73	0.15	-3.85	4.97	4.30
PR2S01_S08	100Y-1H	7.93	-3.57	0.37	6.46	6.46	6.46
PR2S02_2GW1	100Y-1H	1.91	0.00	0.00	0.00	0.00	0.00
PR2S02_S01	100Y-1H	0.00	-10.45	0.02	-3.33	-5.28	-4.10
PR2S06_2GW4	100Y-1H	1.23	0.00	0.00	0.00	0.00	0.00
PR2S08_S07	100Y-1H	5.59	0.00	0.61	4.75	6.54	5.41
PR2S09_2GW4	100Y-1H	1.23	0.00	0.00	0.00	0.00	0.00
PR2S09_S02	100Y-1H	14.76	-3.81	-0.07	8.36	8.36	8.36
PR2S09_S06	100Y-1H	3.93	0.00	-0.03	2.77	3.88	3.21
PR2S09_S07	100Y-1H	5.35	-9.22	0.81	-7.51	-7.51	-7.51
PR2S12_S13	100Y-1H	3.91	0.00	0.41	3.99	4.52	3.47
PR2S13_S07	100Y-1H	1.90	0.00	-0.02	0.60	0.60	0.60
PR2S16_2GW5	100Y-1H	0.95	0.00	0.00	0.00	0.00	0.00
PR2S16_S18	100Y-1H	2.12	-0.84	-0.43	1.00	-1.77	-1.18
PR2S18_2GW5	100Y-1H	0.95	0.00	0.00	0.00	0.00	0.00
PR2S18_2GW6	100Y-1H	0.78	0.00	0.00	0.00	0.00	0.00
PR2S18_S03	100Y-1H	10.96	-3.14	1.33	6.88	23.63	14.35
PR2S18_S20	100Y-1H	1.63	-8.36	0.53	-2.66	-3.09	-2.78
PR2S20_2GW6	100Y-1H	0.79	0.00	0.00	0.00	0.00	0.00
PR2S20_S04	100Y-1H	6.61	-1.58	0.22	3.74	3.74	3.74
PR2S20_S19	100Y-1H	3.81	-10.18	0.47	-5.76	-5.76	-5.76
PR2S21_S19	100Y-1H	3.55	-3.59	-0.61	-1.14	-2.29	-1.47
PR2S22_S04	100Y-1H	16.17	0.00	-9.42	20.59	44.22	28.24
PR2S33_2GW9	100Y-1H	2.15	0.00	0.00	0.00	0.00	0.00
PR2S33_S34	100Y-1H	1.18	-9.19	0.14	-2.04	-4.52	-3.23
PR2S34_2GW9	100Y-1H	2.15	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C-100A_WEIR	100Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
CH2_1+SEC1	100Y-24H	1.50	-0.13	-0.01	0.79	1.66	1.06
CH2_2+SEC1	100Y-24H	0.52	-0.14	0.01	0.17	-0.55	-0.28
CH2_2+SEC2	100Y-24H	0.36	-0.16	-0.01	0.13	-0.38	-0.19
EX2AS04_S34	100Y-24H	2.87	0.00	0.35	3.56	5.25	4.20
EX2ES01_S07	100Y-24H	0.71	0.00	-0.53	2.06	2.31	2.11
EX2ES07_2GW2	100Y-24H	0.24	0.00	0.02	0.00	0.00	0.00
EX2ES09_S09A	100Y-24H	0.81	0.00	-0.61	2.59	3.59	2.83
EX2ES10_S02	100Y-24H	0.05	-0.40	0.01	0.71	-2.34	-1.33
EX2ES11_S09A	100Y-24H	0.86	0.00	0.50	2.15	2.32	2.16
EX2ES20_S19	100Y-24H	0.62	0.00	0.30	2.44	1.12	1.46
EX2ES21_2GW7	100Y-24H	0.28	0.00	-0.02	0.00	0.00	0.00
EX2ES21_S21	100Y-24H	2.39	-0.28	-1.16	2.97	-1.99	1.69
EX2S01A_WEIR	100Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX2S01B_C-100A	100Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX2S07_2GW3	100Y-24H	0.97	0.00	-0.03	0.00	0.00	0.00
EX2S07_S09A	100Y-24H	1.82	-2.78	-2.78	-0.31	-0.31	-0.31
EX2S09A_2GW2	100Y-24H	0.24	0.00	0.02	0.00	0.00	0.00
EX2S09A_2GW3	100Y-24H	0.97	0.00	0.07	0.00	0.00	0.00
EX2S09A_ES07	100Y-24H	0.84	-3.10	3.10	-0.34	-0.87	-0.43
EX2S10_S08	100Y-24H	0.48	-0.01	-0.31	0.36	0.79	0.57
EX2S14_S13	100Y-24H	0.44	0.00	-0.15	1.62	1.21	1.18
EX2S19_S13	100Y-24H	1.01	-0.87	-0.44	1.10	0.32	0.63
EX2S23_2GW7	100Y-24H	0.28	0.00	0.02	0.00	0.00	0.00
EX2S23_2GW8	100Y-24H	0.23	0.00	0.02	0.00	0.00	0.00
EX2S23_S21	100Y-24H	4.28	-6.71	3.90	-0.80	-0.81	-0.80
EX2S24_2GW8	100Y-24H	0.23	0.00	0.01	0.00	0.00	0.00
EX2S24_S23	100Y-24H	2.89	-17.20	2.88	-3.96	-7.18	-5.57
EX2S25_POND2E1	100Y-24H	0.51	0.00	-0.01	2.51	0.74	1.46
EX2S26_POND2E2	100Y-24H	0.65	0.00	-0.01	2.60	0.89	1.50
EX2S27_S35	100Y-24H	0.42	0.00	0.00	1.44	1.97	1.71
EX2S28_S36	100Y-24H	1.78	0.00	0.00	1.32	3.43	2.38

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX2S29_S28	100Y-24H	1.03	0.00	0.02	3.05	0.92	1.98
EX2S32_PND2E2	100Y-24H	3.78	0.00	0.09	4.00	5.48	4.74
EX2S35_S32	100Y-24H	0.42	0.00	0.00	2.38	0.54	1.44
EX2S36_S32	100Y-24H	32.33	0.00	-0.39	18.30	18.80	18.55
PND2E1_S24	100Y-24H	2.45	0.00	0.04	3.77	17.90	10.83
PND2E2_PND2E1	100Y-24H	1.90	0.00	0.05	2.61	1.07	1.49
PR2AS02_S33	100Y-24H	2.60	-0.82	0.37	3.60	5.51	4.27
PR2S01_2GW1	100Y-24H	1.19	0.00	-0.03	0.00	0.00	0.00
PR2S01_S07	100Y-24H	1.09	-0.36	-0.32	2.61	2.73	2.46
PR2S01_S08	100Y-24H	0.00	-1.95	0.02	-1.59	-2.99	-1.89
PR2S02_2GW1	100Y-24H	1.19	0.00	0.04	0.00	0.00	0.00
PR2S02_S01	100Y-24H	0.00	-1.32	-0.04	-1.20	-2.97	-2.08
PR2S06_2GW4	100Y-24H	0.96	0.00	-0.02	0.00	0.00	0.00
PR2S08_S07	100Y-24H	1.24	0.00	0.53	2.25	1.26	1.46
PR2S09_2GW4	100Y-24H	0.96	0.00	-0.02	0.00	0.00	0.00
PR2S09_S02	100Y-24H	1.70	-1.44	-0.70	-1.33	-2.07	-1.69
PR2S09_S06	100Y-24H	1.09	0.00	-0.53	1.99	2.44	1.98
PR2S09_S07	100Y-24H	0.55	-2.05	-0.40	2.03	-2.03	-1.67
PR2S12_S13	100Y-24H	0.90	0.00	0.53	1.98	0.51	1.06
PR2S13_S07	100Y-24H	1.16	0.00	0.03	0.37	0.37	0.37
PR2S16_2GW5	100Y-24H	0.78	0.00	0.02	0.00	0.00	0.00
PR2S16_S18	100Y-24H	0.00	-0.60	-0.09	-0.96	-2.41	-1.68
PR2S18_2GW5	100Y-24H	0.78	0.00	0.01	0.00	0.00	0.00
PR2S18_2GW6	100Y-24H	0.64	0.00	0.01	0.00	0.00	0.00
PR2S18_S03	100Y-24H	0.81	-1.38	-0.72	-0.78	-2.67	-1.54
PR2S18_S20	100Y-24H	0.32	-1.65	0.05	-1.11	-2.04	-1.39
PR2S20_2GW6	100Y-24H	0.64	0.00	-0.02	0.00	0.00	0.00
PR2S20_S04	100Y-24H	1.92	-0.08	-0.05	2.82	1.09	1.69
PR2S20_S19	100Y-24H	0.00	-2.46	-0.03	-1.39	-3.02	-1.83
PR2S21_S19	100Y-24H	2.33	-0.47	-0.79	0.88	-0.79	0.74
PR2S22_S04	100Y-24H	1.16	0.00	-0.02	3.35	13.16	8.25
PR2S33_2GW9	100Y-24H	1.74	-0.06	-0.06	0.00	0.00	0.00
PR2S33_S34	100Y-24H	0.45	-1.76	-0.12	-0.53	-1.87	-1.19
PR2S34_2GW9	100Y-24H	1.74	-0.03	-0.06	0.00	0.00	0.00
C-100A_WEIR	100Y-8H	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CH2_1+SEC1	100Y-8H	10.46	-0.63	-0.01	1.15	2.64	1.74
CH2_2+SEC1	100Y-8H	2.62	-2.87	0.01	-0.54	-2.38	-1.44
CH2_2+SEC2	100Y-8H	3.02	-0.85	-0.04	0.58	1.88	1.15
EX2AS04_S34	100Y-8H	4.20	0.00	0.59	4.13	6.27	4.99
EX2ES01_S07	100Y-8H	1.86	0.00	0.34	2.69	3.06	2.77
EX2ES07_2GW2	100Y-8H	0.33	0.00	-0.02	0.00	0.00	0.00
EX2ES09_S09A	100Y-8H	1.92	0.00	0.39	2.93	4.73	3.69
EX2ES10_S02	100Y-8H	0.09	-1.64	0.01	-1.34	-3.50	-2.41
EX2ES11_S09A	100Y-8H	2.22	0.00	0.37	2.88	3.07	2.83
EX2ES20_S19	100Y-8H	1.75	0.00	0.22	2.85	4.93	3.63
EX2ES21_2GW7	100Y-8H	0.43	0.00	-0.02	0.00	0.00	0.00
EX2ES21_S21	100Y-8H	3.33	-0.98	0.88	1.06	-2.75	-1.53
EX2S01A_WEIR	100Y-8H	10.45	0.00	0.00	1.69	1.69	1.69
EX2S01B_C-100A	100Y-8H	10.45	0.00	0.07	5.54	17.21	11.38
EX2S07_2GW3	100Y-8H	1.36	0.00	-0.03	0.00	0.00	0.00
EX2S07_S09A	100Y-8H	3.37	-2.72	-1.68	0.37	0.37	0.37
EX2S09A_2GW2	100Y-8H	0.33	0.00	-0.02	0.00	0.00	0.00
EX2S09A_2GW3	100Y-8H	1.36	0.00	-0.07	0.00	0.00	0.00
EX2S09A_ES07	100Y-8H	4.49	-3.29	4.09	0.50	-1.16	-0.75
EX2S10_S08	100Y-8H	1.33	-0.02	0.09	0.75	1.00	0.78
EX2S14_S13	100Y-8H	1.33	0.00	0.03	2.11	1.88	1.69
EX2S19_S13	100Y-8H	0.33	-2.57	-0.16	1.36	-0.82	0.82
EX2S23_2GW7	100Y-8H	0.43	0.00	0.02	0.00	0.00	0.00
EX2S23_2GW8	100Y-8H	0.35	0.00	0.02	0.00	0.00	0.00
EX2S23_S21	100Y-8H	3.26	-6.63	-2.89	-0.79	-0.80	-0.79
EX2S24_2GW8	100Y-8H	0.35	0.00	0.01	0.00	0.00	0.00
EX2S24_S23	100Y-8H	1.02	-17.22	0.92	-3.96	-7.18	-5.57
EX2S25_POND2E1	100Y-8H	1.42	0.00	-0.02	3.35	1.16	2.26
EX2S26_POND2E2	100Y-8H	1.80	0.00	-0.02	3.45	12.51	7.95
EX2S27_S35	100Y-8H	1.26	0.00	0.00	2.03	2.58	2.30
EX2S28_S36	100Y-8H	5.35	0.00	0.00	3.03	4.89	3.96
EX2S29_S28	100Y-8H	3.08	0.00	-0.05	4.31	2.51	3.41

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX2S32_PND2E2	100Y-8H	10.47	0.00	-0.07	5.55	6.48	5.64
EX2S35_S32	100Y-8H	1.26	0.00	-0.02	3.23	1.02	2.13
EX2S36_S32	100Y-8H	32.39	0.00	-0.09	18.33	18.83	18.58
PND2E1_S24	100Y-8H	0.55	-0.72	0.01	2.48	-2.66	1.60
PND2E2_PND2E1	100Y-8H	3.45	0.00	0.31	3.70	1.95	2.50
PR2AS02_S33	100Y-8H	5.26	-0.89	0.90	4.42	7.11	5.49
PR2S01_2GW1	100Y-8H	1.62	0.00	0.00	0.00	0.00	0.00
PR2S01_S07	100Y-8H	1.93	-2.90	-0.20	3.05	3.54	3.15
PR2S01_S08	100Y-8H	4.72	-3.11	0.02	3.85	3.85	3.85
PR2S02_2GW1	100Y-8H	1.62	0.00	0.00	0.00	0.00	0.00
PR2S02_S01	100Y-8H	0.00	-2.94	0.01	-1.66	-3.68	-2.66
PR2S06_2GW4	100Y-8H	1.22	0.00	0.00	0.00	0.00	0.00
PR2S08_S07	100Y-8H	3.38	0.00	0.26	2.89	2.75	2.75
PR2S09_2GW4	100Y-8H	1.22	0.00	0.00	0.00	0.00	0.00
PR2S09_S02	100Y-8H	7.98	-4.35	-0.06	4.52	4.52	4.52
PR2S09_S06	100Y-8H	1.30	0.00	0.06	2.15	2.48	2.02
PR2S09_S07	100Y-8H	2.85	-5.58	0.16	-4.55	-4.55	-4.55
PR2S12_S13	100Y-8H	2.64	0.00	0.14	2.54	1.49	1.49
PR2S13_S07	100Y-8H	1.34	-0.31	0.04	0.43	0.43	0.43
PR2S16_2GW5	100Y-8H	1.00	0.00	0.00	0.00	0.00	0.00
PR2S16_S18	100Y-8H	0.60	-0.82	-0.26	-0.60	-1.71	-1.14
PR2S18_2GW5	100Y-8H	1.00	0.00	0.00	0.00	0.00	0.00
PR2S18_2GW6	100Y-8H	0.84	0.00	0.00	0.00	0.00	0.00
PR2S18_S03	100Y-8H	7.01	-2.67	0.13	5.45	3.97	4.71
PR2S18_S20	100Y-8H	1.41	-7.26	0.41	-2.53	-4.17	-3.27
PR2S20_2GW6	100Y-8H	0.84	0.00	0.00	0.00	0.00	0.00
PR2S20_S04	100Y-8H	4.51	-0.84	-0.18	3.41	2.55	2.55
PR2S20_S19	100Y-8H	0.48	-7.37	0.16	-4.17	-4.17	-4.17
PR2S21_S19	100Y-8H	3.24	-0.98	0.50	1.03	-1.64	1.03
PR2S22_S04	100Y-8H	7.57	0.00	-4.53	11.82	42.67	27.24
PR2S33_2GW9	100Y-8H	2.35	-0.07	-0.07	0.00	0.00	0.00
PR2S33_S34	100Y-8H	1.59	-1.74	-1.47	-0.94	-2.74	-1.83
PR2S34_2GW9	100Y-8H	2.35	-0.04	-0.04	0.00	0.00	0.00
C-100A_WEIR	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
CH2_1+SEC1	10Y-1H	4.93	-0.69	-0.01	1.15	2.71	1.81

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CH2_2+SEC1	10Y-1H	0.37	-1.16	0.02	-0.44	-2.15	-1.29
CH2_2+SEC2	10Y-1H	0.73	-0.26	-0.01	0.41	1.65	0.99
EX2AS04_S34	10Y-1H	14.51	0.00	2.22	6.52	10.72	8.62
EX2ES01_S07	10Y-1H	3.08	-0.51	0.43	4.30	4.75	4.32
EX2ES07_2GW2	10Y-1H	0.25	0.00	-0.02	0.00	0.00	0.00
EX2ES09_S09A	10Y-1H	3.22	0.00	0.45	4.38	6.96	5.44
EX2ES10_S02	10Y-1H	0.10	-4.52	0.03	-3.68	-4.95	-4.27
EX2ES11_S09A	10Y-1H	3.39	0.00	0.36	4.43	4.73	4.41
EX2ES20_S19	10Y-1H	2.89	0.00	0.40	4.21	7.86	5.76
EX2ES21_2GW7	10Y-1H	0.30	0.00	-0.02	0.00	0.00	0.00
EX2ES21_S21	10Y-1H	2.53	-0.95	-0.72	3.49	-1.95	2.12
EX2S01A_WEIR	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
EX2S01B_C-100A	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
EX2S07_2GW3	10Y-1H	1.04	0.00	-0.03	0.00	0.00	0.00
EX2S07_S09A	10Y-1H	1.90	-3.67	1.66	-0.41	-0.41	-0.41
EX2S09A_2GW2	10Y-1H	0.25	0.00	-0.02	0.00	0.00	0.00
EX2S09A_2GW3	10Y-1H	1.04	0.00	-0.07	0.00	0.00	0.00
EX2S09A_ES07	10Y-1H	1.70	-4.85	-3.38	-0.85	-1.62	-1.13
EX2S10_S08	10Y-1H	1.46	-0.07	-0.09	1.10	1.51	1.30
EX2S14_S13	10Y-1H	1.46	0.00	-0.07	3.01	2.77	2.54
EX2S19_S13	10Y-1H	2.65	-2.88	-0.37	1.99	1.04	1.32
EX2S23_2GW7	10Y-1H	0.30	0.00	-0.02	0.00	0.00	0.00
EX2S23_2GW8	10Y-1H	0.25	0.00	-0.02	0.00	0.00	0.00
EX2S23_S21	10Y-1H	2.83	-6.63	-2.81	-0.79	-0.80	-0.79
EX2S24_2GW8	10Y-1H	0.25	0.00	-0.02	0.00	0.00	0.00
EX2S24_S23	10Y-1H	0.77	-17.22	0.77	-3.96	-7.18	-5.57
EX2S25_PND2E1	10Y-1H	0.82	0.00	0.02	2.86	9.03	5.95
EX2S26_PND2E2	10Y-1H	1.00	0.00	-0.02	2.91	10.67	6.79
EX2S27_S35	10Y-1H	1.67	0.00	0.00	2.24	2.82	2.53
EX2S28_S36	10Y-1H	7.11	0.00	0.01	4.03	5.48	4.75
EX2S29_S28	10Y-1H	4.11	0.00	-0.82	5.39	3.35	4.33
EX2S32_PND	10Y-1H	9.72	0.00	-0.07	5.40	7.11	6.25

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
2E2							
EX2S35_S32	10Y-1H	1.67	0.00	-0.02	3.52	11.17	6.88
EX2S36_S32	10Y-1H	32.39	0.00	-0.09	18.33	18.83	18.58
PND2E1_S24	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
PND2E2_PND2E1	10Y-1H	4.45	0.00	0.58	4.56	2.52	3.52
PR2AS02_S33	10Y-1H	14.70	-0.73	2.24	6.65	11.88	9.27
PR2S01_2GW1	10Y-1H	1.32	0.00	0.00	0.00	0.00	0.00
PR2S01_S07	10Y-1H	4.13	-3.34	0.20	3.50	4.74	4.06
PR2S01_S08	10Y-1H	3.81	-3.39	0.30	3.85	3.10	3.10
PR2S02_2GW1	10Y-1H	1.32	0.00	0.00	0.00	0.00	0.00
PR2S02_S01	10Y-1H	0.00	-8.36	0.01	-2.67	-5.05	-3.82
PR2S06_2GW4	10Y-1H	0.97	0.00	0.00	0.00	0.00	0.00
PR2S08_S07	10Y-1H	3.82	0.00	0.46	4.43	6.40	5.28
PR2S09_2GW4	10Y-1H	0.97	0.00	0.00	0.00	0.00	0.00
PR2S09_S02	10Y-1H	9.55	-2.95	0.14	5.40	5.40	5.40
PR2S09_S06	10Y-1H	3.30	0.00	0.03	2.67	3.71	3.05
PR2S09_S07	10Y-1H	4.56	-6.46	0.65	-5.26	-5.26	-5.26
PR2S12_S13	10Y-1H	2.39	0.00	0.33	3.75	3.86	2.98
PR2S13_S07	10Y-1H	1.67	-0.12	-0.03	0.53	0.53	0.53
PR2S16_2GW5	10Y-1H	0.78	0.00	0.00	0.00	0.00	0.00
PR2S16_S18	10Y-1H	1.19	-0.58	-0.05	0.87	-1.77	-1.18
PR2S18_2GW5	10Y-1H	0.78	0.00	0.00	0.00	0.00	0.00
PR2S18_2GW6	10Y-1H	0.64	0.00	0.00	0.00	0.00	0.00
PR2S18_S03	10Y-1H	6.72	-3.06	0.94	5.35	21.54	13.03
PR2S18_S20	10Y-1H	1.67	-6.53	0.04	-2.33	-3.54	-2.92
PR2S20_2GW6	10Y-1H	0.64	0.00	0.00	0.00	0.00	0.00
PR2S20_S04	10Y-1H	5.37	-1.26	0.15	3.55	3.04	3.30
PR2S20_S19	10Y-1H	2.99	-7.03	0.39	4.01	-4.53	-4.21
PR2S21_S19	10Y-1H	2.46	-3.08	0.60	-0.99	-2.12	-1.28
PR2S22_S04	10Y-1H	13.90	0.00	-9.47	18.12	25.14	18.12
PR2S33_2GW9	10Y-1H	1.68	0.00	0.00	0.00	0.00	0.00
PR2S33_S34	10Y-1H	1.68	-6.36	0.06	-1.76	-4.04	-2.85
PR2S34_2GW9	10Y-1H	1.68	0.00	0.00	0.00	0.00	0.00
C-100A_WEIR	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
CH2_1+SEC1	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
CH2_2+SEC1	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CH2_2+SEC2	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX2AS04_S34	10Y-24H	2.22	0.00	0.32	3.44	5.10	4.08
EX2ES01_S07	10Y-24H	0.54	0.00	-0.35	1.98	2.21	2.03
EX2ES07_2GW2	10Y-24H	0.17	0.00	0.02	0.00	0.00	0.00
EX2ES09_S09A	10Y-24H	0.57	0.00	-0.41	2.55	3.59	2.83
EX2ES10_S02	10Y-24H	0.02	-0.46	0.01	-0.38	-2.44	-1.41
EX2ES11_S09A	10Y-24H	0.57	0.00	-0.35	2.07	2.22	2.08
EX2ES20_S19	10Y-24H	0.43	0.00	-0.13	2.39	1.09	1.43
EX2ES21_2GW7	10Y-24H	0.19	0.00	-0.01	0.00	0.00	0.00
EX2ES21_S21	10Y-24H	0.56	-0.20	-0.30	0.78	-1.83	-0.95
EX2S01A_WEIR	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX2S01B_C-100A	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX2S07_2GW3	10Y-24H	0.68	0.00	0.02	0.00	0.00	0.00
EX2S07_S09A	10Y-24H	0.21	-2.21	-1.90	-0.25	-0.25	-0.25
EX2S09A_2GW2	10Y-24H	0.17	0.00	0.02	0.00	0.00	0.00
EX2S09A_2GW3	10Y-24H	0.68	0.00	0.07	0.00	0.00	0.00
EX2S09A_ES07	10Y-24H	0.08	-2.66	2.67	-0.30	-0.81	-0.41
EX2S10_S08	10Y-24H	0.31	-0.01	-0.29	0.31	0.74	0.53
EX2S14_S13	10Y-24H	0.29	0.00	0.14	1.48	0.88	0.91
EX2S19_S13	10Y-24H	0.41	-0.64	0.38	1.01	-0.20	0.56
EX2S23_2GW7	10Y-24H	0.19	0.00	-0.01	0.00	0.00	0.00
EX2S23_2GW8	10Y-24H	0.16	0.00	-0.01	0.00	0.00	0.00
EX2S23_S21	10Y-24H	0.72	-6.63	-2.01	-0.79	-0.88	-0.79
EX2S24_2GW8	10Y-24H	0.16	0.00	-0.01	0.00	0.00	0.00
EX2S24_S23	10Y-24H	0.20	-17.22	-0.19	-3.96	-7.18	-5.57
EX2S25_POND2E1	10Y-24H	0.29	0.00	0.01	2.15	0.67	1.19
EX2S26_POND2E2	10Y-24H	0.36	0.00	-0.01	2.22	0.90	1.52
EX2S27_S35	10Y-24H	0.28	0.00	0.00	1.27	1.76	1.51
EX2S28_S36	10Y-24H	1.18	0.00	0.00	1.02	3.05	2.04
EX2S29_S28	10Y-24H	0.68	0.00	0.02	2.71	0.69	1.70
EX2S32_POND2E2	10Y-24H	3.78	0.00	-0.03	4.00	5.48	4.74

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX2S35_S32	10Y-24H	0.28	0.00	0.01	2.13	0.49	1.30
EX2S36_S32	10Y-24H	32.39	0.00	0.39	18.33	18.83	18.58
PND2E1_S24	10Y-24H	0.06	0.00	0.01	0.00	0.00	0.00
PND2E2_PND2E1	10Y-24H	0.90	0.00	0.02	2.49	0.51	1.40
PR2AS02_S33	10Y-24H	2.27	0.00	0.32	3.46	5.31	4.13
PR2S01_2GW1	10Y-24H	0.90	0.00	-0.02	0.00	0.00	0.00
PR2S01_S07	10Y-24H	1.01	0.00	0.09	2.64	2.76	2.50
PR2S01_S08	10Y-24H	0.00	-1.60	0.00	-1.30	-3.01	-1.91
PR2S02_2GW1	10Y-24H	0.90	0.00	-0.02	0.00	0.00	0.00
PR2S02_S01	10Y-24H	0.00	-1.26	0.00	-1.18	-2.94	-2.05
PR2S06_2GW4	10Y-24H	0.71	0.00	-0.01	0.00	0.00	0.00
PR2S08_S07	10Y-24H	0.77	0.00	0.36	2.10	1.22	1.31
PR2S09_2GW4	10Y-24H	0.71	0.00	-0.02	0.00	0.00	0.00
PR2S09_S02	10Y-24H	1.56	-0.39	0.27	-1.31	-2.03	-1.66
PR2S09_S06	10Y-24H	0.74	0.00	0.31	1.89	2.34	1.89
PR2S09_S07	10Y-24H	0.20	-1.89	0.11	1.93	-1.85	-1.54
PR2S12_S13	10Y-24H	0.67	-0.02	-0.55	1.94	0.38	1.03
PR2S13_S07	10Y-24H	0.56	0.00	0.01	0.26	0.18	0.21
PR2S16_2GW5	10Y-24H	0.58	0.00	-0.01	0.00	0.00	0.00
PR2S16_S18	10Y-24H	0.00	-0.64	0.01	-0.98	-2.44	-1.70
PR2S18_2GW5	10Y-24H	0.58	0.00	-0.01	0.00	0.00	0.00
PR2S18_2GW6	10Y-24H	0.48	0.00	-0.01	0.00	0.00	0.00
PR2S18_S03	10Y-24H	0.39	-0.92	-0.01	-0.52	-2.61	-1.50
PR2S18_S20	10Y-24H	0.00	-1.52	0.01	-1.24	-1.84	-1.50
PR2S20_2GW6	10Y-24H	0.48	0.00	-0.01	0.00	0.00	0.00
PR2S20_S04	10Y-24H	0.58	-0.26	0.03	2.52	-1.17	1.42
PR2S20_S19	10Y-24H	0.00	-1.34	-0.01	-0.76	-2.80	-1.65
PR2S21_S19	10Y-24H	0.53	-0.33	-0.34	0.21	-0.58	-0.32
PR2S22_S04	10Y-24H	0.77	0.00	0.02	2.95	11.63	7.29
PR2S33_2GW9	10Y-24H	1.28	-0.11	-0.11	0.00	0.00	0.00
PR2S33_S34	10Y-24H	0.35	-0.58	0.05	-0.54	-1.91	-1.22
PR2S34_2GW9	10Y-24H	1.28	-0.04	-0.06	0.00	0.00	0.00
C-100A_WEIR	10Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
CH2_1+SEC1	10Y-8H	3.91	-0.46	0.04	1.07	2.40	1.59
CH2_2+SEC1	10Y-8H	0.92	-1.60	0.01	-0.45	-2.15	-1.29
CH2_2+SEC2	10Y-8H	1.42	-0.49	-0.01	0.45	1.72	1.03

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX2AS04_S34	10Y-8H	6.70	0.00	0.91	4.76	7.24	5.76
EX2ES01_S07	10Y-8H	1.31	0.00	0.31	2.60	2.97	2.68
EX2ES07_2GW2	10Y-8H	0.26	0.00	-0.02	0.00	0.00	0.00
EX2ES09_S09A	10Y-8H	1.32	0.00	-0.36	3.18	4.53	3.54
EX2ES10_S02	10Y-8H	0.08	-2.61	0.01	-2.13	-4.05	-3.07
EX2ES11_S09A	10Y-8H	1.55	0.00	-0.33	2.73	2.98	2.75
EX2ES20_S19	10Y-8H	1.19	0.00	0.24	3.12	4.78	3.52
EX2ES21_2GW7	10Y-8H	0.31	0.00	-0.02	0.00	0.00	0.00
EX2ES21_S21	10Y-8H	2.09	-1.84	0.78	0.67	-3.26	-1.92
EX2S01A_WEIR	10Y-8H	0.52	0.00	0.00	0.00	0.00	0.00
EX2S01B_C-100A	10Y-8H	0.52	0.00	0.01	2.33	0.35	1.34
EX2S07_2GW3	10Y-8H	1.06	0.00	-0.03	0.00	0.00	0.00
EX2S07_S09A	10Y-8H	0.71	-3.34	-1.73	-0.37	-0.37	-0.37
EX2S09A_2GW2	10Y-8H	0.26	0.00	-0.02	0.00	0.00	0.00
EX2S09A_2GW3	10Y-8H	1.06	0.00	-0.07	0.00	0.00	0.00
EX2S09A_ES07	10Y-8H	0.21	-3.19	3.12	-0.40	-1.09	-0.66
EX2S10_S08	10Y-8H	0.91	-0.01	-0.08	0.52	0.92	0.71
EX2S14_S13	10Y-8H	0.90	0.00	-0.07	1.96	1.80	1.59
EX2S19_S13	10Y-8H	0.30	-2.53	-0.37	1.26	-0.81	-0.81
EX2S23_2GW7	10Y-8H	0.31	0.00	-0.02	0.00	0.00	0.00
EX2S23_2GW8	10Y-8H	0.26	0.00	-0.02	0.00	0.00	0.00
EX2S23_S21	10Y-8H	2.65	-6.63	-2.46	-0.79	-0.80	-0.79
EX2S24_2GW8	10Y-8H	0.26	0.00	-0.02	0.00	0.00	0.00
EX2S24_S23	10Y-8H	0.73	-17.22	-0.65	-3.96	-7.18	-5.57
EX2S25_POND2E1	10Y-8H	0.85	0.00	-0.02	2.89	8.13	5.36
EX2S26_POND2E2	10Y-8H	1.07	0.00	-0.02	2.97	10.88	6.93
EX2S27_S35	10Y-8H	0.89	0.00	0.00	1.82	2.32	2.07
EX2S28_S36	10Y-8H	3.79	0.00	0.00	2.17	4.33	3.25
EX2S29_S28	10Y-8H	2.18	0.00	0.02	3.83	1.78	2.80
EX2S32_POND2E2	10Y-8H	6.67	0.00	-0.03	4.76	6.08	5.27
EX2S35_S32	10Y-8H	0.89	0.00	-0.02	2.93	0.80	1.86

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX2S36_S32	10Y-8H	32.39	0.00	-0.09	18.33	18.83	18.58
PND2E1_S24	10Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
PND2E2_PND2E1	10Y-8H	2.44	0.00	0.27	3.60	1.38	2.39
PR2AS02_S33	10Y-8H	7.93	-0.68	1.08	5.03	8.28	6.40
PR2S01_2GW1	10Y-8H	1.28	0.00	0.00	0.00	0.00	0.00
PR2S01_S07	10Y-8H	2.04	-0.58	0.15	3.08	3.46	3.09
PR2S01_S08	10Y-8H	2.08	-2.81	-0.01	-2.29	-2.96	-2.29
PR2S02_2GW1	10Y-8H	1.27	0.00	0.01	0.00	0.00	0.00
PR2S02_S01	10Y-8H	0.00	-4.70	-0.01	-2.02	-4.18	-3.07
PR2S06_2GW4	10Y-8H	1.01	0.00	0.00	0.00	0.00	0.00
PR2S08_S07	10Y-8H	2.35	0.00	0.35	2.65	1.91	1.93
PR2S09_2GW4	10Y-8H	1.01	0.00	0.00	0.00	0.00	0.00
PR2S09_S02	10Y-8H	6.01	-1.50	0.23	3.40	3.40	3.40
PR2S09_S06	10Y-8H	1.37	0.00	0.19	2.11	2.45	1.99
PR2S09_S07	10Y-8H	0.74	-4.76	0.27	-3.88	-3.88	-3.88
PR2S12_S13	10Y-8H	1.74	0.00	0.27	2.43	0.98	1.36
PR2S13_S07	10Y-8H	0.77	-0.52	0.02	0.31	0.25	0.26
PR2S16_2GW5	10Y-8H	0.82	0.00	0.00	0.00	0.00	0.00
PR2S16_S18	10Y-8H	0.29	-0.57	0.20	-0.58	-1.68	-1.11
PR2S18_2GW5	10Y-8H	0.82	0.00	0.00	0.00	0.00	0.00
PR2S18_2GW6	10Y-8H	0.68	0.00	0.00	0.00	0.00	0.00
PR2S18_S03	10Y-8H	6.33	-2.13	0.31	5.22	3.58	4.40
PR2S18_S20	10Y-8H	1.07	-6.51	0.07	-2.43	-4.03	-3.22
PR2S20_2GW6	10Y-8H	0.68	0.00	0.00	0.00	0.00	0.00
PR2S20_S04	10Y-8H	2.89	-1.12	-0.05	3.62	1.64	2.63
PR2S20_S19	10Y-8H	0.39	-4.90	0.14	-2.77	-4.17	-3.04
PR2S21_S19	10Y-8H	1.97	-1.88	0.56	0.63	-1.59	-0.90
PR2S22_S04	10Y-8H	2.47	0.00	-0.04	4.39	16.40	10.40
PR2S33_2GW9	10Y-8H	1.90	-0.10	-0.10	0.00	0.00	0.00
PR2S33_S34	10Y-8H	2.21	-1.89	0.05	-1.09	-3.00	-2.03
PR2S34_2GW9	10Y-8H	1.90	-0.06	-0.06	0.00	0.00	0.00
C-100A_WEIR	25Y-72H	0.00	0.00	0.00	0.00	0.00	0.00
CH2_1+SEC1	25Y-72H	9.76	-0.39	-0.01	1.28	2.88	1.94
CH2_2+SEC1	25Y-72H	2.54	-4.75	0.01	-0.69	-2.31	-1.39
CH2_2+SEC2	25Y-72H	4.66	-0.59	-0.05	0.79	1.77	1.08
EX2AS04_S34	25Y-72H	5.45	0.00	0.50	4.41	5.80	4.62

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX2ES01_S07	25Y-72H	2.53	0.00	0.39	2.06	2.06	2.06
EX2ES07_2GW2	25Y-72H	0.37	0.00	0.02	0.00	0.00	0.00
EX2ES09_S09A	25Y-72H	2.63	0.00	0.38	2.41	3.36	2.66
EX2ES10_S02	25Y-72H	0.84	-0.82	-0.05	0.68	-2.85	-1.76
EX2ES11_S09A	25Y-72H	3.04	0.00	0.34	2.48	2.48	2.48
EX2ES20_S19	25Y-72H	2.44	0.00	-0.22	2.45	1.99	1.99
EX2ES21_2GW7	25Y-72H	0.46	0.00	-0.02	0.00	0.00	0.00
EX2ES21_S21	25Y-72H	4.66	-0.16	-0.35	2.82	-1.72	1.59
EX2S01A_WEIR	25Y-72H	9.75	0.00	0.00	1.65	1.65	1.65
EX2S01B_C-100A	25Y-72H	9.75	0.00	0.07	5.40	16.87	11.14
EX2S07_2GW3	25Y-72H	1.50	0.00	0.03	0.00	0.00	0.00
EX2S07_S09A	25Y-72H	3.17	-3.43	-1.84	-0.38	-0.38	-0.38
EX2S09A_2GW2	25Y-72H	0.37	0.00	0.02	0.00	0.00	0.00
EX2S09A_2GW3	25Y-72H	1.50	0.00	0.07	0.00	0.00	0.00
EX2S09A_ES07	25Y-72H	4.01	-2.75	3.61	0.45	0.45	0.45
EX2S10_S08	25Y-72H	1.80	0.00	-0.27	1.02	1.02	1.02
EX2S14_S13	25Y-72H	1.80	0.00	-0.16	1.47	1.47	1.47
EX2S19_S13	25Y-72H	0.91	-4.05	-0.44	-1.29	-1.29	-1.29
EX2S23_2GW7	25Y-72H	0.46	0.00	-0.02	0.00	0.00	0.00
EX2S23_2GW8	25Y-72H	0.38	0.00	-0.02	0.00	0.00	0.00
EX2S23_S21	25Y-72H	3.79	-6.63	3.55	-0.79	-0.80	-0.79
EX2S24_2GW8	25Y-72H	0.38	0.00	-0.02	0.00	0.00	0.00
EX2S24_S23	25Y-72H	2.38	-17.22	1.30	-3.96	-7.18	-5.57
EX2S25_POND2E1	25Y-72H	2.29	0.00	0.02	3.89	12.26	8.08
EX2S26_POND2E2	25Y-72H	2.94	0.00	0.02	3.99	1.66	2.83
EX2S27_S35	25Y-72H	1.78	0.00	0.00	2.29	2.88	2.59
EX2S28_S36	25Y-72H	7.58	0.00	0.01	4.29	5.64	4.97
EX2S29_S28	25Y-72H	4.75	0.00	1.28	5.79	3.87	4.65
EX2S32_POND2E2	25Y-72H	16.94	0.00	4.09	7.42	5.48	6.20
EX2S35_S32	25Y-72H	1.78	0.00	0.02	3.59	15.67	9.63
EX2S36_S32	25Y-72H	32.39	0.00	0.38	18.33	18.83	18.58

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PND2E1_S24	25Y-72H	2.42	-3.47	-0.06	3.76	16.30	9.87
PND2E2_PND2E1	25Y-72H	3.71	0.00	-0.02	2.10	2.10	2.10
PR2AS02_S33	25Y-72H	5.18	-0.89	0.92	4.40	5.96	4.61
PR2S01_2GW1	25Y-72H	1.78	0.00	0.03	0.00	0.00	0.00
PR2S01_S07	25Y-72H	1.11	-2.51	-0.20	2.58	2.65	2.40
PR2S01_S08	25Y-72H	7.01	-2.42	0.03	5.71	5.71	5.71
PR2S02_2GW1	25Y-72H	1.78	0.00	0.03	0.00	0.00	0.00
PR2S02_S01	25Y-72H	0.00	-3.03	-0.02	-1.36	-3.22	-2.28
PR2S06_2GW4	25Y-72H	1.19	0.00	-0.02	0.00	0.00	0.00
PR2S08_S07	25Y-72H	4.60	0.00	0.36	3.74	3.74	3.74
PR2S09_2GW4	25Y-72H	1.20	0.00	0.02	0.00	0.00	0.00
PR2S09_S02	25Y-72H	12.05	-4.10	-0.11	6.82	6.82	6.82
PR2S09_S06	25Y-72H	1.71	0.00	-0.10	1.83	2.29	1.83
PR2S09_S07	25Y-72H	2.57	-7.76	0.22	-6.32	-6.32	-6.32
PR2S12_S13	25Y-72H	3.75	0.00	-0.57	2.12	2.12	2.12
PR2S13_S07	25Y-72H	1.44	0.00	-0.01	0.46	0.46	0.46
PR2S16_2GW5	25Y-72H	0.98	0.00	0.02	0.00	0.00	0.00
PR2S16_S18	25Y-72H	1.14	-0.98	0.63	-1.15	-2.69	-1.90
PR2S18_2GW5	25Y-72H	0.98	0.00	0.02	0.00	0.00	0.00
PR2S18_2GW6	25Y-72H	0.82	0.00	0.02	0.00	0.00	0.00
PR2S18_S03	25Y-72H	8.76	-1.89	0.97	5.17	4.96	4.96
PR2S18_S20	25Y-72H	0.73	-7.50	-0.74	-2.40	-3.57	-2.92
PR2S20_2GW6	25Y-72H	0.82	0.00	0.02	0.00	0.00	0.00
PR2S20_S04	25Y-72H	5.39	-0.13	0.46	3.43	3.05	3.05
PR2S20_S19	25Y-72H	0.00	-9.37	0.02	-5.30	-5.30	-5.30
PR2S21_S19	25Y-72H	4.33	-0.18	0.09	1.38	1.38	1.38
PR2S22_S04	25Y-72H	14.22	0.00	9.04	18.18	43.09	27.51
PR2S33_2GW9	25Y-72H	2.29	-0.17	-0.17	0.00	0.00	0.00
PR2S33_S34	25Y-72H	0.42	-1.99	-1.04	-0.65	-2.13	-1.38
PR2S34_2GW9	25Y-72H	2.29	-0.17	-0.08	0.00	0.00	0.00

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
2GW1	100Y-1H	34840	0	34840
2GW1	100Y-24H	132041	0	132041
2GW1	100Y-8H	70291	0	70291
2GW1	10Y-1H	21757	0	21757
2GW1	10Y-24H	78788	0	78788
2GW1	10Y-8H	51808	0	51808
2GW1	25Y-72H	128279	0	128279

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
2GW2	100Y-1H	8480	0	8480
2GW2	100Y-24H	29265	0	29265
2GW2	100Y-8H	16245	0	16245
2GW2	10Y-1H	5918	0	5918
2GW2	10Y-24H	17787	0	17787
2GW2	10Y-8H	12371	0	12371
2GW2	25Y-72H	30705	0	30705

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
2GW3	100Y-1H	34742	0	34742
2GW3	100Y-24H	119648	0	119648
2GW3	100Y-8H	66481	0	66481
2GW3	10Y-1H	24270	0	24270
2GW3	10Y-24H	72667	0	72667
2GW3	10Y-8H	50566	0	50566
2GW3	25Y-72H	125233	0	125233

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
2GW4	100Y-1H	30889	0	30889
2GW4	100Y-24H	116281	0	116281
2GW4	100Y-8H	60971	0	60971
2GW4	10Y-1H	20707	0	20707
2GW4	10Y-24H	72827	0	72827
2GW4	10Y-8H	45202	0	45202

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
2GW4	25Y-72H	110387	0	110387

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
2GW5	100Y-1H	23191	0	23191
2GW5	100Y-24H	81767	0	81767
2GW5	100Y-8H	48026	0	48026
2GW5	10Y-1H	15381	0	15381
2GW5	10Y-24H	41814	0	41814
2GW5	10Y-8H	35078	0	35078
2GW5	25Y-72H	66692	0	66692

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
2GW6	100Y-1H	19573	0	19573
2GW6	100Y-24H	73876	0	73876
2GW6	100Y-8H	41637	0	41637
2GW6	10Y-1H	13171	0	13171
2GW6	10Y-24H	41786	0	41786
2GW6	10Y-8H	30935	0	30935
2GW6	25Y-72H	63925	0	63925

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
2GW7	100Y-1H	9046	0	9046
2GW7	100Y-24H	44403	0	44403
2GW7	100Y-8H	24275	0	24275
2GW7	10Y-1H	6016	0	6016
2GW7	10Y-24H	20399	0	20399
2GW7	10Y-8H	13969	0	13969
2GW7	25Y-72H	44868	0	44868

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
2GW8	100Y-1H	7467	0	7467
2GW8	100Y-24H	37497	0	37497
2GW8	100Y-8H	21384	0	21384
2GW8	10Y-1H	4963	0	4963
2GW8	10Y-24H	17918	0	17918
2GW8	10Y-8H	11533	0	11533
2GW8	25Y-72H	35306	0	35306

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
2GW9	100Y-1H	45430	0	45430
2GW9	100Y-24H	177384	110	177273
2GW9	100Y-8H	100632	56	100576
2GW9	10Y-1H	27338	0	27338
2GW9	10Y-24H	86929	196	86733
2GW9	10Y-8H	69934	103	69830
2GW9	25Y-72H	135643	676	134967

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
C-100A	100Y-1H	9494	0	9494
C-100A	100Y-24H	0	0	0
C-100A	100Y-8H	52145	0	52145
C-100A	10Y-1H	0	0	0
C-100A	10Y-24H	0	0	0
C-100A	10Y-8H	1280	0	1280
C-100A	25Y-72H	34072	0	34072

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2AS03	100Y-1H	39090	35365	3725
EX2AS03	100Y-24H	50534	46891	3643
EX2AS03	100Y-8H	69897	66187	3710
EX2AS03	10Y-1H	17858	14204	3654
EX2AS03	10Y-24H	27604	23915	3689
EX2AS03	10Y-8H	37018	33320	3698
EX2AS03	25Y-72H	77910	74166	3744

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2AS04	100Y-1H	41976	40907	1069
EX2AS04	100Y-24H	137263	136403	860
EX2AS04	100Y-8H	87849	86533	1316
EX2AS04	10Y-1H	21060	19858	1203
EX2AS04	10Y-24H	62157	61302	855
EX2AS04	10Y-8H	50338	49103	1236
EX2AS04	25Y-72H	128322	127277	1045

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2ES01	100Y-1H	8291	8295	-5
EX2ES01	100Y-24H	22492	22541	-49
EX2ES01	100Y-8H	15950	15949	1
EX2ES01	10Y-1H	5653	5657	-5
EX2ES01	10Y-24H	14723	14724	-1
EX2ES01	10Y-8H	11181	11189	-8
EX2ES01	25Y-72H	21742	21757	-15

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2ES07	100Y-1H	18684	18770	-86
EX2ES07	100Y-24H	58306	57546	759
EX2ES07	100Y-8H	45758	45947	-189
EX2ES07	10Y-1H	14529	14552	-24
EX2ES07	10Y-24H	39024	39608	-584
EX2ES07	10Y-8H	31192	31339	-147
EX2ES07	25Y-72H	49925	49913	12

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2ES08	100Y-1H	42986	39424	3562
EX2ES08	100Y-24H	97562	94622	2940
EX2ES08	100Y-8H	92496	89209	3287
EX2ES08	10Y-1H	22251	18831	3419
EX2ES08	10Y-24H	58307	55733	2575
EX2ES08	10Y-8H	48627	45415	3212

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2ES08	25Y-72H	113366	109939	3427

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2ES09	100Y-1H	7780	7562	218
EX2ES09	100Y-24H	22513	22279	234
EX2ES09	100Y-8H	15713	15502	211
EX2ES09	10Y-1H	5079	4855	224
EX2ES09	10Y-24H	14439	14201	238
EX2ES09	10Y-8H	10768	10536	231
EX2ES09	25Y-72H	21734	21515	219

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2ES10	100Y-1H	1047	795	252
EX2ES10	100Y-24H	581	329	252
EX2ES10	100Y-8H	776	524	252
EX2ES10	10Y-1H	593	341	252
EX2ES10	10Y-24H	425	173	252
EX2ES10	10Y-8H	635	383	252
EX2ES10	25Y-72H	1036	784	252

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2ES11	100Y-1H	9874	9881	-7
EX2ES11	100Y-24H	26798	26824	-25
EX2ES11	100Y-8H	19004	19018	-14
EX2ES11	10Y-1H	6734	6735	-2
EX2ES11	10Y-24H	17543	17529	13
EX2ES11	10Y-8H	13322	13312	10
EX2ES11	25Y-72H	25905	25902	3

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2ES20	100Y-1H	7051	7051	0
EX2ES20	100Y-24H	20569	20568	1
EX2ES20	100Y-8H	14326	14326	0
EX2ES20	10Y-1H	4579	4579	0
EX2ES20	10Y-24H	13158	13158	0
EX2ES20	10Y-8H	9790	9790	0
EX2ES20	25Y-72H	19853	19853	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2ES21	100Y-1H	15338	16710	-1372
EX2ES21	100Y-24H	99171	101308	-2137
EX2ES21	100Y-8H	28207	29473	-1266
EX2ES21	10Y-1H	7788	9076	-1288
EX2ES21	10Y-24H	14005	15317	-1312
EX2ES21	10Y-8H	17979	19212	-1233
EX2ES21	25Y-72H	90214	90783	-569

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S01A	100Y-1H	13831	12543	1287
EX2S01A	100Y-24H	3430	2067	1363
EX2S01A	100Y-8H	56438	55151	1287
EX2S01A	10Y-1H	3167	1895	1272
EX2S01A	10Y-24H	0	0	0
EX2S01A	10Y-8H	5572	4254	1318
EX2S01A	25Y-72H	38379	37026	1353

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S01B	100Y-1H	9494	9494	0
EX2S01B	100Y-24H	0	0	0
EX2S01B	100Y-8H	52145	52145	0
EX2S01B	10Y-1H	0	0	0
EX2S01B	10Y-24H	0	0	0
EX2S01B	10Y-8H	1280	1280	0
EX2S01B	25Y-72H	34072	34072	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S07	100Y-1H	41856	41842	15
EX2S07	100Y-24H	121652	121509	143
EX2S07	100Y-8H	85636	85686	-50
EX2S07	10Y-1H	27937	27884	54
EX2S07	10Y-24H	76059	75537	522
EX2S07	10Y-8H	53562	53289	272
EX2S07	25Y-72H	138830	138746	84

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S09A	100Y-1H	32097	31865	231
EX2S09A	100Y-24H	103481	104399	-919
EX2S09A	100Y-8H	73118	72836	282
EX2S09A	10Y-1H	23762	23638	124
EX2S09A	10Y-24H	65453	65366	86
EX2S09A	10Y-8H	50951	50990	-39
EX2S09A	25Y-72H	102571	103474	-903

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S10	100Y-1H	6001	5988	14
EX2S10	100Y-24H	16276	16291	-15
EX2S10	100Y-8H	11544	11530	14
EX2S10	10Y-1H	4095	4081	14
EX2S10	10Y-24H	10656	10681	-24
EX2S10	10Y-8H	8094	8080	14
EX2S10	25Y-72H	15733	15744	-11

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S14	100Y-1H	5997	5976	21
EX2S14	100Y-24H	16270	16272	-2
EX2S14	100Y-8H	11538	11541	-3
EX2S14	10Y-1H	4088	4071	18
EX2S14	10Y-24H	10651	10657	-6
EX2S14	10Y-8H	8088	8088	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S14	25Y-72H	15728	15732	-4

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S19	100Y-1H	28968	28900	68
EX2S19	100Y-24H	114308	114328	-20
EX2S19	100Y-8H	45974	45883	91
EX2S19	10Y-1H	15835	15758	77
EX2S19	10Y-24H	23979	23999	-20
EX2S19	10Y-8H	30747	30674	73
EX2S19	25Y-72H	96903	96925	-22

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S23	100Y-1H	12990	15026	-2036
EX2S23	100Y-24H	123642	124784	-1142
EX2S23	100Y-8H	35954	37980	-2027
EX2S23	10Y-1H	6720	8822	-2102
EX2S23	10Y-24H	21059	23130	-2071
EX2S23	10Y-8H	17975	20119	-2144
EX2S23	25Y-72H	113412	116050	-2639

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S24	100Y-1H	5485	5482	3
EX2S24	100Y-24H	108621	108739	-118
EX2S24	100Y-8H	25079	25144	-65
EX2S24	10Y-1H	2747	2752	-5
EX2S24	10Y-24H	10906	10922	-16
EX2S24	10Y-8H	6735	6743	-9
EX2S24	25Y-72H	102692	102771	-79

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S25	100Y-1H	3330	3330	0
EX2S25	100Y-24H	15484	15484	0
EX2S25	100Y-8H	9569	9569	0
EX2S25	10Y-1H	1589	1589	0
EX2S25	10Y-24H	8502	8502	0
EX2S25	10Y-8H	5544	5544	0
EX2S25	25Y-72H	14792	14792	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S26	100Y-1H	4115	4115	0
EX2S26	100Y-24H	19686	19686	0
EX2S26	100Y-8H	12077	12077	0
EX2S26	10Y-1H	1924	1924	0
EX2S26	10Y-24H	10710	10710	0
EX2S26	10Y-8H	6928	6928	0
EX2S26	25Y-72H	18794	18794	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S27	100Y-1H	5466	5466	0
EX2S27	100Y-24H	14835	14835	0
EX2S27	100Y-8H	10520	10520	0
EX2S27	10Y-1H	3728	3728	0
EX2S27	10Y-24H	9711	9711	0
EX2S27	10Y-8H	7375	7375	0
EX2S27	25Y-72H	14340	14340	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S28	100Y-1H	23280	23227	53
EX2S28	100Y-24H	63168	63121	47
EX2S28	100Y-8H	44795	44748	47
EX2S28	10Y-1H	15893	15825	68
EX2S28	10Y-24H	41351	41304	47
EX2S28	10Y-8H	31402	31356	47
EX2S28	25Y-72H	61072	61016	56

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S29	100Y-1H	13401	13406	-6
EX2S29	100Y-24H	36369	36369	0
EX2S29	100Y-8H	25791	25791	0
EX2S29	10Y-1H	9139	9160	-21
EX2S29	10Y-24H	23808	23808	0
EX2S29	10Y-8H	18080	18080	0
EX2S29	25Y-72H	35157	35167	-10

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S32	100Y-1H	36444	36021	423
EX2S32	100Y-24H	123153	122602	550
EX2S32	100Y-8H	81337	80735	602
EX2S32	10Y-1H	23045	22651	394
EX2S32	10Y-24H	73776	73301	475
EX2S32	10Y-8H	52619	52199	420
EX2S32	25Y-72H	118462	117510	953

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S35	100Y-1H	5466	5466	0
EX2S35	100Y-24H	14835	14835	0
EX2S35	100Y-8H	10520	10520	0
EX2S35	10Y-1H	3728	3728	0
EX2S35	10Y-24H	9711	9711	0
EX2S35	10Y-8H	7375	7375	0
EX2S35	25Y-72H	14340	14343	-3

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S36	100Y-1H	28242	29325	-1083
EX2S36	100Y-24H	96554	97635	-1082
EX2S36	100Y-8H	63649	64732	-1083
EX2S36	10Y-1H	17627	18709	-1082
EX2S36	10Y-24H	57692	58780	-1088
EX2S36	10Y-8H	41018	42100	-1083

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX2S36	25Y-72H	92710	93985	-1275

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 2E1	100Y-1H	28951	5	28946
POND 2E1	100Y-24H	157540	94762	62778
POND 2E1	100Y-8H	78507	16119	62388
POND 2E1	10Y-1H	16336	10	16326
POND 2E1	10Y-24H	64488	2820	61668
POND 2E1	10Y-8H	43296	7	43289
POND 2E1	25Y-72H	151221	88629	62591

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 2E2	100Y-1H	43503	13651	29851
POND 2E2	100Y-24H	165043	101034	64009
POND 2E2	100Y-8H	105635	42016	63619
POND 2E2	10Y-1H	25758	8747	17010
POND 2E2	10Y-24H	95111	32234	62876
POND 2E2	10Y-8H	65655	21433	44223
POND 2E2	25Y-72H	157867	94180	63687

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR2AS02	100Y-1H	43557	42851	707
PR2AS02	100Y-24H	79103	78922	181
PR2AS02	100Y-8H	89423	88528	895
PR2AS02	10Y-1H	21783	21036	746
PR2AS02	10Y-24H	36437	36329	108
PR2AS02	10Y-8H	49258	48466	792
PR2AS02	25Y-72H	98798	98115	683

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR2S01	100Y-1H	53889	54596	-707
PR2S01	100Y-24H	164253	165304	-1050
PR2S01	100Y-8H	105910	106855	-944
PR2S01	10Y-1H	31935	32698	-763
PR2S01	10Y-24H	100861	101968	-1107
PR2S01	10Y-8H	73826	74726	-900
PR2S01	25Y-72H	159133	160106	-974

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR2S02	100Y-1H	16672	17871	-1199
PR2S02	100Y-24H	60298	61465	-1167
PR2S02	100Y-8H	33211	34345	-1134
PR2S02	10Y-1H	9684	10842	-1158
PR2S02	10Y-24H	29364	30546	-1182
PR2S02	10Y-8H	23657	24783	-1126
PR2S02	25Y-72H	37292	38368	-1076

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR2S06	100Y-1H	14851	15232	-381
PR2S06	100Y-24H	56226	56634	-409
PR2S06	100Y-8H	29556	29963	-406
PR2S06	10Y-1H	9750	10133	-384
PR2S06	10Y-24H	33979	34390	-411
PR2S06	10Y-8H	21591	21997	-406
PR2S06	25Y-72H	42005	42336	-331

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR2S08	100Y-1H	15156	15164	-7
PR2S08	100Y-24H	41175	41121	54
PR2S08	100Y-8H	29176	29178	-1
PR2S08	10Y-1H	10334	10342	-8
PR2S08	10Y-24H	26970	26963	7
PR2S08	10Y-8H	20450	20473	-23
PR2S08	25Y-72H	39799	39805	-6

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR2S09	100Y-1H	59953	60408	-455
PR2S09	100Y-24H	134970	135497	-527
PR2S09	100Y-8H	114630	115163	-533
PR2S09	10Y-1H	34061	34524	-463
PR2S09	10Y-24H	80806	81362	-556
PR2S09	10Y-8H	68138	68689	-552
PR2S09	25Y-72H	159430	159896	-466

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR2S12	100Y-1H	9024	9024	0
PR2S12	100Y-24H	29593	29630	-37
PR2S12	100Y-8H	20009	20009	0
PR2S12	10Y-1H	5428	5428	0
PR2S12	10Y-24H	18225	18264	-38
PR2S12	10Y-8H	13117	13117	0
PR2S12	25Y-72H	28490	28529	-38

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR2S13	100Y-1H	18539	18421	119
PR2S13	100Y-24H	64812	64721	91
PR2S13	100Y-8H	35296	35236	60
PR2S13	10Y-1H	12286	12174	112
PR2S13	10Y-24H	35451	35349	102
PR2S13	10Y-8H	24201	24141	59
PR2S13	25Y-72H	74797	74706	90

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR2S16	100Y-1H	11975	12961	-986
PR2S16	100Y-24H	38940	39904	-965
PR2S16	100Y-8H	23638	24619	-981
PR2S16	10Y-1H	6859	7845	-986
PR2S16	10Y-24H	17431	18405	-974
PR2S16	10Y-8H	16145	17119	-973

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR2S16	25Y-72H	30748	31643	-894

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR2S18	100Y-1H	50150	52344	-2193
PR2S18	100Y-24H	98774	100887	-2114
PR2S18	100Y-8H	81112	83285	-2173
PR2S18	10Y-1H	29947	32126	-2179
PR2S18	10Y-24H	46752	48854	-2101
PR2S18	10Y-8H	55439	57603	-2164
PR2S18	25Y-72H	98189	100127	-1937

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR2S20	100Y-1H	40854	41972	-1118
PR2S20	100Y-24H	123052	124223	-1171
PR2S20	100Y-8H	69154	70294	-1140
PR2S20	10Y-1H	22686	23832	-1146
PR2S20	10Y-24H	35264	36438	-1174
PR2S20	10Y-8H	42841	43953	-1113
PR2S20	25Y-72H	95336	96402	-1066

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR2S21	100Y-1H	12926	12871	55
PR2S21	100Y-24H	78524	78547	-23
PR2S21	100Y-8H	18609	18569	40
PR2S21	10Y-1H	5978	5952	26
PR2S21	10Y-24H	4312	4295	17
PR2S21	10Y-8H	12657	12603	53
PR2S21	25Y-72H	67823	67912	-88

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR2S22	100Y-1H	15164	13912	1251
PR2S22	100Y-24H	41155	40025	1130
PR2S22	100Y-8H	29185	28045	1139
PR2S22	10Y-1H	10341	9211	1130
PR2S22	10Y-24H	26940	25810	1130
PR2S22	10Y-8H	20459	19329	1130
PR2S22	25Y-72H	39783	38522	1261

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR2S33	100Y-1H	24899	24508	392
PR2S33	100Y-24H	89902	89758	145
PR2S33	100Y-8H	53315	53103	212
PR2S33	10Y-1H	16414	16044	371
PR2S33	10Y-24H	36626	36486	139
PR2S33	10Y-8H	37902	37653	249
PR2S33	25Y-72H	56006	55405	600

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR2S34	100Y-1H	33238	32495	743
PR2S34	100Y-24H	135132	134956	176
PR2S34	100Y-8H	72313	71943	370
PR2S34	10Y-1H	19885	19199	686
PR2S34	10Y-24H	60876	60738	138
PR2S34	10Y-8H	46005	45597	407
PR2S34	25Y-72H	118336	117698	638

System 3

Pre-Development Land Use Tables
Post-Development Land Use Tables
Water Quality Summary Table
Drainage Calculations
Drainage System Summary Tables
Pre-Development Node Link Diagram
Pre-Development ICPR Input/Output
Post-Development Node Link Diagram
Post-Development ICPR Input/Output

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

PRE-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 3 **SHGWT EL. (ft-NAVD): 1.45**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
3B01	**10**	**0.30**	**0.30**	0.30	0.00	0.00	**0.00**	0.00	0.00	0.00	32.59	31.14	8.18	**98.00**
3B03	**10**	**0.39**	**0.39**	0.39	0.00	0.00	**0.00**	0.00	0.00	0.00	15.44	13.99	8.18	**98.00**
3B05	**10**	**1.72**	**1.72**	0.13	0.00	1.59	**0.00**	0.00	0.00	0.00	6.00	4.55	8.18	**56.94**
3B07	**10**	**2.74**	**2.74**	0.99	0.00	1.75	**0.00**	0.00	0.00	0.00	7.00	5.55	8.18	**65.68**
3B08	**10**	**0.50**	**0.50**	0.39	0.00	0.11	**0.00**	0.00	0.00	0.00	7.45	6.00	8.18	**84.75**
3B10	**10**	**0.29**	**0.29**	0.00	0.00	0.29	**0.00**	0.00	0.00	0.00	8.00	6.55	8.18	**55.01**
3B11	**10**	**0.57**	**0.57**	0.05	0.00	0.52	**0.00**	0.00	0.00	0.00	6.00	4.55	8.18	**57.27**
3B12	**10**	**0.33**	**0.33**	0.04	0.00	0.29	**0.00**	0.00	0.00	0.00	6.00	4.55	8.18	**58.18**
3B13	**10**	**0.32**	**0.32**	0.32	0.00	0.00	**0.00**	0.00	0.00	0.00	9.07	7.62	8.18	**98.00**
3B14	**10**	**0.12**	**0.12**	0.12	0.00	0.00	**0.00**	0.00	0.00	0.00	18.44	16.99	8.18	**98.00**
3B15	**10**	**0.18**	**0.18**	0.18	0.00	0.00	**0.00**	0.00	0.00	0.00	9.39	7.94	8.18	**98.00**
3B16	**10**	**0.34**	**0.34**	0.33	0.00	0.01	**0.00**	0.00	0.00	0.00	6.66	5.21	8.18	**97.65**
3B18	**10**	**0.18**	**0.18**	0.18	0.00	0.00	**0.00**	0.00	0.00	0.00	10.97	9.52	8.18	**98.00**
3B19	**10**	**0.24**	**0.24**	0.24	0.00	0.00	**0.00**	0.00	0.00	0.00	16.00	14.55	8.18	**98.00**
3B20	**10**	**0.59**	**0.59**	0.54	0.00	0.05	**0.00**	0.00	0.00	0.00	16.69	15.24	8.18	**93.52**
3B21	**10**	**0.24**	**0.24**	0.24	0.00	0.00	**0.00**	0.00	0.00	0.00	10.97	9.52	8.18	**98.00**
3B22	**10**	**0.23**	**0.23**	0.23	0.00	0.00	**0.00**	0.00	0.00	0.00	22.13	20.68	8.18	**98.00**
3B23	**10**	**0.33**	**0.33**	0.29	0.00	0.04	**0.00**	0.00	0.00	0.00	6.64	5.19	8.18	**90.98**
3B24	**10**	**0.37**	**0.37**	0.37	0.00	0.00	**0.00**	0.00	0.00	0.00	6.66	5.21	8.18	**98.00**
3B26	**10**	**0.52**	**0.52**	0.52	0.00	0.00	**0.00**	0.00	0.00	0.00	22.75	21.30	8.18	**98.00**
3B30	**10**	**0.39**	**0.39**	0.39	0.00	0.00	**0.00**	0.00	0.00	0.00	20.28	18.83	8.18	**98.00**
3B32	**10**	**1.32**	**1.32**	0.00	0.00	1.32	**0.00**	0.00	0.00	0.00	7.00	5.55	8.18	**55.01**
3B34	**10**	**0.47**	**0.47**	0.47	0.00	0.00	**0.00**	0.00	0.00	0.00	23.94	22.49	8.18	**98.00**
3B36	**10**	**0.51**	**0.51**	0.51	0.00	0.00	**0.00**	0.00	0.00	0.00	26.70	25.25	8.18	**98.00**
3B38	**10**	**0.40**	**0.40**	0.40	0.00	0.00	**0.00**	0.00	0.00	0.00	7.69	6.24	8.18	**98.00**
3B39	**10**	**1.42**	**1.42**	1.42	0.00	0.00	**0.00**	0.00	0.00	0.00	7.90	6.45	8.18	**98.00**
3B40	**10**	**1.97**	**1.97**	1.97	0.00	0.00	**0.00**	0.00	0.00	0.00	8.50	7.05	8.18	**98.00**
3B41	**10**	**0.34**	**0.34**	0.32	0.00	0.02	**0.00**	0.00	0.00	0.00	8.50	7.05	8.18	**95.41**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

PRE-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 3 **SHGWT EL. (ft-NAVD): 1.45**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
3B42	10	0.31	0.31	0.29	0.00	0.02	0.00	0.00	0.00	0.00	7.95	6.50	8.18	94.99
3B44	10	0.09	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.00	9.00	7.55	8.18	98.00
3B45	10	0.34	0.34	0.31	0.00	0.03	0.00	0.00	0.00	0.00	7.17	5.72	8.18	93.27
3B46	10	0.11	0.11	0.11	0.00	0.00	0.00	0.00	0.00	0.00	8.01	6.56	8.18	98.00
3B47	10	0.36	0.36	0.29	0.00	0.07	0.00	0.00	0.00	0.00	6.91	5.46	8.18	86.28
3B48	10	0.68	0.68	0.49	0.00	0.19	0.00	0.00	0.00	0.00	24.29	22.84	8.18	81.40
3B49	10	0.20	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00	23.99	22.54	8.18	98.00
3B50	10	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	11.17	9.72	8.18	98.00
3B51	10	0.42	0.42	0.42	0.00	0.00	0.00	0.00	0.00	0.00	22.52	21.07	8.18	98.00
3B52	10	0.55	0.55	0.55	0.00	0.00	0.00	0.00	0.00	0.00	16.29	14.84	8.18	98.00
3B53	10	0.55	0.55	0.55	0.00	0.00	0.00	0.00	0.00	0.00	11.17	9.72	8.18	98.00
3B54	10	0.11	0.11	0.11	0.00	0.00	0.00	0.00	0.00	0.00	18.99	17.54	8.18	98.00
3BP01	10	1.25	1.25	0.09	0.00	1.16	0.00	0.00	0.00	0.00	7.00	5.55	8.18	56.85
3BP01-EX	10	3.28	3.28	0.46	0.46	2.36	0.00	0.00	0.00	0.00	10.00	8.55	8.18	62.95
3BP02	10	1.25	1.25	0.00	0.00	1.25	0.00	0.00	0.00	0.00	7.00	5.55	8.18	55.01
3BP03_1	10	2.58	2.58	0.28	0.00	2.30	0.00	0.00	0.00	0.00	6.00	4.55	8.18	57.83
3BP03_2	10	0.40	0.40	0.00	0.00	0.40	0.00	0.00	0.00	0.00	7.00	5.55	8.18	55.01
3BP05A	10	0.32	0.32	0.07	0.00	0.25	0.00	0.00	0.00	0.00	5.00	3.55	4.95	72.11
3BP05B	10	0.93	0.93	0.26	0.00	0.67	0.00	0.00	0.00	0.00	5.00	3.55	4.95	73.71
3BP05C	10	0.64	0.64	0.20	0.00	0.44	0.00	0.00	0.00	0.00	5.00	3.55	4.95	74.61
3BP05D	10	0.22	0.22	0.01	0.00	0.21	0.00	0.00	0.00	0.00	5.00	3.55	4.95	67.91
3BP05E	10	0.32	0.32	0.01	0.00	0.31	0.00	0.00	0.00	0.00	5.00	3.55	4.95	67.59
CSPOND305E TOTALS		32.47	32.47	16.36	0.46	15.65	0.00	0.00	0.00	0.00				
3B55	10	0.62	0.62	0.58	0.00	0.04	0.00	0.00	0.00	0.00	6.60	5.15	8.18	94.99
3B56	10	0.46	0.46	0.46	0.00	0.00	0.00	0.00	0.00	0.00	16.14	14.69	8.18	98.00
3B57	10	0.63	0.63	0.63	0.00	0.00	0.00	0.00	0.00	0.00	22.64	21.19	8.18	98.00
3B60	10	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	13.19	11.74	8.18	98.00
3B61	10	0.34	0.34	0.34	0.00	0.00	0.00	0.00	0.00	0.00	15.60	14.15	8.18	98.00
3B62+A	10	0.45	0.45	0.30	0.00	0.15	0.00	0.00	0.00	0.00	6.00	4.55	8.18	78.58
3B63	10	0.35	0.35	0.35	0.00	0.00	0.00	0.00	0.00	0.00	11.60	10.15	8.18	98.00
3B64	10	0.35	0.35	0.35	0.00	0.00	0.00	0.00	0.00	0.00	11.45	10.00	8.18	98.00
3BP04	10	0.53	0.53	0.00	0.00	0.53	0.00	0.00	0.00	0.00	6.00	4.55	8.18	55.01
CS3S62 TOTALS		4.13	4.13	3.41	0.00	0.72	0.00	0.00	0.00	0.00				
3B27	10	0.15	0.15	0.15	0.00	0.00	0.00	0.00	0.00	0.00	38.30	36.85	8.18	98.00
3B28	10	0.53	0.53	0.53	0.00	0.00	0.00	0.00	0.00	0.00	26.50	25.05	8.18	98.00
3B29	10	0.66	0.66	0.66	0.00	0.00	0.00	0.00	0.00	0.00	10.76	9.31	8.18	98.00
3B37	10	0.87	0.87	0.87	0.00	0.00	0.00	0.00	0.00	0.00	7.69	6.24	8.18	98.00
3BSW-01	10	2.05	2.05	0.00	0.00	2.05	0.00	0.00	0.00	0.00	6.00	4.55	8.18	55.01
CSSWALE301 TOTALS		4.26	4.26	2.21	0.00	2.05	0.00	0.00	0.00	0.00				
SYSTEM TOTALS		40.86	40.86	21.98	0.46	18.42	0.00	0.00	0.00	0.00	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 3 **SHGWT EL. (ft-NAVD): 1.45**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
3B01	10	0.50	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	32.59	31.14	8.18	98.00
3B03	10	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	15.44	13.99	8.18	98.00
3B05	10	0.43	0.43	0.00	0.00	0.43	0.00	0.00	0.00	0.00	6.00	4.55	8.18	55.01
3B07	10	3.29	3.29	2.25	0.00	1.04	0.00	0.00	0.00	0.00	7.00	5.55	8.18	79.45
3B08	10	0.86	0.86	0.80	0.00	0.06	0.00	0.00	0.00	0.00	7.45	6.00	8.18	94.60
3B10	10	0.13	0.13	0.00	0.00	0.13	0.00	0.00	0.00	0.00	8.00	6.55	8.18	55.01
3B11	10	0.46	0.46	0.00	0.00	0.46	0.00	0.00	0.00	0.00	6.00	4.55	8.18	55.01
3B12	10	0.33	0.33	0.04	0.00	0.29	0.00	0.00	0.00	0.00	6.00	4.55	8.18	58.18
3B13	10	0.27	0.27	0.27	0.00	0.00	0.00	0.00	0.00	0.00	9.07	7.62	8.18	98.00
3B14	10	0.17	0.17	0.17	0.00	0.00	0.00	0.00	0.00	0.00	18.44	16.99	8.18	98.00
3B15	10	0.17	0.17	0.17	0.00	0.00	0.00	0.00	0.00	0.00	9.39	7.94	8.18	98.00
3B16	10	0.34	0.34	0.33	0.00	0.01	0.00	0.00	0.00	0.00	6.66	5.21	8.18	97.65
3B18	10	0.37	0.37	0.37	0.00	0.00	0.00	0.00	0.00	0.00	10.97	9.52	8.18	98.00
3B19	10	0.59	0.59	0.59	0.00	0.00	0.00	0.00	0.00	0.00	16.00	14.55	8.18	98.00
3B20	10	0.57	0.57	0.57	0.00	0.00	0.00	0.00	0.00	0.00	16.69	15.24	8.18	98.00
3B21	10	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	10.97	9.52	8.18	98.00
3B22	10	0.20	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00	22.13	20.68	8.18	98.00
3B23	10	0.33	0.33	0.29	0.00	0.04	0.00	0.00	0.00	0.00	6.64	5.19	8.18	90.98
3B24	10	0.28	0.28	0.28	0.00	0.00	0.00	0.00	0.00	0.00	6.66	5.21	8.18	98.00
3B26	10	0.96	0.96	0.96	0.00	0.00	0.00	0.00	0.00	0.00	22.75	21.30	8.18	98.00
3B30	10	0.81	0.81	0.81	0.00	0.00	0.00	0.00	0.00	0.00	20.28	18.83	8.18	98.00
3B32	10	1.05	1.05	0.21	0.00	0.84	0.00	0.00	0.00	0.00	7.00	5.55	8.18	60.44
3B34	10	0.78	0.78	0.78	0.00	0.00	0.00	0.00	0.00	0.00	23.94	22.49	8.18	98.00
3B36	10	0.47	0.47	0.47	0.00	0.00	0.00	0.00	0.00	0.00	26.70	25.25	8.18	98.00
3B38	10	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	7.69	6.24	8.18	98.00
3B39	10	1.42	1.42	1.42	0.00	0.00	0.00	0.00	0.00	0.00	7.90	6.45	8.18	98.00
3B40	10	1.97	1.97	1.97	0.00	0.00	0.00	0.00	0.00	0.00	8.50	7.05	8.18	98.00
3B41	10	0.35	0.35	0.33	0.00	0.02	0.00	0.00	0.00	0.00	8.50	7.05	8.18	95.53

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 3 **SHGWT EL. (ft-NAVD): 1.45**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
3B42	10	0.14	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00	7.95	6.50	8.18	98.00
3B44	10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	9.00	7.55	8.18	98.00
3B45	10	0.32	0.32	0.29	0.00	0.03	0.00	0.00	0.00	0.00	7.17	5.72	8.18	92.88
3B46	10	0.11	0.11	0.11	0.00	0.00	0.00	0.00	0.00	0.00	8.01	6.56	8.18	98.00
3B47	10	0.35	0.35	0.30	0.00	0.05	0.00	0.00	0.00	0.00	6.91	5.46	8.18	89.54
3B48	10	0.89	0.89	0.89	0.00	0.00	0.00	0.00	0.00	0.00	24.29	22.84	8.18	98.00
3B49	10	0.25	0.25	0.25	0.00	0.00	0.00	0.00	0.00	0.00	23.99	22.54	8.18	98.00
3B50	10	0.20	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00	11.17	9.72	8.18	98.00
3B51	10	0.46	0.46	0.46	0.00	0.00	0.00	0.00	0.00	0.00	22.52	21.07	8.18	98.00
3B52	10	0.75	0.75	0.75	0.00	0.00	0.00	0.00	0.00	0.00	16.29	14.84	8.18	98.00
3B53	10	0.70	0.70	0.70	0.00	0.00	0.00	0.00	0.00	0.00	11.17	9.72	8.18	98.00
3B54	10	0.12	0.12	0.12	0.00	0.00	0.00	0.00	0.00	0.00	18.99	17.54	8.18	98.00
3B55	10	0.68	0.68	0.64	0.00	0.04	0.00	0.00	0.00	0.00	6.60	5.15	8.18	95.41
3B56	10	0.33	0.33	0.33	0.00	0.00	0.00	0.00	0.00	0.00	16.14	14.69	8.18	98.00
3B57	10	1.17	1.17	1.17	0.00	0.00	0.00	0.00	0.00	0.00	22.64	21.19	8.18	98.00
3B60	10	0.39	0.39	0.39	0.00	0.00	0.00	0.00	0.00	0.00	13.19	11.74	8.18	98.00
3B61	10	0.52	0.52	0.52	0.00	0.00	0.00	0.00	0.00	0.00	15.60	14.15	8.18	98.00
3B62+A	10	0.57	0.57	0.32	0.00	0.25	0.00	0.00	0.00	0.00	6.00	4.55	8.18	73.60
3B63	10	0.37	0.37	0.37	0.00	0.00	0.00	0.00	0.00	0.00	11.60	10.15	8.18	98.00
3B64	10	0.59	0.59	0.59	0.00	0.00	0.00	0.00	0.00	0.00	11.45	10.00	8.18	98.00
3BP01	10	1.21	1.21	0.00	0.00	1.21	0.00	0.00	0.00	0.00	7.00	5.55	8.18	55.01
3BP01-EX	10	2.24	2.24	0.00	0.38	1.86	0.00	0.00	0.00	0.00	10.00	8.55	8.18	59.55
3BP02	10	1.14	1.14	0.00	0.00	1.14	0.00	0.00	0.00	0.00	7.00	5.55	8.18	55.01
3BP03_1	10	2.65	2.65	0.28	1.29	1.08	0.00	0.00	0.00	0.00	6.00	4.55	8.18	75.00
3BP03_2	10	0.43	0.43	0.00	0.00	0.43	0.00	0.00	0.00	0.00	7.00	5.55	8.18	55.01
3BP04	10	0.15	0.15	0.00	0.00	0.15	0.00	0.00	0.00	0.00	6.00	4.55	8.18	55.01
3BP05A	10	0.32	0.32	0.16	0.00	0.16	0.00	0.00	0.00	0.00	5.00	3.55	4.95	80.16
3BP05B	10	0.75	0.75	0.30	0.00	0.45	0.00	0.00	0.00	0.00	5.00	3.55	4.95	77.10
3BP05C	10	0.53	0.53	0.32	0.00	0.21	0.00	0.00	0.00	0.00	5.00	3.55	4.95	83.60
3BP05D	10	0.19	0.19	0.02	0.00	0.17	0.00	0.00	0.00	0.00	5.00	3.55	4.95	69.31
3BP05E	10	0.10	0.10	0.01	0.00	0.09	0.00	0.00	0.00	0.00	5.00	3.55	4.95	69.18
CSPR305E TOTALS		37.45	37.45	25.14	1.67	10.64	0.00	0.00	0.00	0.00				
3B27	10	0.15	0.15	0.15	0.00	0.00	0.00	0.00	0.00	0.00	38.30	36.85	8.18	98.00
3B28	10	0.45	0.45	0.45	0.00	0.00	0.00	0.00	0.00	0.00	26.50	25.05	8.18	98.00
3B29	10	0.46	0.46	0.46	0.00	0.00	0.00	0.00	0.00	0.00	10.76	9.31	8.18	98.00
3B37	10	0.75	0.75	0.75	0.00	0.00	0.00	0.00	0.00	0.00	7.69	6.24	8.18	98.00
3BSW-01	10	2.62	2.62	0.34	0.00	2.28	0.00	0.00	0.00	0.00	6.00	4.55	8.18	58.42
CSSWALE301 TOTALS		4.43	4.43	2.15	0.00	2.28	0.00	0.00	0.00	0.00				
SYSTEM TOTALS		41.88	41.88	27.29	1.67	12.92	0.00	0.00	0.00	0.00	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY SUMMARY

Drainage System: ***3***

SYSTEM	SHGWT EL. (ft-NAVD)	TOTAL ONSITE AREA (Ac.) *[POST-DEV.]*	ONSITE IMPERVIOUS AREA (Ac.) *[POST-DEV.]*	ONSITE PERVIOUS AREA (Ac.) *[POST-DEV.]*	SFWMD 1" OVER TOTAL ONSITE AREA (Ac-ft)	SFWMD 2.5" OVER IMPERVIOUS AREA (Ac-ft)	[1] SFWMD WATER QUALITY TREATMENT REQUIRED FOR RETENTION (Ac-ft)	[2] DRER WATER QUALITY TREATMENT REQUIRED (Ac-ft)	[3] DRY- / WET-RETENTION TREATMENT VOLUME PROVIDED (Ac-ft)	FRENCH DRAIN TREATMENT VOLUME PROVIDED (Ac-ft)	TOTAL TREATMENT VOLUME PROVIDED (Ac-ft)	SFWMD SURPLUS TREATMENT VOLUME PROVIDED (Ac-ft)
CSPR305E_WEIR	1.45	37.45	25.14	10.64	3.12	5.24	**5.24**	**4.50**	11.06	0.49	**11.54**	**6.30**
CSSWALE301_WEIR	1.45	4.43	2.15	2.28	0.37	0.45	**0.45**	**0.51**	4.32	0.00	**4.32**	**3.87**
SYSTEM TOTAL	2.90	41.88	27.29	12.92	3.49	5.69	**5.69**	**5.01**	15.37	0.49	**15.86**	**10.17**

[1] 2.5" over Additional Impervious Area.

[2] See next page for water quality calculations by Miami-Dade Department of Regulatory and Economic Resources (DRER).

[3] Multiplied by 2 to account for 50% retention volume credit.

POND301			POND302			POND303			POND303A		
TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Wet Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.45	0.32	--	2.45	0.21	--	1.45	1.29	--	2.45	0.08	--
3.45	0.35	0.33	3.45	0.24	0.22	2.45	1.35	1.32	3.45	0.10	0.09
3.90	***0.37***	***0.50***	***3.90***	***0.25***	***0.33***	3.45	1.42	2.71	***3.90***	***0.11***	***0.13***
4.45	0.39	0.71	4.45	0.27	0.47	***3.90***	***1.45***	***3.35***	4.45	0.12	0.19
5.45	0.43	1.12	5.45	0.30	0.76	4.45	1.48	4.16	5.45	0.14	0.32
6.45	0.47	1.57	6.45	0.33	1.07	5.45	1.54	5.67	6.45	0.17	0.48
7.45	0.51	2.06	7.45	0.37	1.43	6.45	1.61	7.25	7.45	0.20	0.66
8.45	0.56	2.59	8.45	0.41	1.82	7.45	1.68	8.89			

POND301EX			SWALE305B (Pre-Dev POND305B)		
TYPE:	Wet Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
1.45	0.38	--	2.45	0.00	--
2.00	0.41	0.22	3.45	0.05	0.03
3.00	0.46	0.65	***3.90***	***0.18***	***0.13***
3.90	***0.50***	***1.09***	4.45	0.24	0.25
4.00	0.50	1.14	5.45	0.29	0.51
5.00	0.55	1.66	6.45	0.34	0.83
6.00	0.60	2.24			
7.00	0.65	2.86			
8.00	0.70	3.54			
8.50	0.73	3.90			

SWALE301			SWALE302			SWALE303		
TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.95	0.22	--	4.75	0.00	--	4.00	0.03	--
3.45	0.28	0.12	6.00	0.01	0.00	5.00	0.09	0.06
4.45	0.45	0.49	7.00	0.05	0.03	6.00	0.15	0.18
5.45	0.56	0.99	8.00	0.09	0.10	7.00	0.23	0.37
6.45	0.68	1.61				8.00	0.31	0.64
7.20	***0.79***	***2.16***						
7.45	0.83	2.36						
8.45	0.94	3.25						

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY CALCULATIONS BY DRER

Drainage System: 3

AREA (CSPR305E_WEIR):

Onsite Impervious	**25.14**	Ac.	70%
Onsite Pervious	**10.64**	Ac.	30%
Total Area	**35.78**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.72 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV}) / A_T = \mathbf{0.72}$$

$t_{1"}$ = 13.12 min.

TOTAL TIME OF CONCENTRATION (T_T)

$$T_T = t_{1"} + Tc = 23.12 \text{ min.}$$

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.48 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ Q_{1"}\ T_T =$ **196230.79** ft^3 = **4.50** **ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY CALCULATIONS BY DRER

Drainage System: 3

AREA (CSSWALE301_WEIR):

Onsite Impervious	**2.15**	Ac.	49%
Onsite Pervious	**2.28**	Ac.	51%
Total Area	**4.43**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.59 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV}) / A_T = \mathbf{0.59}$$

$t_{1"}$ = 17.06 min.

TOTAL TIME OF CONCENTRATION (T_T)

$$T_T = t_{1"} + Tc = 27.06 \text{ min.}$$

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.19 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ Q_{1"}\ T_T =$ **22060.18** **ft³** = **0.51** **ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS
VARIABLE GROUNDWATER CALCULATIONS

Drainage System: **3**

Stage = DHW + [PRG x (RF - DHW)]
See ADICPR Technical Design Guide 2-25

Elevation Conversion:	-1.55	ft.	(NGVD-NAVD)

DHW =	3.00	ft. - NGVD	Design High Water / October Average Groundwater Elevation
	1.45	ft. - NAVD	(MD PWD - W.C. 2.2)
RF =	4.00	ft. - NGVD	Return Frequency Groundwater Elevation / Average Yearly Highest Groundwater Level (AYH) (MD
	2.45	ft. - NAVD	PWD - W.C. 2.1)
PRG=	Variable		(Percentage Rise in Groundwater)

8HR DESIGN STORM DURATION		
TIME	PRG	STAGE
(hrs)	%	(ft-NAVD)
0	0.00	1.45
1	0.02	1.47
2	0.13	1.58
3	0.28	1.73
4	0.70	2.15
5	0.86	2.31
6	0.92	2.37
7	0.97	2.42
8	1.00	2.45
12	0.00	1.45

24HR DESIGN STORM DURATION		
TIME	PRG	STAGE
(hrs)	%	(ft-NAVD)
0.00	0.00	1.45
1.00	0.01	1.46
2.00	0.03	1.48
3.00	0.06	1.51
4.00	0.09	1.54
5.00	0.12	1.57
6.00	0.16	1.61
7.00	0.20	1.65
8.00	0.24	1.69
9.00	0.30	1.75
10.00	0.36	1.81
11.00	0.44	1.89
12.00	0.54	1.99
13.00	0.61	2.06
14.00	0.67	2.12
15.00	0.73	2.18
16.00	0.78	2.23
17.00	0.82	2.27
18.00	0.86	2.31
19.00	0.90	2.35
20.00	0.93	2.38
21.00	0.96	2.41
22.00	0.98	2.43
23.00	0.99	2.44
24.00	1.00	2.45
36.00	0.00	1.45

72HR DESIGN STORM DURATION		
TIME	PRG	STAGE
(hrs)	%	(ft-NAVD)
0.00	0.00	1.45
24.00	0.11	1.56
36.00	0.19	1.64
48.00	0.26	1.71
49.00	0.27	1.72
50.00	0.28	1.73
51.00	0.29	1.74
52.00	0.30	1.75
53.00	0.31	1.76
54.00	0.33	1.78
55.00	0.34	1.79
56.00	0.37	1.82
57.00	0.39	1.84
57.50	0.40	1.85
58.00	0.42	1.87
58.50	0.44	1.89
59.00	0.46	1.91
59.50	0.50	1.95
60.00	0.75	2.20
60.50	0.80	2.25
61.00	0.83	2.28
61.50	0.85	2.30
62.00	0.87	2.32
62.50	0.88	2.33
63.00	0.89	2.34
64.00	0.91	2.36
65.00	0.92	2.37
66.00	0.94	2.39
68.00	0.96	2.41
70.00	0.98	2.43
72.00	1.00	2.45
108.00	0.00	1.45

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

VARIABLE TAILWATER*

Drainage System: **3**

8HR DESIGN STORM DURATION		24HR DESIGN STORM DURATION		72HR DESIGN STORM DURATION	
TIME (hrs)	STAGE (ft-NGVD)	TIME (hrs)	STAGE (ft-NGVD)	TIME (hrs)	STAGE (ft-NGVD)
0.00	1.45	0.00	1.45	0.00	1.45
8.00	2.45	12.50	2.45	60.50	2.45
12.00	2.45	24.00	2.45	72.00	2.45
36.00	1.45	48.00	1.45	96.00	1.45

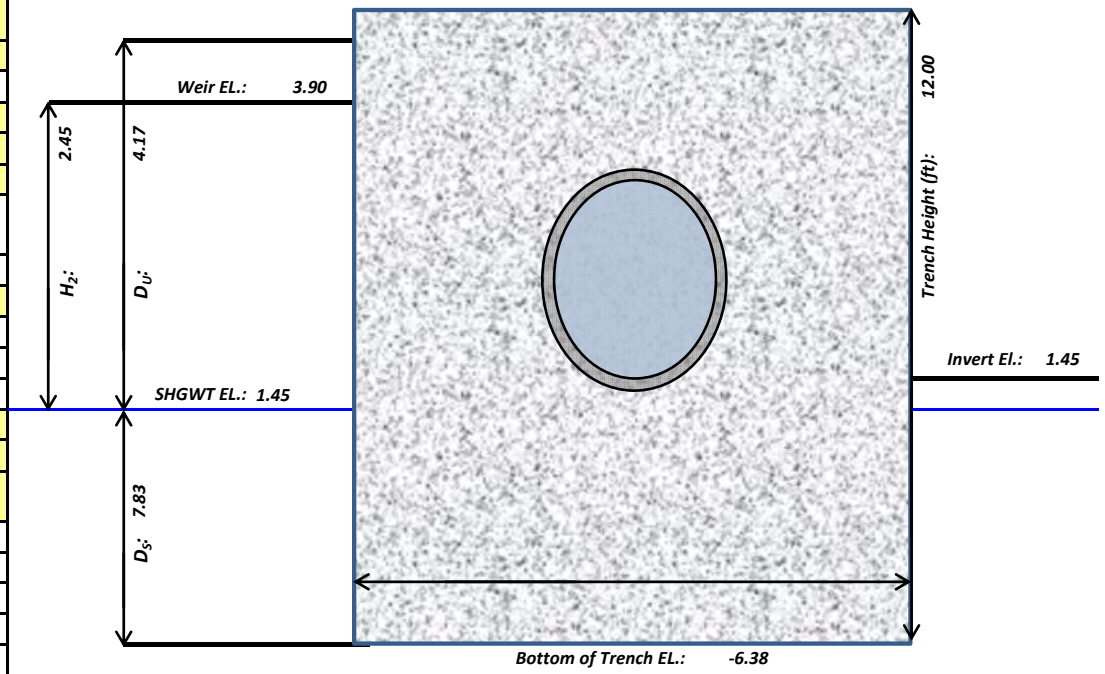
** Per SR 826 Palmetto Expressway Improvement SWM Permit No. 13-00791-S*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 3

French Drain (ICPR Link Name):	**PR3S55A_3GW1C / PR3S556A_3GW1C**
Existing/Proposed:	**Proposed**
SHGWT EL. (ft-NAVD):	**1.45**
Pipe Size (in):	**36**
Effective Length of French Drain, *L* (LF):	**394.0**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, *L* (LF):	**197.00**
Pipe Thickness (in):	**4.00**
Pipe Invert EL. (ft-NAVD):	**1.45**
Top of Trench EL. (ft-NAVD):	5.62
Bottom of Trench EL. (ft-NAVD):	-6.38
Trench Height, H_T (ft):	12.00
Weir EL. (ft-NAVD):	3.90
Trench Width, *W* (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**1.41E-04**
Depth to Water Table, H_2 (ft):	2.45
Non-Saturated Trench Depth, D_U (ft):	4.17
Saturated Trench Depth, D_S (ft):	7.83
H_2W:	11.03
$2H_2D_U$:	20.42
D_U^2:	17.36
$2H_2D_S$:	38.38
$(1.39x10^{-4})WD_U$:	0.002606
d_2:	1.88
d_3:	0.00
K_{10}:	1.41E-04
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	**N/A***
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	**1.66**
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**0.14**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 3

French Drain (ICPR Link Name): **PR3S55A_3GW1C / PR3S556A_3GW1C**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **98.50**

Trench Height, H_T (ft): **12.00**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **1.407E-04**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **5.62**

Bottom of Trench EL. (ft-NAVD): **-6.38**

Weir EL. (ft-NAVD): **3.90**

Upstream Structure Rim/Grate EL. (ft-NAVD): **7.00**

7.5

SHGWT EL. (ft-NAVD): **1.45**

Max Stage EL. (ft-NAVD): ***7.50***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**5.62**	4.17	5.95	4.17	0.00942	**0.9275**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.50**	4.17	5.95	6.05	0.01478	**1.4554**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**5.62**	2.68	6.95	2.68	0.00624	**0.6147**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.50**	2.68	6.95	4.56	0.01134	**1.1171**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

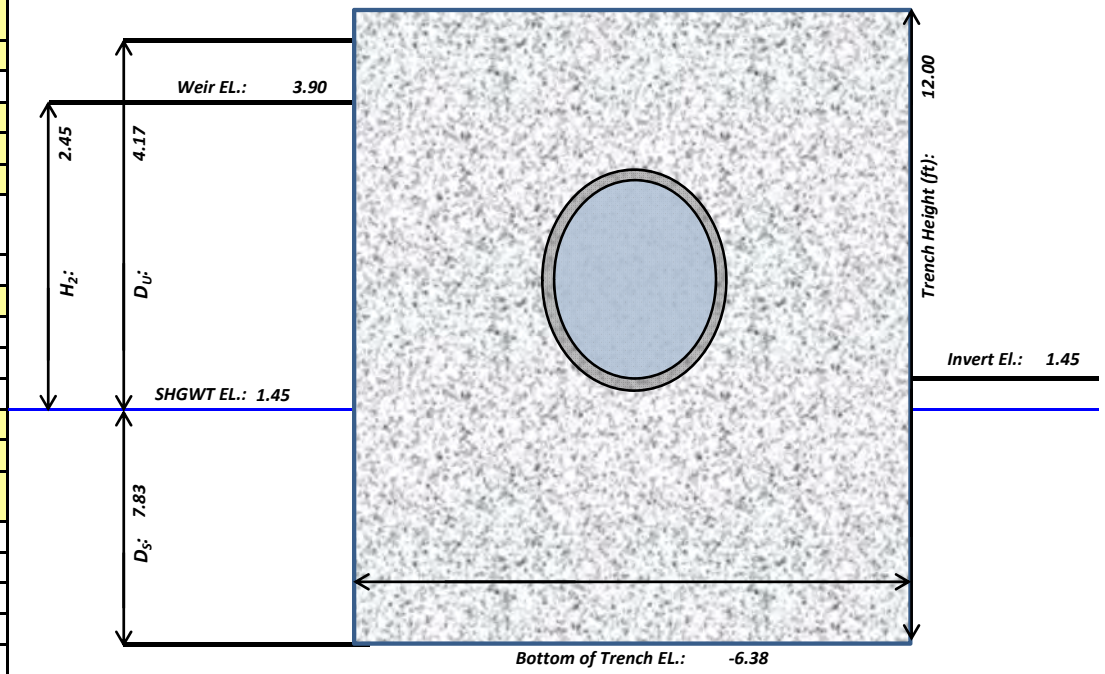
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**5.62**	**0.9275**
1.45	**7.50**	**1.4554**
2.94	**2.94**	**0.0000**
2.94	**5.62**	**0.6147**
2.94	**7.50**	**1.1171**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 3

French Drain (ICPR Link Name):	**PR3S58_3GW1B / PR3S56A_3GW1B**
Existing/Proposed:	**Proposed**
SHGWT EL. (ft-NAVD):	**1.45**
Pipe Size (in):	**36**
Effective Length of French Drain, *L* (LF):	**219.0**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, *L* (LF):	**109.50**
Pipe Thickness (in):	**4.00**
Pipe Invert EL. (ft-NAVD):	**1.45**
Top of Trench EL. (ft-NAVD):	5.62
Bottom of Trench EL. (ft-NAVD):	-6.38
Trench Height, H_T (ft):	12.00
Weir EL. (ft-NAVD):	3.90
Trench Width, *W* (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**1.41E-04**
Depth to Water Table, H_2 (ft):	2.45
Non-Saturated Trench Depth, D_U (ft):	4.17
Saturated Trench Depth, D_S (ft):	7.83
H_2W:	11.03
$2H_2D_U$:	20.42
D_U^2:	17.36
$2H_2D_S$:	38.38
$(1.39x10^{-4})WD_U$:	0.002606
d_2:	1.88
d_3:	0.00
K_{10}:	1.41E-04
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	**N/A***
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	**0.92**
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**0.08**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 3

French Drain (ICPR Link Name): **PR3S58_3GW1B / PR3S56A_3GW1B**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **54.75**

Trench Height, H_T (ft): **12.00**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **1.407E-04**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **5.62**

Bottom of Trench EL. (ft-NAVD): **-6.38**

Weir EL. (ft-NAVD): **3.90**

Upstream Structure Rim/Grate EL. (ft-NAVD): **7.00**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage EL. (ft-NAVD): ***7.50***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**5.62**	4.17	5.95	4.17	0.00942	**0.5155**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.50**	4.17	5.95	6.05	0.01478	**0.8090**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**5.62**	2.68	6.95	2.68	0.00624	**0.3417**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.50**	2.68	6.95	4.56	0.01134	**0.6209**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

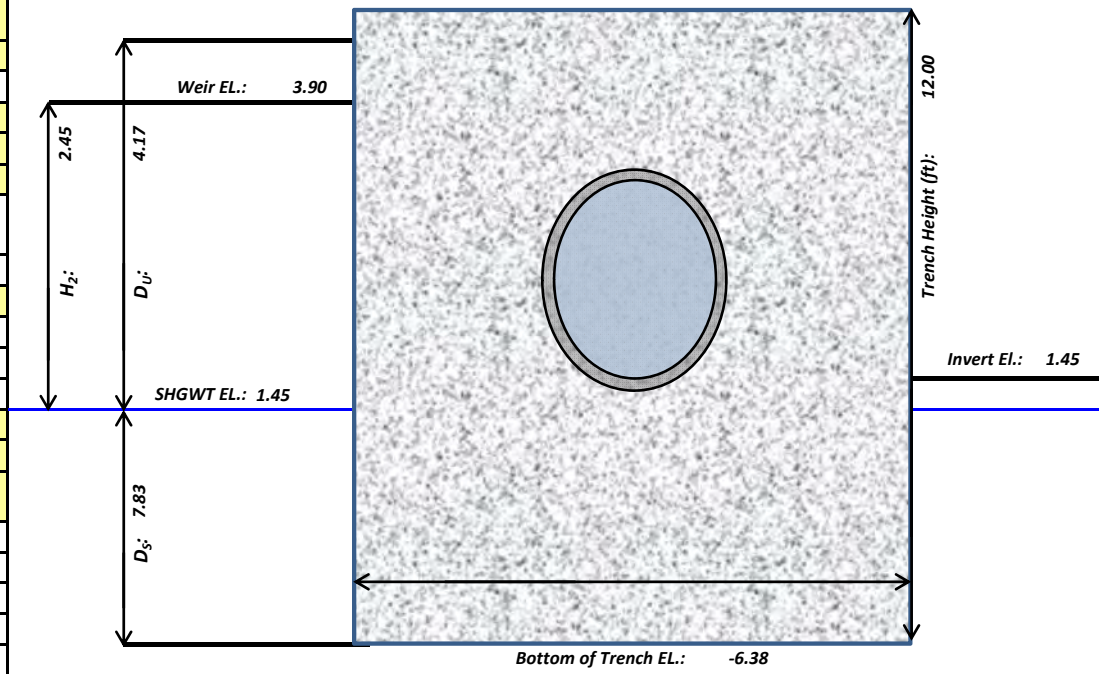
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**5.62**	**0.5155**
1.45	**7.50**	**0.8090**
2.94	**2.94**	**0.0000**
2.94	**5.62**	**0.3417**
2.94	**7.50**	**0.6209**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 3

French Drain (ICPR Link Name):	PR3S59_3GW1A / PR3S58_3GW1A
Existing/Proposed:	**Proposed**
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	334.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	167.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	5.62
Bottom of Trench EL. (ft-NAVD):	-6.38
Trench Height, H_T (ft):	12.00
Weir EL. (ft-NAVD):	3.90
Trench Width, W (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	1.41E-04
Depth to Water Table, H_2 (ft):	2.45
Non-Saturated Trench Depth, D_U (ft):	4.17
Saturated Trench Depth, D_S (ft):	7.83
H_2W:	11.03
$2H_2D_U$:	20.42
D_U^2:	17.36
$2H_2D_S$:	38.38
$(1.39x10^{-4})WD_U$:	0.002606
d_2:	1.88
d_3:	0.00
K_{10}:	1.41E-04
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	1.41
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.12**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 3

French Drain (ICPR Link Name): **PR3S59_3GW1A / PR3S58_3GW1A**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **83.50**

Trench Height, H_T (ft): **12.00**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **1.407E-04**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **5.62**

Bottom of Trench EL. (ft-NAVD): **-6.38**

Weir EL. (ft-NAVD): **3.90**

Upstream Structure Rim/Grate EL. (ft-NAVD): **7.00**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage EL. (ft-NAVD): ***7.50***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**5.62**	4.17	5.95	4.17	0.00942	**0.7862**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.50**	4.17	5.95	6.05	0.01478	**1.2337**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**5.62**	2.68	6.95	2.68	0.00624	**0.5211**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.50**	2.68	6.95	4.56	0.01134	**0.9469**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

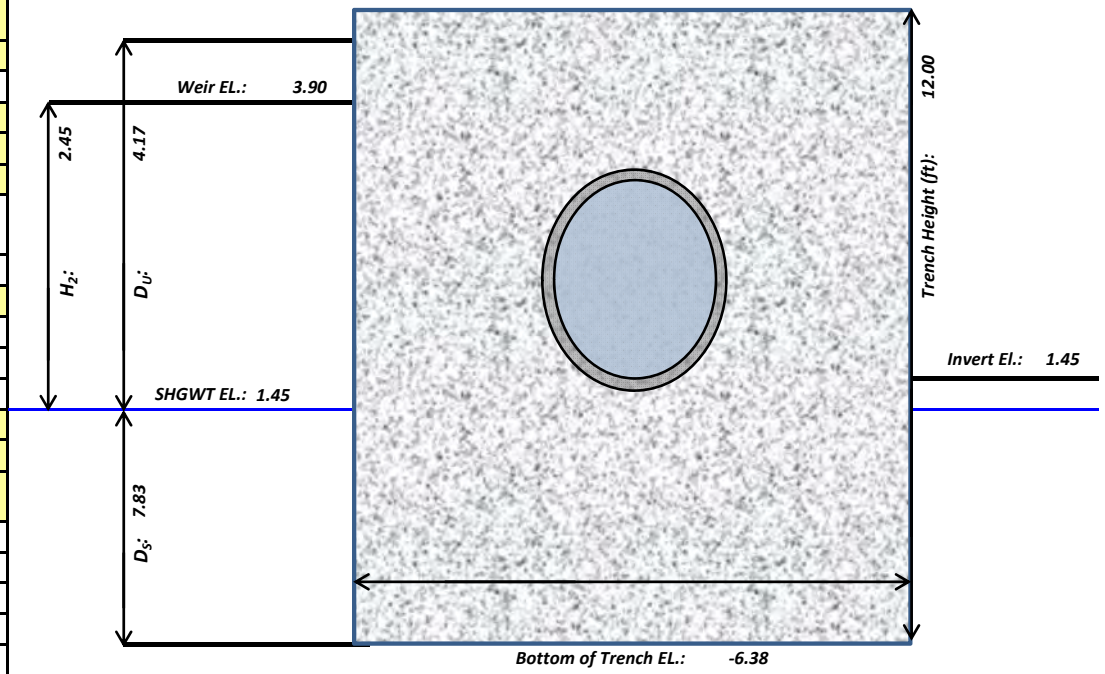
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**5.62**	**0.7862**
1.45	**7.50**	**1.2337**
2.94	**2.94**	**0.0000**
2.94	**5.62**	**0.5211**
2.94	**7.50**	**0.9469**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 3

French Drain (ICPR Link Name):	**PR305A1_3GW2 / PR305C_3GW2**
Existing/Proposed:	**Proposed**
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	434.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	217.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	5.62
Bottom of Trench EL. (ft-NAVD):	-6.38
Trench Height, H_T (ft):	12.00
Weir EL. (ft-NAVD):	3.90
Trench Width, W (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	1.41E-04
Depth to Water Table, H_2 (ft):	2.45
Non-Saturated Trench Depth, D_U (ft):	4.17
Saturated Trench Depth, D_S (ft):	7.83
$H_2 W$:	11.03
$2H_2 D_U$:	20.42
D_U^2:	17.36
$2H_2 D_S$:	38.38
$(1.39x10^{-4})WD_U$:	0.002606
d_2:	1.88
d_3:	0.00
K_{10}:	1.41E-04
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	1.83
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.15**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 3

French Drain (ICPR Link Name): **PR305A1_3GW2 / PR305C_3GW2**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **108.50**

Trench Height, H_T (ft): **12.00**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head): **1.407E-04**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **5.62**

Bottom of Trench EL. (ft-NAVD): **-6.38**

Weir EL. (ft-NAVD): **3.90**

Upstream Structure Rim/Grate EL. (ft-NAVD): **6.00**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage EL. (ft-NAVD): ***6.45***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**5.62**	4.17	5.95	4.17	0.00942	**1.0216**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**6.45**	4.17	5.95	5.00	0.01179	**1.2789**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**5.62**	2.68	6.95	2.68	0.00624	**0.6771**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**6.45**	2.68	6.95	3.51	0.00850	**0.9220**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**5.62**	**1.0216**
1.45	**6.45**	**1.2789**
2.94	**2.94**	**0.0000**
2.94	**5.62**	**0.6771**
2.94	**6.45**	**0.9220**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

DRAINAGE SYSTEM SUMMARY TABLES

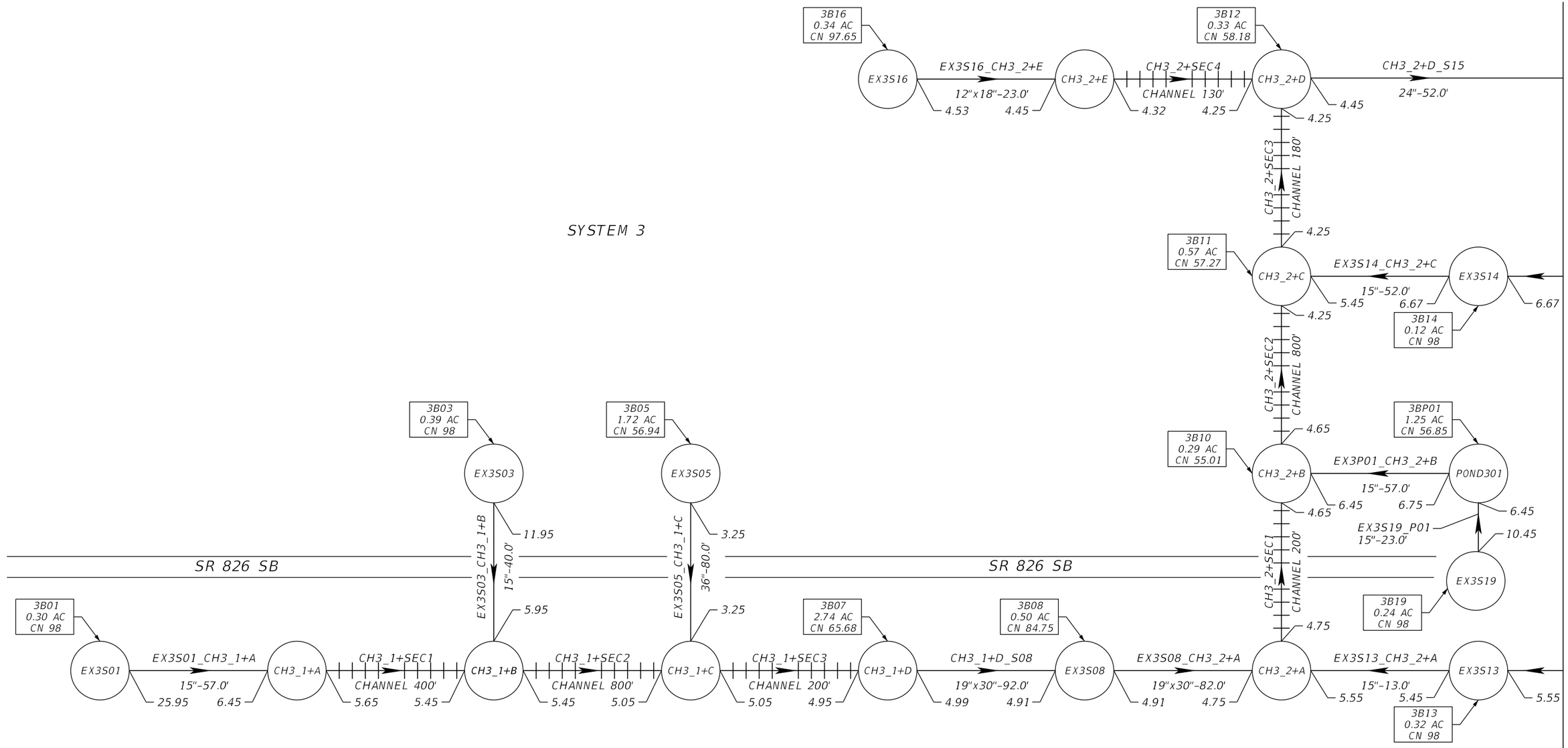
DRAINAGE SYSTEM: *3*

Summary of Peak Discharges			
Receiving Waterbody:	**Snapper Creek**		
PRE-DEVELOPMENT			
ICPR Node:	**10yr-24hr**	**25yr-72hr**	**100yr-24hr**
O301	9.46	17.14	16.84
O302	48.15	56.26	72.12
PRE-DEVELOPMENT TOTALS:	**48.15**	**56.26**	**72.12**
POST-DEVELOPMENT			
ICPR Node:	**10yr-24hr**	**25yr-72hr**	**100yr-24hr**
O301	-	-	-
O302	33.73	41.49	54.29
POST-DEVELOPMENT TOTALS:	**33.73**	**41.49**	**54.29**
Pre-Post 25yr-72hr Peak Discharge Reduction (cfs):	***14.77***		

Summary of Peak Stages									
				PRE-DEVELOPMENT			**POST-DEVELOPMENT**		
Pond/ Swale/ FD #	**Type: [Wet/Dry, Det./Ret., FD]**	**Disposition [Exist./ Prop./ Modified]**	**Warning EL. [Min. Berm/ Min. EOP] (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**
POND301	Dry Retention	Modified	8.45	6.79	7.11	7.14	6.13	7.36	7.97
POND302	Dry Retention	Modified	8.45	7.01	7.41	7.38	6.13	7.35	7.93
POND303	Wet Retention	Modified	7.45	5.14	5.95	6.01	5.20	6.31	6.81
POND303A	Dry Retention	Prop.	7.45	-	-	-	5.20	6.31	6.82
POND304	Dry Retention	Exist.	6.45	5.26	5.59	5.54	-	-	-
POND305A	Dry Retention	Exist.	6.45	5.08	5.27	5.78	-	-	-
POND305B/SWALE305B	Dry Retention	Modified	6.45	4.93	5.12	5.47	5.32	5.64	6.17
POND305C	Dry Retention	Exist.	6.45	4.81	4.94	5.21	-	-	-
POND305D	Dry Retention	Exist.	6.45	4.83	4.96	5.24	-	-	-
POND305E	Dry Retention	Exist.	6.45	4.66	4.74	4.88	-	-	-
POND301EX	Wet Retention	Modified	8.50	3.77	5.33	5.49	6.14	7.36	7.95
SWALE301	Dry Retention	Exist.	8.45	7.17	7.43	7.39	7.13	7.55	7.50
SWALE302	Dry Retention	Prop.	8.00	-	-	-	7.06	7.38	7.97
SWALE303	Dry Retention	Prop.	8.00	-	-	-	6.13	7.36	7.93

Control Structure Summary Table - Proposed Conditions					
Control Structure:	**Disposition [Exist./ Prop./ Modified]**	**Weir Type/ Geometry**	**Weir EL. (ft-NAVD)**	**Bleeder Type/ Geometry**	**Bleeder Invert EL. (ft-NAVD)**
CSSWALE301_WEIR	Exist.	Horizontal Type H Grate / Rectangular (3'x6.5')	7.20		
CSPR305E_WEIR	Prop.	Vertical / Rectangular (2'x8')	3.90		

SYSTEM 3



LEGEND

B-### #.## AC CN ##.# — CONTRIBUTING BASIN, BASIN NAME, BASIN AREA, CURVE NUMBER	NODE NAME — BOUNDARY NODE WITH CONSTANT TAILWATER	###-### ##"-###' #.## #.## — EXFILTRATION TRENCH LINK WITH SIZE-LENGTH INVERT ELEVATION	####_WEIR VERTICAL TYPE EL. #.##, ## — WEIR LINK WITH WEIR TYPE ELEVATION, WIDTH	###### CHANNEL ###' #.## #.## — CHANNEL LINK WITH LENGTH INVERT ELEVATION
#-### — NODE NAME	PATRICIA LAKE — BOUNDARY NODE WITH VARIABLE TAILWATER	###-### (#)##"-###' #.## #.## — PIPE LINK WITH (QUANTITY)SIZE-LENGTH INVERT ELEVATION	##_## — RATING CURVE LINK	

N.T.S.

1 OF 5

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

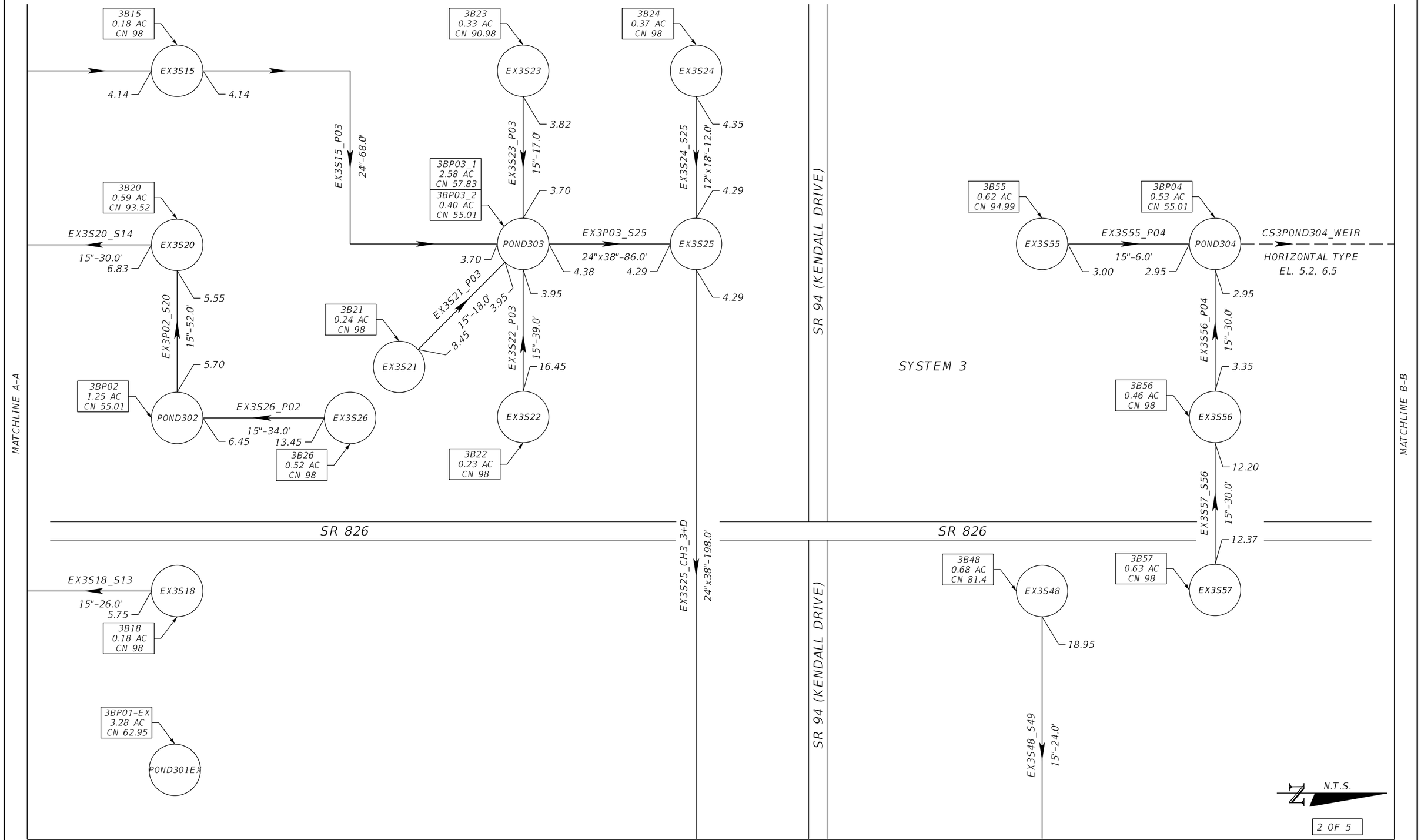
AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-1



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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-2

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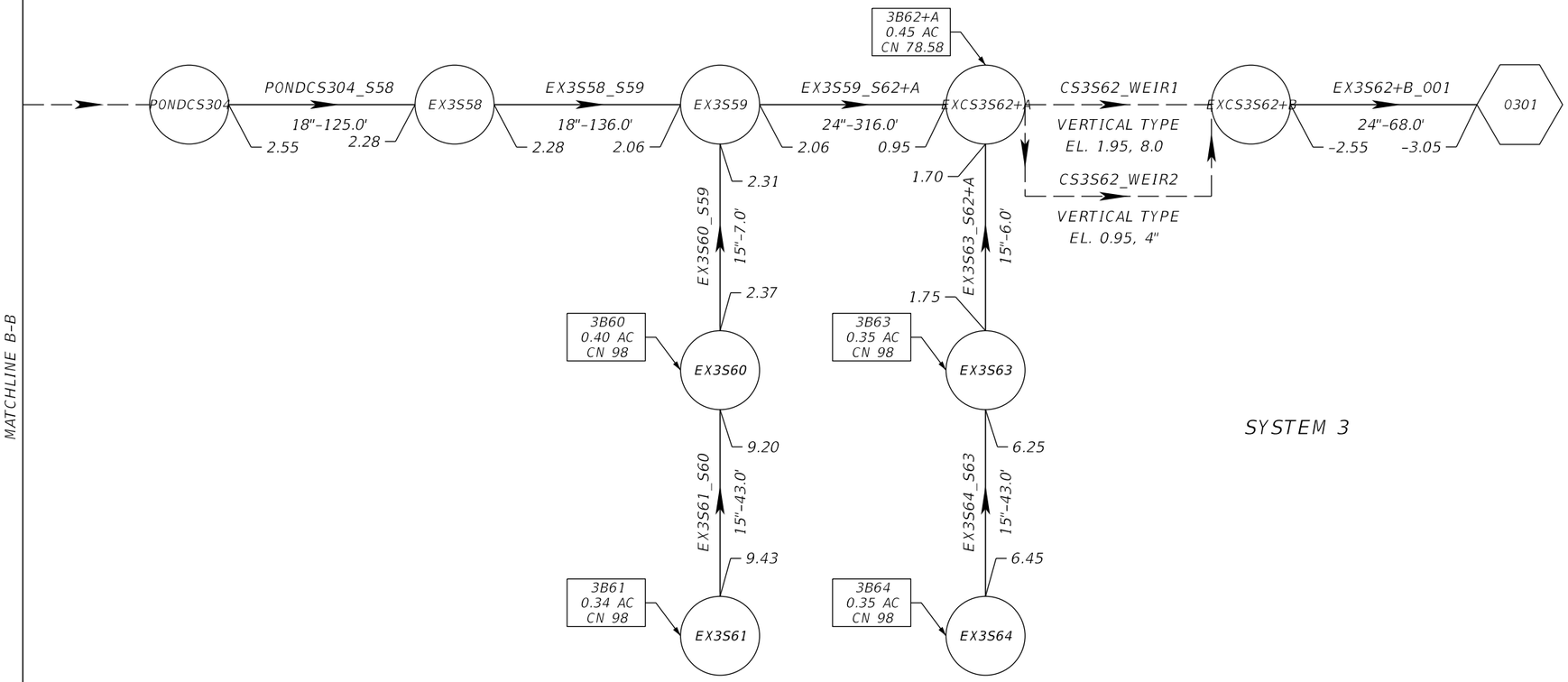

N.T.S.

3 OF 5

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REVISIONS			
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-3

MATCHLINE C-C

SYSTEM 3

3B30
0.39 AC
CN 98

EX3S30

EX3S30_CH3_3+A
15"-10.0'

16.20

15.45

3B34
0.47 AC
CN 98

EX3S34

EX3S34_CH3_3+B
15"-34.0'

16.95

7.95

SR 94 (KENDALL DRIVE)

EX3S25_CH3_3+D
24"x38"-198.0'

4.09

3B32
1.32 AC
CN 55.01

3B41
0.34 AC
CN 95.41

EX3S41

EX3S41_S42
15"-166.0'

4.45

3.85

3B49
0.20 AC
CN 98

18.45

EX3S49

EX3S36_S49
15"-167.0'

18.45

19.75

3B36
0.51 AC
CN 98

EX3S36

EX3S49_P05B
15"-3.5'

2.45

2.45

3BP05B
0.93 AC
CN 73.71

CH3_3+A

CH3_3+SEC1
CHANNEL 280'

7.09

6.95

CH3_3+B

CH3_3+SEC2
CHANNEL 280'

6.95

4.15

CH3_3+C

CH3_3+SEC3
CHANNEL 200'

4.15

4.05

CH3_3+D

CH3_3+D_S42
30"-144.0'

4.09

2.45

EX3S42

EX3S42_P05B
(2)30"-52.0'

2.45

2.45

POND305B

EX3P05B_P05C
(2)29"x45"-105.0'

2.45

3B42
0.31 AC
CN 94.99

EX3SWALECS301_3+C
30"-75.0'

4.03

4.16

EX3P05A_P05B
34"x53"-39.0'

2.45

2.45

3BP05A
0.32 AC
CN 72.11

3B45
0.34 AC
CN 93.27

SWALECS301

CSSWALE301_WEIR
HORIZONTAL TYPE
EL. 7.2, 6.5

POND305A

EX3S45_P05A
15"-41.0'

2.45

2.65

EX3S45

EX3S47_S45
15"-54.0'

2.65

2.45

SR 826

SR 826

SR 826

3BSW-01
2.05 AC
CN 55.01

3B37
0.87 AC
CN 98

EX3S29

EX3S29_SW01
15"-11.0'

5.61

5.45

SWALE301

EX3S37_SW01
15"-67.0'

3.95

4.65

EX3S37

EX3S44_P05A
34"x53"-94.0'

2.45

2.75

3B38
0.40 AC
CN 98

3B44
0.09 AC
CN 98

3B29
0.66 AC
CN 98

EX3S28_SW01
15"-45.0'

6.00

EX3S27_SW01
15"-70.0'

7.45

EX3S38

EX3S38_S44
18"-145.0'

4.00

3.85

EX3S44

EX3S44_P05C
15"-3.0'

6.20

3.85

EX3S46_S44
27"-110.0'

33.45

21.50

EX3S28

EX3S27

3B28
0.53 AC
CN 98

3B27
0.15 AC
CN 98

3B39
1.42 AC
CN 98

3B40
1.97 AC
CN 98

4.15

3B46
0.11 AC
CN 98

EX3S39

EX3S39_S40
15"-40.0'

4.20

4.15

EX3S40

EX3S40_S46
27"-605.0'

4.15

4.00

EX3S46

N.T.S.

4 OF 5

MATCHLINE D-D

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

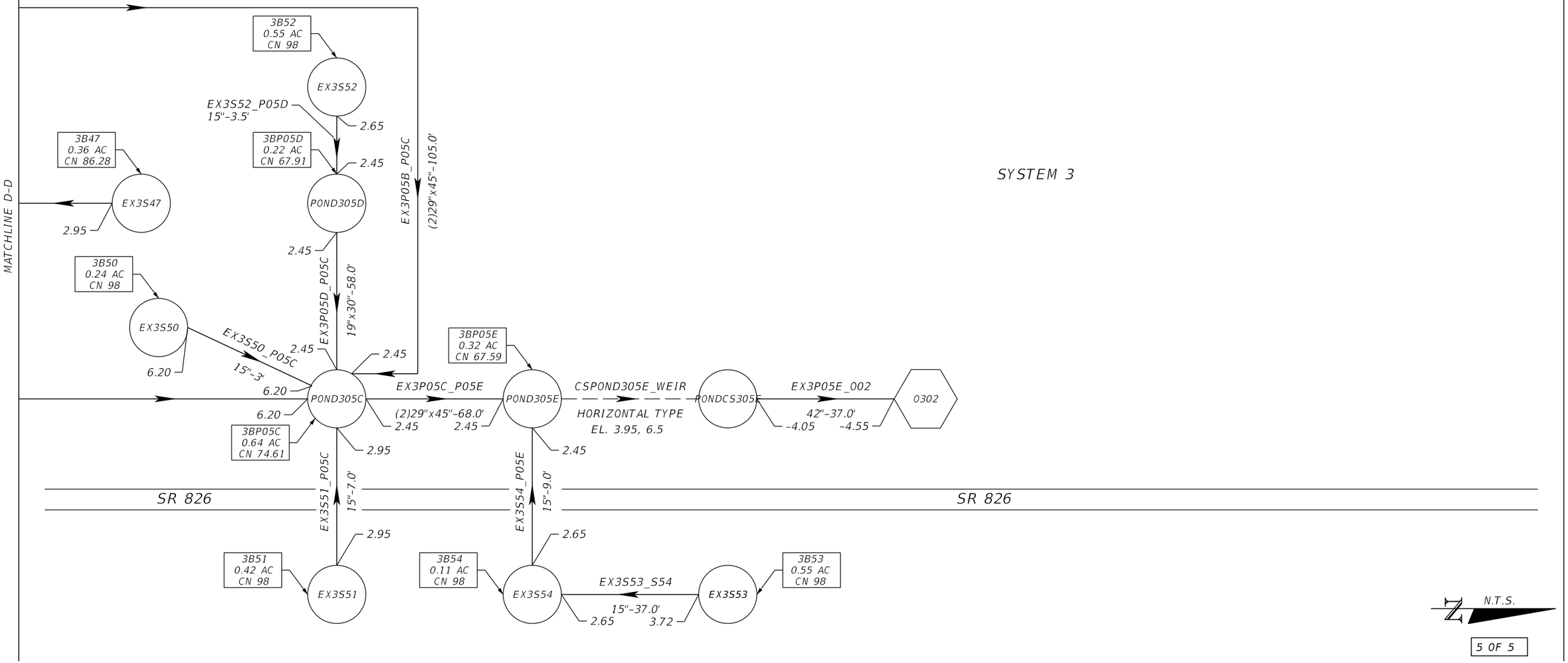
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO.
NL-4

SYSTEM 3



REVISIONS			
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-5

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SchmansD 8/14/2019 10:06:59 AM c:\pw_work\rsh_pw\pw_user\d0171047\ICPR NODE-LINK DIAGRAM_PRE SYSTEM 3.dgn.DGN

Simple Basin: 3B01

Scenario:	Scenario1
Node:	EX3S01
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B03

Scenario:	Scenario1
Node:	EX3S03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B05

Scenario:	Scenario1
Node:	EX3S05
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.7200 ac
Curve Number:	56.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B07

Scenario:	Scenario1
Node:	CH3_1+D
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.7400 ac
Curve Number:	65.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B08

Scenario:	Scenario1
Node:	EX3S08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5000 ac
Curve Number:	84.8
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B10

Scenario:	Scenario1
Node:	CH3_2+B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2900 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B11

Scenario:	Scenario1
Node:	CH3_2+C
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5700 ac
Curve Number:	57.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B12

Scenario:	Scenario1
Node:	CH3_2+D
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3300 ac
Curve Number:	58.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B13

Scenario:	Scenario1
Node:	EX3S13
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B14

Scenario:	Scenario1
Node:	EX3S14
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B15

Scenario:	Scenario1
Node:	EX3S15
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B16

Scenario:	Scenario1
Node:	EX3S16
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3400 ac
Curve Number:	97.7
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B18

Scenario:	Scenario1
Node:	EX3S18
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B19

Scenario:	Scenario1
Node:	EX3S19
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B20

Scenario:	Scenario1
Node:	EX3S20
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5900 ac
Curve Number:	93.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B21

Scenario:	Scenario1
Node:	EX3S21
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B22

Scenario:	Scenario1
Node:	EX3S22
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B23

Scenario:	Scenario1
Node:	EX3S23
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3300 ac
Curve Number:	91.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B24

Scenario:	Scenario1
Node:	EX3S24
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B26

Scenario:	Scenario1
Node:	EX3S26
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B27

Scenario:	Scenario1
Node:	EX3S27
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B28

Scenario:	Scenario1
Node:	EX3S28
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B29

Scenario:	Scenario1
Node:	EX3S29
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B30

Scenario:	Scenario1
Node:	EX3S30
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B32

Scenario:	Scenario1
Node:	CH3_3+D
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3200 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B34

Scenario:	Scenario1
Node:	EX3S34
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B36

Scenario:	Scenario1
Node:	EX3S36
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B37

Scenario:	Scenario1
Node:	EX3S37
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B38

Scenario:	Scenario1
Node:	EX3S38
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B39

Scenario:	Scenario1
Node:	EX3S39
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.4200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B40

Scenario:	Scenario1
Node:	EX3S40
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.9700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B41

Scenario:	Scenario1
Node:	EX3S41
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3400 ac
Curve Number:	95.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B42

Scenario:	Scenario1
Node:	EX3S42
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3100 ac
Curve Number:	95.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B44

Scenario:	Scenario1
Node:	EX3S44
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B45

Scenario:	Scenario1
Node:	EX3S45
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3400 ac
Curve Number:	93.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B46

Scenario:	Scenario1
Node:	EX3S46
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B47

Scenario:	Scenario1
Node:	EX3S47
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3600 ac
Curve Number:	86.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B48

Scenario:	Scenario1
Node:	EX3S48
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6800 ac
Curve Number:	81.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B49

Scenario:	Scenario1
Node:	EX3S49
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B50

Scenario:	Scenario1
Node:	EX3S50
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B51

Scenario:	Scenario1
Node:	EX3S51
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B52

Scenario:	Scenario1
Node:	EX3S52
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B53

Scenario:	Scenario1
Node:	EX3S53
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B54

Scenario:	Scenario1
Node:	EX3S54
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B55

Scenario:	Scenario1
Node:	EX3S55
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6200 ac
Curve Number:	95.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B56

Scenario:	Scenario1
Node:	EX3S56
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B57

Scenario:	Scenario1
Node:	EX3S57
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B60

Scenario:	Scenario1
Node:	EX3S60
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B61

Scenario:	Scenario1
Node:	EX3S61
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B62+A

Scenario:	Scenario1
Node:	EXCS3S62+A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4500 ac
Curve Number:	78.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B63

Scenario:	Scenario1
Node:	EX3S63
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B64

Scenario:	Scenario1
Node:	EX3S64
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3BP01

Scenario:	Scenario1
Node:	POND301
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2500 ac
Curve Number:	56.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3BP01-EX

Scenario:	Scenario1
Node:	POND301EX
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.2800 ac
Curve Number:	63.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3BP02

Scenario:	Scenario1
Node:	POND302
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2500 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3BP03_1

Scenario:	Scenario1
Node:	POND303
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.5800 ac
Curve Number:	57.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3BP03_2

Scenario:	Scenario1
Node:	POND303
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4000 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3BP04

Scenario:	Scenario1
Node:	POND304
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5300 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3BP05A

Scenario:	Scenario1
Node:	POND305A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3200 ac
Curve Number:	72.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3BP05B

Scenario:	Scenario1
Node:	POND305B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9300 ac
Curve Number:	73.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3BP05C

Scenario:	Scenario1
Node:	POND305C
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6400 ac
Curve Number:	74.6
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3BP05D

Scenario:	Scenario1
Node:	POND305D
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2200 ac
Curve Number:	67.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3BP05E

Scenario:	Scenario1
Node:	POND305E
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3200 ac
Curve Number:	67.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3BSW-01

Scenario:	Scenario1
Node:	SWALE301
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.0500 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Node: CH3_1+A

Scenario:	Scenario1
Type:	Stage/Area
Base Flow:	0.00 cfs
Initial Stage:	5.65 ft
Warning Stage:	7.65 ft

Stage [ft]	Area [ac]	Area [ft2]
5.65	0.0003	13
7.65	0.0003	13

Comment: Channel Node

PREVIOUSLY EX3S02

Node: CH3_1+B

Scenario:	Scenario1
Type:	Stage/Area
Base Flow:	0.00 cfs
Initial Stage:	5.45 ft
Warning Stage:	7.45 ft

Stage [ft]	Area [ac]	Area [ft2]
5.45	0.0003	13
7.45	0.0003	13

Comment: Channel Node

PREVIOUSLY EX3S04

Node: CH3_1+C

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.05 ft
Warning Stage: 7.05 ft

Stage [ft]	Area [ac]	Area [ft2]
5.05	0.0003	13
7.05	0.0003	13
7.06	0.0030	131

Comment: S-27

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PREVIOUSLY EX3S06

Node: CH3_1+D

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.95 ft
Warning Stage: 7.05 ft

Stage [ft]	Area [ac]	Area [ft2]
4.95	0.0003	13
6.95	0.0003	13
6.96	0.0030	131

Comment: S-28

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PREVIOUSLY EX3S07

Node: CH3_2+A

Scenario: Scenario1

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.75 ft
Warning Stage: 6.75 ft

Stage [ft]	Area [ac]	Area [ft2]
4.75	0.0003	13
6.75	0.0003	13

Comment: Channel Node

PREVIOUSLY EX3S09

Node: CH3_2+B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.65 ft
Warning Stage: 7.70 ft

Stage [ft]	Area [ac]	Area [ft2]
4.65	0.0003	13
7.70	0.0003	13

Comment: Channel Node

PREVIOUSLY EX3S10

Node: CH3_2+C

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.29 ft
Warning Stage: 6.29 ft

Stage [ft]	Area [ac]	Area [ft2]
4.29	0.0003	13
6.29	0.0003	13

Comment: Channel Node

PREVIOUSLY EX3S11

Node: CH3_2+D

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.25 ft
Warning Stage: 6.25 ft

Stage [ft]	Area [ac]	Area [ft2]
4.25	0.0003	13
6.25	0.0003	13
6.26	0.0030	131

Comment: S-40

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PREVIOUSLY EX3S12

Node: CH3_2+E

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.27 ft
Warning Stage: 6.27 ft

Stage [ft]	Area [ac]	Area [ft2]
4.27	0.0003	13
6.27	0.0003	13

Comment: Channel Node

PREVIOUSLY EX3S17

Node: CH3_3+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.09 ft
Warning Stage: 17.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.09	0.0003	13
17.00	0.0003	13

Comment: Channel Node

PREVIOUSLY EX3S31

Node: CH3_3+B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.95 ft
Warning Stage: 8.95 ft

Stage [ft]	Area [ac]	Area [ft2]
6.95	0.0003	13
8.95	0.0003	13

Comment: Channel Node

PREVIOUSLY EX3S35

Node: CH3_3+C

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.15 ft
Warning Stage: 6.53 ft

Stage [ft]	Area [ac]	Area [ft2]
4.15	0.0003	13
6.53	0.0003	13

Comment: Channel Node

PREVIOUSLY EX3S33

Node: CH3_3+D

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.09 ft
Warning Stage: 6.59 ft

Stage [ft]	Area [ac]	Area [ft2]
4.09	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
6.59	0.0003	13

Comment: S-47 ENDWALL

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PREVIOUSLY EX3S32

Node: EX3S01

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.58 ft
Warning Stage: 32.59 ft

Stage [ft]	Area [ac]	Area [ft2]
25.58	0.0003	13
32.59	0.0003	13
32.60	0.0030	131

Comment: S-25

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S03

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.20 ft
Warning Stage: 15.34 ft

Stage [ft]	Area [ac]	Area [ft2]
10.20	0.0003	13
15.34	0.0003	13
15.35	0.0030	131

Comment: S-26

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S05

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.25 ft
Warning Stage: 6.25 ft

Stage [ft]	Area [ac]	Area [ft2]
3.25	0.0003	13
6.25	0.0003	13

Comment: upstream node for Ex 36" (upstream of S-27)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S08

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.91 ft
Warning Stage: 7.45 ft

Stage [ft]	Area [ac]	Area [ft2]
4.91	0.0003	13
7.45	0.0003	13
7.46	0.0030	131

Comment: S-28A

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S13

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.55 ft
Warning Stage: 9.07 ft

Stage [ft]	Area [ac]	Area [ft2]
5.55	0.0003	13
9.07	0.0003	13
9.08	0.0030	131

Comment: S-29

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S14

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.67 ft
Warning Stage: 18.44 ft

Stage [ft]	Area [ac]	Area [ft2]
6.67	0.0003	13
18.44	0.0003	13
18.45	0.0030	131

Comment: S-34

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S15

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.14 ft
Warning Stage: 9.39 ft

Stage [ft]	Area [ac]	Area [ft2]
4.14	0.0003	13
9.39	0.0003	13
9.40	0.0030	131

Comment: S-39

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S16

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.53 ft
Warning Stage: 6.66 ft

Stage [ft]	Area [ac]	Area [ft2]
4.53	0.0003	13
6.66	0.0003	13
6.67	0.0030	131

Comment: S-41

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S18

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.75 ft
Warning Stage: 10.97 ft

Stage [ft]	Area [ac]	Area [ft2]
5.75	0.0003	13
10.97	0.0003	13
10.98	0.0030	131

Comment: S-30

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S19

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.45 ft
Warning Stage: 15.47 ft

Stage [ft]	Area [ac]	Area [ft2]
10.45	0.0003	13
15.47	0.0003	13
15.48	0.0030	131

Comment: S-31

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S20

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.45 ft
Warning Stage: 16.69 ft

Stage [ft]	Area [ac]	Area [ft2]
3.45	0.0003	13
16.69	0.0003	13
16.70	0.0030	131

Comment: S-35

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S21

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.45 ft
Warning Stage: 12.13 ft

Stage [ft]	Area [ac]	Area [ft2]
8.45	0.0003	13
12.13	0.0003	13
12.14	0.0030	131

Comment: S-38

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S22

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.45 ft
Warning Stage: 22.13 ft

Stage [ft]	Area [ac]	Area [ft2]
16.45	0.0003	13
22.13	0.0003	13
22.14	0.0030	131

Comment: S-37

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S23

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 6.64 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.05	0.0003	13
6.64	0.0003	13
6.65	0.0030	131

Comment: S-42

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S24

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 6.66 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.05	0.0003	13
6.66	0.0003	13
6.67	0.0030	131

Comment: S-44

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S25

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.29 ft
Warning Stage: 8.25 ft

Stage [ft]	Area [ac]	Area [ft2]
4.29	0.0003	13
8.25	0.0003	13
8.26	0.0030	131

Comment: S-46

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S26

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.45 ft
Warning Stage: 22.75 ft

Stage [ft]	Area [ac]	Area [ft2]
13.45	0.0003	13
22.75	0.0003	13
22.76	0.0030	131

Comment: S-32

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S27

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 33.45 ft
Warning Stage: 38.30 ft

Stage [ft]	Area [ac]	Area [ft2]
33.45	0.0003	13
38.30	0.0003	13
38.31	0.0030	131

Comment: S-18

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S28

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 21.50 ft
Warning Stage: 26.50 ft

Stage [ft]	Area [ac]	Area [ft2]
21.50	0.0003	13
26.50	0.0003	13
26.51	0.0030	131

Comment: Not labeled in plan set (State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S29

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.61 ft
Warning Stage: 10.76 ft

Stage [ft]	Area [ac]	Area [ft2]
5.61	0.0003	13
10.76	0.0003	13
10.77	0.0030	131

Comment: S-22

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S30

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.20 ft
Warning Stage: 20.28 ft

Stage [ft]	Area [ac]	Area [ft2]
16.20	0.0003	13
20.28	0.0003	13
20.29	0.0030	131

Comment: S-21

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S34

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 19.00 ft
Warning Stage: 23.94 ft

Stage [ft]	Area [ac]	Area [ft2]
16.95	0.0003	13
23.94	0.0003	13
23.95	0.0030	131

Comment: S-23

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S36

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 19.75 ft
Warning Stage: 26.70 ft

Stage [ft]	Area [ac]	Area [ft2]
19.75	0.0003	13
26.70	0.0003	13
26.71	0.0030	131

Comment: S-53A

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S37

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.69 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.05	0.0003	13
7.69	0.0003	13
7.70	0.0030	131

Comment: S-50

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S38

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.00 ft
Warning Stage: 7.90 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.0003	13
7.90	0.0003	13
7.91	0.0030	131

Comment: S-48C

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S39

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.00 ft
Warning Stage: 8.50 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.0003	13
8.50	0.0003	13
8.51	0.0030	131

Comment: Structure on south side of Kendall Drive, west of Dadeland Blvd

Node: EX3S40

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.00 ft
Warning Stage: 8.50 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
8.50	0.0003	13
8.51	0.0030	131

Comment: Structure on north side of Kendall Drive, west of Dadeland Blvd

Node: EX3S41

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.12 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.05	0.0003	13
7.12	0.0003	13
7.13	0.0030	131

Comment: S-45

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S42

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.45 ft
Warning Stage: 7.95 ft

Stage [ft]	Area [ac]	Area [ft2]
2.45	0.0003	13
7.95	0.0003	13
7.96	0.0030	131

Comment: S-45A

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S44

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 2.75 ft
Warning Stage: 9.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.75	0.0003	13
9.00	0.0003	13
9.01	0.0030	131

Comment: S-48B

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S45

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.65 ft
Warning Stage: 7.17 ft

Stage [ft]	Area [ac]	Area [ft2]
2.65	0.0003	13
7.17	0.0003	13
7.18	0.0030	131

Comment: S-48H

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S46

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.85 ft
Warning Stage: 8.01 ft

Stage [ft]	Area [ac]	Area [ft2]
3.85	0.0003	13
8.01	0.0003	13
8.02	0.0030	131

Comment: S-48E

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S47

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.95 ft
Warning Stage: 6.91 ft

Stage [ft]	Area [ac]	Area [ft2]
2.95	0.0003	13
6.91	0.0003	13
6.92	0.0030	131

Comment: S-48G

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S48

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 18.95 ft
Warning Stage: 24.29 ft

Stage [ft]	Area [ac]	Area [ft2]
18.95	0.0003	13
24.29	0.0003	13
24.30	0.0030	131

Comment: S-53

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S49

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.45 ft
Warning Stage: 23.99 ft

Stage [ft]	Area [ac]	Area [ft2]
2.45	0.0003	13
23.99	0.0003	13
24.00	0.0030	131

Comment: S-52

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S50

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.20 ft
Warning Stage: 11.17 ft

Stage [ft]	Area [ac]	Area [ft2]
6.20	0.0003	13
11.17	0.0003	13
11.18	0.0030	131

Comment: S-51

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S51

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.95 ft
Warning Stage: 22.52 ft

Stage [ft]	Area [ac]	Area [ft2]
2.95	0.0003	13
22.52	0.0003	13
22.53	0.0030	131

Comment: S-51B

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S52

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.65 ft
Warning Stage: 16.29 ft

Stage [ft]	Area [ac]	Area [ft2]
2.65	0.0003	13
16.29	0.0003	13
16.30	0.0030	131

Comment: S-56

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S53

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.72 ft
Warning Stage: 11.17 ft

Stage [ft]	Area [ac]	Area [ft2]
3.72	0.0003	13
11.17	0.0003	13
11.18	0.0030	131

Comment: S-58

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S54

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.65 ft
Warning Stage: 18.99 ft

Stage [ft]	Area [ac]	Area [ft2]
2.65	0.0003	13
18.99	0.0003	13
19.00	0.0030	131

Comment: S-57

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S55

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 6.60 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
6.60	0.0003	13
6.61	0.0030	131

Comment: S-49

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S56

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.35 ft
Warning Stage: 16.14 ft

Stage [ft]	Area [ac]	Area [ft2]
3.35	0.0003	13
16.14	0.0003	13
16.15	0.0030	131

Comment: S-54

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S57

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.37 ft
Warning Stage: 22.64 ft

Stage [ft]	Area [ac]	Area [ft2]
12.37	0.0003	13
22.64	0.0003	13
22.65	0.0030	131

Comment: S-55

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S58

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.28 ft
Warning Stage: 5.52 ft

Stage [ft]	Area [ac]	Area [ft2]
2.28	0.0003	13
5.52	0.0003	13
5.53	0.0030	131

Comment: S-66A

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S59

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.56 ft
Warning Stage: 5.45 ft

Stage [ft]	Area [ac]	Area [ft2]
1.56	0.0003	13
5.45	0.0003	13
5.46	0.0030	131

Comment: S-63

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S60

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 13.19 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
13.19	0.0003	13
13.20	0.0030	131

Comment: S-64

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S61

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.43 ft
Warning Stage: 15.60 ft

Stage [ft]	Area [ac]	Area [ft2]
9.43	0.0003	13
15.60	0.0003	13
15.61	0.0030	131

Comment: S-65

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S63

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 11.60 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
11.60	0.0003	13
11.61	0.0030	131

Comment: S-61

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S64

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.45 ft
Warning Stage: 11.45 ft

Stage [ft]	Area [ac]	Area [ft2]
6.45	0.0003	13
11.45	0.0003	13
11.46	0.0030	131

Comment: S-62

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EXCS3S62+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 5.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
5.95	0.0003	13
5.96	0.0030	131

Comment: S-60

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EXCS3S62+B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 5.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
5.95	0.0003	13
5.96	0.0030	131

Comment: S-60 - D/S of weir

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: O301

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 3.45 ft
Boundary Stage: SNAPPER CREEK

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	96.0000	1.45

Comment: Snapper Creek canal normal highwater = 1.45'

Node: O302

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 3.45 ft
Boundary Stage: SNAPPER CREEK

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	96.0000	1.45

Comment: Snapper Creek canal normal highwater = 1.45'

Node: POND301

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.45 ft
Warning Stage: 8.45 ft

Stage [ft]	Area [ac]	Area [ft2]
5.45	0.3700	16117
6.45	0.4300	18731
6.75	0.4500	19602
7.45	0.4900	21344

Stage [ft]	Area [ac]	Area [ft2]
8.45	0.5500	23958

Comment: Permit No. 13-00791-S
Pond 4A Stage-Area

Node: POND301EX

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.37	0.0006	26
0.87	0.4046	17624
1.37	0.4557	19850
1.87	0.4861	21175
2.38	0.5086	22155
2.88	0.5232	22791
3.37	0.5389	23474
3.88	0.5722	24925
4.37	0.5997	26123
4.87	0.6411	27926
5.37	0.6772	29499
5.87	0.7226	31476
6.37	0.7604	33123
6.88	0.8154	35519
7.38	0.8670	37767
7.88	0.9192	40040
8.37	0.9596	41800
8.88	0.9700	42253
9.38	0.9700	42253

Comment: Estimated stage/area table from DEM.

Node: POND302

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.45 ft
Warning Stage: 6.83 ft

Stage [ft]	Area [ac]	Area [ft2]
5.45	0.5700	24829

Stage [ft]	Area [ac]	Area [ft2]
6.45	0.6700	29185
7.45	0.7600	33106
8.45	0.8600	37462

Comment: Permit No. 13-00791-S
Pond 4B Stage-Area

Node: POND303

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.95 ft
Warning Stage: 7.45 ft

Stage [ft]	Area [ac]	Area [ft2]
2.95	1.5100	65776
3.45	1.5500	67518
3.95	1.5900	69260
4.45	1.6300	71003
5.45	1.7200	74923
6.45	1.8100	78844
6.95	1.8700	81457
7.45	1.9100	83200

Comment: Permit No. 13-00791-S
Pond 5 Stage-Area

Node: POND304

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.45 ft
Warning Stage: 6.45 ft

Stage [ft]	Area [ac]	Area [ft2]
2.45	0.3000	13068
2.95	0.3300	14375
3.45	0.3600	15682
3.95	0.3800	16553
4.45	0.3900	16988
5.45	0.4500	19602
6.45	0.5100	22216

Comment: Permit No. 13-00791-S

Pond 6 Stage-Area

Node: POND305A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.45 ft
Warning Stage: 6.45 ft

Stage [ft]	Area [ac]	Area [ft2]
2.45	0.0400	1742
3.45	0.0500	2178
3.95	0.0500	2178
4.45	0.0500	2178
5.45	0.0600	2614
6.45	0.0600	2614

Comment: Permit No. 13-00791-S
Pond 7 Stage-Area - divided by 5 connected ponds

Node: POND305B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.45 ft
Warning Stage: 6.45 ft

Stage [ft]	Area [ac]	Area [ft2]
2.45	0.5600	24394
3.45	0.6300	27443
3.95	0.6700	29185
4.45	0.7000	30492
5.45	0.7800	33977
6.45	0.8600	37462

Comment: Permit No. 13-00791-S
Pond 7 Stage-Area - divided by 5 connected ponds

Node: POND305C

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 2.45 ft
Warning Stage: 6.45 ft

Stage [ft]	Area [ac]	Area [ft2]
2.45	0.0400	1742
3.45	0.0400	1742
3.95	0.0500	2178
4.45	0.0500	2178
5.45	0.0500	2178
6.45	0.0600	2614

Comment: Permit No. 13-00791-S
Pond 7 Stage-Area - divided by 5 connected ponds

Node: POND305D

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.45 ft
Warning Stage: 6.45 ft

Stage [ft]	Area [ac]	Area [ft2]
2.45	0.0700	3049
3.45	0.0800	3485
3.95	0.0800	3485
4.45	0.0800	3485
5.45	0.0900	3920
6.45	0.1000	4356

Comment: Permit No. 13-00791-S
Pond 7 Stage-Area - divided by 5 connected ponds

Node: POND305E

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.45 ft
Warning Stage: 6.45 ft

Stage [ft]	Area [ac]	Area [ft2]
2.45	0.2200	9583
3.45	0.2500	10890
3.95	0.2700	11761
4.45	0.2800	12197
5.45	0.3100	13504

Stage [ft]	Area [ac]	Area [ft2]
6.45	0.3400	14810

Comment: Permit No. 13-00791-S
Pond 7 Stage-Area - divided by 5 connected ponds

Node: PONDCS304

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 5.20 ft

Stage [ft]	Area [ac]	Area [ft2]
0.45	0.0003	13
5.20	0.0003	13
5.21	0.0030	131

Comment: S-66

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PONDCS305E

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 3.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.05	0.0003	13
3.95	0.0003	13

Comment: S-59 Pond Control Structure - Inlet Type H

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: SWALE301

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 2.95 ft
Warning Stage: 8.45 ft

Stage [ft]	Area [ac]	Area [ft2]
2.95	0.2200	9583
3.45	0.2800	12197
4.45	0.4500	19602
5.45	0.5600	24394
6.45	0.6800	29621
7.45	0.8300	36155
8.45	0.9400	40946

Comment: Permit No. 13-00791-S
Pond 3 Stage-Area

Node: SWALECS301

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.20 ft

Stage [ft]	Area [ac]	Area [ft2]
0.95	0.0003	13
7.20	0.0003	13
7.21	0.0030	131

Comment: S-24

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: CH3_1+D_S08		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.99 ft	Invert:	4.91 ft
From Node:	CH3_1+D	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S08	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	92.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 30" x 19" Pipe D/S of S-28
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Channel Link: CH3_1+SEC1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.65 ft	Invert:	5.45 ft
From Node:	CH3_1+A	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH3_1+B	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	3.00 ft	Bottom Width:	3.00 ft
Length:	400.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 3' Bottom Width Ditch @ -0.05%

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PREVIOUSLY EX3CH01

Channel Link: CH3_1+SEC2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.45 ft	Invert:	5.05 ft
From Node:	CH3_1+B	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH3_1+C	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	800.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft

		Op Table:	
		Ref Node:	
		Manning's N:	0.0000

Comment: 5' Bottom Width Ditch @ -0.05%

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PREVIOUSLY EX3CH02

Channel Link: CH3_1+SEC3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.05 ft	Invert:	4.95 ft
From Node:	CH3_1+C	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH3_1+D	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	4.00 ft	Bottom Width:	4.00 ft
Length:	200.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 4' Bottom Width Ditch @ -0.05%
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PREVIOUSLY EX3CH03

Pipe Link: CH3_2+D_S15		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.45 ft	Invert:	4.14 ft
From Node:	CH3_2+D	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S15	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	52.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" Pipe D/S of S-40
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Channel Link: CH3_2+SEC1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.75 ft	Invert:	4.65 ft
From Node:	CH3_2+A	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH3_2+B	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	3.00 ft	Bottom Width:	3.00 ft
Length:	200.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 3' Bottom Width Ditch @ -0.05%

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PREVIOUSLY EX3CH04

Channel Link: CH3_2+SEC2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.65 ft	Invert:	4.25 ft
From Node:	CH3_2+B	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH3_2+C	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	3.00 ft	Bottom Width:	3.00 ft
Length:	800.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	

Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 3' Bottom Width Ditch @ -0.05%
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PREVIOUSLY EX3CH05

Channel Link: CH3_2+SEC3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.25 ft	Invert:	4.25 ft
From Node:	CH3_2+C	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH3_2+D	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	3.00 ft	Bottom Width:	3.00 ft
Length:	180.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 3' bottom width ditch at +0.05%
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PREVIOUSLY EX3CH06

Channel Link: CH3_2+SEC4		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.32 ft	Invert:	4.25 ft
From Node:	CH3_2+E	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH3_2+D	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	0.00 ft	Bottom Width:	0.00 ft
Length:	130.00 ft	Left Slope:	6.000 (h:v)	Left Slope:	6.000 (h:v)
Contraction Coef:	0.00	Right Slope:	6.000 (h:v)	Right Slope:	6.000 (h:v)

Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: V ditch at +0.05%
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PREVIOUSLY EX3CH07

Pipe Link: CH3_3+D_S42		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.09 ft	Invert:	2.45 ft
From Node:	CH3_3+D	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S42	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	144.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Dual 30" Pipe U/S of S-45A
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Channel Link: CH3_3+SEC1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.09 ft	Invert:	6.95 ft
From Node:	CH3_3+A	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH3_3+B	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	0.00 ft	Bottom Width:	0.00 ft
Length:	280.00 ft	Left Slope:	6.000 (h:v)	Left Slope:	6.000 (h:v)
Contraction Coef:	0.00	Right Slope:	6.000 (h:v)	Right Slope:	6.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	

Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: V ditch at -2.5%
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PREVIOUSLY EX3CH08

Channel Link: CH3_3+SEC2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.95 ft	Invert:	4.15 ft
From Node:	CH3_3+B	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH3_3+C	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	2.00 ft	Bottom Width:	2.00 ft
Length:	280.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 2' BW Ditch @-1.0%

PREVIOUSLY EX3CH09

Channel Link: CH3_3+SEC3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.15 ft	Invert:	4.05 ft
From Node:	CH3_3+C	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH3_3+D	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	4.00 ft	Bottom Width:	4.00 ft
Length:	200.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			

Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 4' BW Ditch @-0.05%

PREVIOUSLY EX3CH10

Weir Link: CS3POND304_WEIR

Scenario:	Scenario1	Bottom Clip	
From Node:	POND304	Default:	0.00 ft
To Node:	PONDCS304	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.20 ft	Discharge Coefficients	
Control Elevation:	5.20 ft	Weir Default:	3.200
Max Depth:	3.00 ft	Weir Table:	
Max Width:	6.50 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment: Type H Grate Horizontal Weir

Weir Link: CS3S62_WEIR1

Scenario:	Scenario1	Bottom Clip	
From Node:	EXCS3S62+A	Default:	0.00 ft
To Node:	EXCS3S62+B	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	1.95 ft	Discharge Coefficients	
Control Elevation:	1.95 ft	Weir Default:	3.200
Max Depth:	3.50 ft	Weir Table:	
Max Width:	8.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment: Weir in S-60
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Weir Link: CS3S62_WEIR2			
Scenario:	Scenario1	Bottom Clip	
From Node:	EXCS3S62+A	Default:	0.00 ft
To Node:	EXCS3S62+B	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Circular	Ref Node:	
Invert:	0.95 ft	Discharge Coefficients	
Control Elevation:	0.95 ft	Weir Default:	3.200
Max Depth:	0.33 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment: 4" Bleeder

Weir Link: CSPOND305E_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	POND305E	Default:	0.00 ft
To Node:	PONDCS305E	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.95 ft	Discharge Coefficients	
Control Elevation:	3.95 ft	Weir Default:	3.200
Max Depth:	6.00 ft	Weir Table:	
Max Width:	6.50 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment: Type H Grate Horizontal Weir

Weir Link: CSSWALE301_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	SWALE301	Default:	0.00 ft
To Node:	SWALECS301	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	7.20 ft	Discharge Coefficients	
Control Elevation:	7.20 ft	Weir Default:	3.200
Max Depth:	3.00 ft	Weir Table:	
Max Width:	6.50 ft	Orifice Default:	0.600

Fillet: 0.00 ft

Orifice Table:

Comment: Type H Grate Horizontal Weir

Pipe Link: EX3P01_CH3_2+B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.75 ft	Invert:	6.45 ft
From Node:	POND301	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH3_2+B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	57.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pond Overflow Pipe
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3P02_S20		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.70 ft	Invert:	5.55 ft
From Node:	POND302	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S20	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	52.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Pond Overflow Pipe

Pipe Link: EX3P03_S25		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.38 ft	Invert:	4.29 ft
From Node:	POND303	Manning's N:	0.0120	Manning's N:	0.0120

		Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
To Node:	EX3S25	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	86.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment: 38" x 24" Pipe D/S of Pond5
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3P05A_P05B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.45 ft	Invert:	2.45 ft
From Node:	POND305A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND305B	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	2.83 ft	Max Depth:	2.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	39.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 53" x 34" Pipe between Pond 7A and Pond 7B
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3P05B_P05C		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.45 ft	Invert:	2.45 ft
From Node:	POND305B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND305C	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	2	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	105.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: dual 45" x 29" pipes between Pond 7B and 7C
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3P05C_P05E		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.45 ft	Invert:	2.45 ft
From Node:	POND305C	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND305E	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	2	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	68.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: dual 45" x 29" pipes between Pond 7C and 7E
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3P05D_P05C		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.45 ft	Invert:	2.45 ft
From Node:	POND305D	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND305C	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	58.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 30 x 19" pipes between Pond 7D and 7C
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3P05E_O02		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-4.05 ft	Invert:	-4.55 ft
From Node:	PONDCS305E	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	O302	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	37.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 42" Pipe D/S of Pond 7E
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S01_CH3_1+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	25.95 ft	Invert:	6.45 ft
From Node:	EX3S01	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH3_1+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	57.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-25
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S03_CH3_1+B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	11.95 ft	Invert:	5.95 ft
From Node:	EX3S03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH3_1+B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-26
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S05_CH3_1+C		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.25 ft	Invert:	3.25 ft
From Node:	EX3S05	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH3_1+C	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	80.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 36" Pipe U/S of S-27
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S08_CH3_2+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.91 ft	Invert:	4.75 ft
From Node:	EX3S08	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH3_2+A	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	82.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 30" x 19" Pipe D/S of S-28A
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S13_CH3_2+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.55 ft	Invert:	5.45 ft
From Node:	EX3S13	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH3_2+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	13.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-29
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S14_CH3_2+C		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.67 ft	Invert:	5.45 ft
From Node:	EX3S14	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH3_2+C	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	52.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-11 and S-14
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S15_P03		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.14 ft	Invert:	3.70 ft
From Node:	EX3S15	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND303	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	68.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" Pipe D/S of S-39
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S16_CH3_2+E		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.53 ft	Invert:	4.45 ft
From Node:	EX3S16	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH3_2+E	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	23.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 12" Pipe D/S of S-41
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S18_S13		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.75 ft	Invert:	5.55 ft
From Node:	EX3S18	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S13	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	26.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-30 and S-29
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S19_P01		Upstream		Downstream	
Scenario:	Scenario1	Invert:	10.45 ft	Invert:	6.45 ft
From Node:	EX3S19	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND301	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	23.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-31
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S20_S14		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.83 ft	Invert:	6.67 ft
From Node:	EX3S20	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S14	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-14 and S-20
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S21_P03		Upstream		Downstream	
Scenario:	Scenario1	Invert:	8.45 ft	Invert:	3.95 ft
From Node:	EX3S21	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND303	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	18.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-38
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S22_P03		Upstream		Downstream	
Scenario:	Scenario1	Invert:	16.45 ft	Invert:	3.95 ft
From Node:	EX3S22	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND303	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	39.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-37
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S23_P03		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.82 ft	Invert:	3.70 ft
From Node:	EX3S23	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND303	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	17.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-42
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S24_S25		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.35 ft	Invert:	4.29 ft
From Node:	EX3S24	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S25	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	12.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 18" x 12" Pipe between S-44 and S-46
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S25_CH3_3+D		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.29 ft	Invert:	4.09 ft
From Node:	EX3S25	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH3_3+D	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	198.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 38" x 24" Pipe between S-46 and S-47
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S26_P02		Upstream		Downstream	
Scenario:	Scenario1	Invert:	13.45 ft	Invert:	6.45 ft
From Node:	EX3S26	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND302	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	34.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-32
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S27_SW01		Upstream		Downstream	
Scenario:	Scenario1	Invert:	33.45 ft	Invert:	7.45 ft
From Node:	EX3S27	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE301	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	70.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-18
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S28_SW01		Upstream		Downstream	
Scenario:	Scenario1	Invert:	21.50 ft	Invert:	6.00 ft
From Node:	EX3S28	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE301	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Pipe information estimated.

Pipe Link: EX3S29_SW01		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.61 ft	Invert:	5.45 ft
From Node:	EX3S29	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE301	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-22
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S30_CH3_3+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	16.20 ft	Invert:	15.45 ft
From Node:	EX3S30	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH3_3+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-21
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S34_CH3_3+B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	16.95 ft	Invert:	7.95 ft
From Node:	EX3S34	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH3_3+B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	34.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-23
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S36_S49		Upstream		Downstream	
Scenario:	Scenario1	Invert:	19.75 ft	Invert:	18.45 ft
From Node:	EX3S36	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S49	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	167.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-53A and S-52
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S37_SW01		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.65 ft	Invert:	3.95 ft
From Node:	EX3S37	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE301	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	67.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-50
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S38_S44		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.00 ft	Invert:	3.85 ft
From Node:	EX3S38	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S44	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	145.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 18" Pipe U/S of S-48B
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S39_S40		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.20 ft	Invert:	4.15 ft
From Node:	EX3S39	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S40	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Pipe information estimated.

Pipe Link: EX3S40_S46		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.15 ft	Invert:	4.00 ft
From Node:	EX3S40	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S46	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.25 ft	Max Depth:	2.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	605.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Pipe information estimated

Pipe Link: EX3S41_S42		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.45 ft	Invert:	3.85 ft
From Node:	EX3S41	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S42	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	166.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-45 and S-45A
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S42_P05B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.45 ft	Invert:	2.45 ft
From Node:	EX3S42	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND305B	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	52.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: dual 30" Pipes between S-45A and Pond 7B
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S44_P05A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.75 ft	Invert:	2.45 ft
From Node:	EX3S44	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND305A	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	2.83 ft	Max Depth:	2.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	94.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 53" x 34" Pipe between S-48B and Pond 7A
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S45_P05A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.65 ft	Invert:	2.45 ft
From Node:	EX3S45	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND305A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	41.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-48H
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S46_S44		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.15 ft	Invert:	3.85 ft
From Node:	EX3S46	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S44	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.25 ft	Max Depth:	2.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	110.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 27" Pipe U/S of S-48B
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S47_S45		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.95 ft	Invert:	2.65 ft
From Node:	EX3S47	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S45	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	54.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe betwee S-48G and S-48H
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S48_S49		Upstream		Downstream	
Scenario:	Scenario1	Invert:	18.95 ft	Invert:	18.45 ft
From Node:	EX3S48	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S49	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	24.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-53 and S-52
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S49_P05B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.45 ft	Invert:	2.45 ft
From Node:	EX3S49	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND305B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	3.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-52
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S50_P05C		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.20 ft	Invert:	6.20 ft
From Node:	EX3S50	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND305C	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	3.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-51
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S51_P05C		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.95 ft	Invert:	2.95 ft
From Node:	EX3S51	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND305C	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	7.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-51B
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S52_P05D		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.65 ft	Invert:	2.45 ft
From Node:	EX3S52	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND305D	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	3.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-56
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S53_S54		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.72 ft	Invert:	2.65 ft
From Node:	EX3S53	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S54	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	37.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between of S-58 and S-57
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S54_P05E		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.65 ft	Invert:	2.45 ft
From Node:	EX3S54	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND305E	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	9.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-57
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S55_P04		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.00 ft	Invert:	2.95 ft
From Node:	EX3S55	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND304	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	6.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-49
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S56_P04		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.35 ft	Invert:	2.95 ft
From Node:	EX3S56	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND304	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-54
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S57_S56		Upstream		Downstream	
Scenario:	Scenario1	Invert:	12.37 ft	Invert:	12.20 ft
From Node:	EX3S57	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S56	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-55 and S-54
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S58_S59		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.28 ft	Invert:	2.06 ft
From Node:	EX3S58	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S59	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	136.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 18" Pipe D/S of S-66A
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S59_S62+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.06 ft	Invert:	0.95 ft
From Node:	EX3S59	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EXCS3S62+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	316.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" Pipe D/S of S-63
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S60_S59		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.37 ft	Invert:	2.31 ft
From Node:	EX3S60	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S59	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	7.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-64 and S-63
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S61_S60		Upstream		Downstream	
Scenario:	Scenario1	Invert:	9.43 ft	Invert:	9.20 ft
From Node:	EX3S61	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S60	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	43.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-65 and S-64
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S62+B_O01		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.55 ft	Invert:	-3.05 ft
From Node:	EXCS3S62+B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	O301	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	68.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" Pipe D/S S-60 - Control Structure
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S63_S62+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.75 ft	Invert:	1.70 ft
From Node:	EX3S63	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EXCS3S62+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	6.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-61 and S-60
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S64_S63		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.45 ft	Invert:	6.25 ft
From Node:	EX3S64	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S63	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	43.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-62 and S-61
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3SWALECS301_3+C		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.16 ft	Invert:	4.03 ft
From Node:	SWALECS301	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH3_3+C	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	75.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 30" Pipe D/S of Swale3-01
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PONDCS304_S58		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.55 ft	Invert:	2.28 ft
From Node:	PONDCS304	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S58	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	125.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 18" Pipe D/S of S-66
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Simulation: 100YR-1HR

Scenario: Scenario1
Run Date/Time: 8/14/2019 11:54:33 AM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:		Boundary Stage Set:	
Reference ET Folder:		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	
		Roughness Set:	
		Crop Coef Set:	
		Fillable Porosity Set:	
		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	5.10 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100YR-24HR

Scenario:	Scenario1
Run Date/Time:	8/14/2019 11:54:40 AM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 100YR-24HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global

Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SCSIII-24
		Rainfall Amount:	13.44 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100YR-8HR

Scenario: Scenario1
Run Date/Time: 8/14/2019 11:54:55 AM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:	
Reference ET Folder:	
Unit Hydrograph Folder:	

Lookup Tables

Boundary Stage Set:	100YR-8HR
Extern Hydrograph Set:	
Curve Number Set:	
Green-Ampt Set:	
Vertical Layers Set:	
Impervious Set:	
Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	9.60 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-1HR

Scenario:	Scenario1
Run Date/Time:	8/14/2019 11:55:08 AM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000

End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain	Global

		Opt:	
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.55 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-24HR

Scenario: Scenario1
Run Date/Time: 8/14/2019 11:55:16 AM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 10YR-24HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SCSIII-24
		Rainfall Amount:	8.88 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-8HR

Scenario: Scenario1
Run Date/Time: 8/14/2019 11:55:31 AM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 10YR-8HR
Extern Hydrograph Set:
Curve Number Set:

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight 0.5 dec

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False

Fact:			
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	6.80 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25YR-72HR

Scenario: Scenario1
Run Date/Time: 8/14/2019 11:55:41 AM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 25YR-72HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~SFWMD-72
Rainfall Amount: 13.00 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
CH3_1+A	100YR-1HR	7.65	6.91	0.0006	2.35	2.05	2209
CH3_1+B	100YR-1HR	7.45	6.91	0.0006	5.94	2.89	8052
CH3_1+C	100YR-1HR	7.05	6.90	0.0088	9.26	10.49	7733
CH3_1+D	100YR-1HR	7.05	6.89	0.0007	8.87	7.82	1565
CH3_2+A	100YR-1HR	6.75	6.46	0.0005	11.26	10.93	1351
CH3_2+B	100YR-1HR	7.70	6.37	0.0005	11.45	10.19	6711
CH3_2+C	100YR-1HR	6.29	6.03	0.0005	11.35	10.58	6700
CH3_2+D	100YR-1HR	6.25	5.94	0.0005	11.54	11.82	2564
CH3_2+E	100YR-1HR	6.27	5.94	0.0005	2.63	2.38	1293
CH3_3+A	100YR-1HR	17.00	8.03	0.0004	3.06	3.00	1495
CH3_3+B	100YR-1HR	8.95	7.64	0.0022	7.04	6.62	2230
CH3_3+C	100YR-1HR	6.53	5.21	0.0005	6.62	6.67	2200
CH3_3+D	100YR-1HR	6.59	4.93	0.0004	10.45	12.79	1620
EX3S01	100YR-1HR	32.59	26.68	0.0003	2.35	2.35	113
EX3S03	100YR-1HR	15.34	12.80	0.0009	3.06	3.06	113
EX3S05	100YR-1HR	6.25	6.90	0.0081	10.49	3.67	133
EX3S08	100YR-1HR	7.45	6.75	0.0007	8.76	8.75	238
EX3S13	100YR-1HR	9.07	6.92	0.0010	3.91	3.91	113
EX3S14	100YR-1HR	18.44	7.11	0.0001	0.94	0.94	113
EX3S15	100YR-1HR	9.39	5.63	0.0010	12.17	11.82	133
EX3S16	100YR-1HR	6.66	5.95	0.0005	2.65	2.63	113
EX3S18	100YR-1HR	10.97	6.94	0.0006	1.41	1.41	113
EX3S19	100YR-1HR	15.47	11.10	0.0003	1.88	1.88	113
EX3S20	100YR-1HR	16.69	7.10	0.0010	4.33	4.33	113
EX3S21	100YR-1HR	12.13	9.10	0.0003	1.88	1.88	113
EX3S22	100YR-1HR	22.13	17.08	0.0003	1.80	1.80	113
EX3S23	100YR-1HR	6.64	4.53	0.0010	2.27	2.27	113
EX3S24	100YR-1HR	6.66	5.09	0.0010	2.90	2.90	113
EX3S25	100YR-1HR	8.25	4.94	0.0004	2.90	3.20	560
EX3S26	100YR-1HR	22.75	14.44	0.0005	4.08	4.08	113
EX3S27	100YR-1HR	38.30	33.96	0.0001	1.18	1.18	113
EX3S28	100YR-1HR	26.50	22.52	0.0005	4.16	4.15	113
EX3S29	100YR-1HR	10.76	6.75	0.0004	5.18	5.18	113
EX3S30	100YR-1HR	20.28	17.05	0.0003	3.06	3.06	113
EX3S34	100YR-1HR	23.94	19.00	0.0062	3.69	7.04	113
EX3S36	100YR-1HR	26.70	20.73	0.0005	4.00	4.00	117
EX3S37	100YR-1HR	7.69	6.61	0.0014	6.82	6.81	113
EX3S38	100YR-1HR	7.90	5.50	0.0004	3.14	3.06	225
EX3S39	100YR-1HR	8.50	12.94	0.0010	11.14	11.00	131
EX3S40	100YR-1HR	8.50	11.21	0.0010	26.34	26.26	806
EX3S41	100YR-1HR	7.12	5.24	0.0010	2.56	2.55	220
EX3S42	100YR-1HR	7.95	4.88	0.0010	17.57	15.78	602
EX3S44	100YR-1HR	9.00	5.37	0.0010	30.85	30.81	443
EX3S45	100YR-1HR	7.17	5.53	0.0010	4.61	4.62	113
EX3S46	100YR-1HR	8.01	7.10	0.0007	27.11	27.11	925
EX3S47	100YR-1HR	6.91	5.62	0.0009	2.22	2.22	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX3S48	100YR-1HR	24.29	19.89	0.0003	3.69	3.69	113
EX3S49	100YR-1HR	23.99	5.57	0.0006	9.22	9.16	132
EX3S50	100YR-1HR	11.17	7.14	0.0002	1.88	1.88	113
EX3S51	100YR-1HR	22.52	4.80	0.0005	3.29	3.37	113
EX3S52	100YR-1HR	16.29	4.85	0.0010	4.31	5.44	113
EX3S53	100YR-1HR	11.17	4.91	0.0011	4.31	4.47	113
EX3S54	100YR-1HR	18.99	4.78	0.0017	5.18	5.44	113
EX3S55	100YR-1HR	6.60	4.54	0.0017	4.63	4.62	113
EX3S56	100YR-1HR	16.14	6.06	0.0012	8.54	9.28	113
EX3S57	100YR-1HR	22.64	13.60	0.0004	4.94	4.94	113
EX3S58	100YR-1HR	5.52	3.04	0.0002	0.53	0.48	280
EX3S59	100YR-1HR	5.45	3.04	0.0008	5.80	5.77	430
EX3S60	100YR-1HR	13.19	3.71	0.0008	5.80	5.80	113
EX3S61	100YR-1HR	15.60	10.21	0.0003	2.67	2.67	113
EX3S63	100YR-1HR	11.60	3.05	0.0007	5.49	5.49	113
EX3S64	100YR-1HR	11.45	7.27	0.0004	2.75	2.74	113
EXCS3S62+A	100YR-1HR	5.95	2.61	0.0010	13.47	13.46	327
EXCS3S62+B	100YR-1HR	5.95	2.08	0.0010	13.46	13.46	113
O301	100YR-1HR	3.45	1.45	0.0000	13.46	0.00	0
O302	100YR-1HR	3.45	1.45	0.0000	44.43	0.16	0
POND301	100YR-1HR	8.45	6.01	0.0001	4.46	0.00	17583
POND301EX	100YR-1HR	7.00	2.33	0.0002	9.50	0.00	22069
POND302	100YR-1HR	6.83	6.31	0.0002	10.58	0.00	28625
POND303	100YR-1HR	7.45	4.36	0.0003	21.29	0.01	70766
POND304	100YR-1HR	6.45	4.45	0.0004	14.81	0.00	16998
POND305A	100YR-1HR	6.45	5.23	0.0005	36.67	37.83	2638
POND305B	100YR-1HR	6.45	4.86	0.0008	65.18	34.95	31997
POND305C	100YR-1HR	6.45	4.75	0.0009	41.64	41.51	2826
POND305D	100YR-1HR	6.45	4.77	0.0008	6.65	2.49	3624
POND305E	100YR-1HR	6.45	4.63	0.0010	44.95	44.43	12574
PONDCS304	100YR-1HR	5.20	3.04	0.0006	0.48	0.04	113
PONDCS305E	100YR-1HR	3.95	2.01	0.0012	44.43	44.43	113
SWALE301	100YR-1HR	8.45	5.56	0.0005	20.82	0.00	24967
SWALECS301	100YR-1HR	7.20	5.21	0.0011	1.24	0.04	113
CH3_1+A	100YR-24HR	7.65	8.08	0.0010	2.77	1.01	3598
CH3_1+B	100YR-24HR	7.45	8.08	0.0010	10.06	3.71	12260
CH3_1+C	100YR-24HR	7.05	8.08	0.0088	15.65	10.49	11391
CH3_1+D	100YR-24HR	7.05	8.07	0.0009	16.97	15.16	2393
CH3_2+A	100YR-24HR	6.75	7.17	0.0004	16.50	15.92	1778
CH3_2+B	100YR-24HR	7.70	7.14	0.0005	17.31	13.78	9221
CH3_2+C	100YR-24HR	6.29	7.08	0.0009	17.45	15.30	9598
CH3_2+D	100YR-24HR	6.25	7.06	0.0009	16.43	16.46	4104
CH3_2+E	100YR-24HR	6.27	7.06	0.0009	2.60	1.53	2167
CH3_3+A	100YR-24HR	17.00	8.04	0.0003	3.10	3.05	1505
CH3_3+B	100YR-24HR	8.95	7.65	0.0022	7.04	6.69	2310
CH3_3+C	100YR-24HR	6.53	5.57	0.0005	6.69	6.66	2677
CH3_3+D	100YR-24HR	6.59	5.52	0.0005	14.72	14.71	1867

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX3S01	100YR-24HR	32.59	26.68	0.0006	2.39	2.38	113
EX3S03	100YR-24HR	15.34	12.81	0.0010	3.10	3.10	113
EX3S05	100YR-24HR	6.25	8.08	0.0081	10.49	8.96	133
EX3S08	100YR-24HR	7.45	7.75	0.0007	13.18	13.15	227
EX3S13	100YR-24HR	9.07	7.19	0.0010	3.92	3.87	113
EX3S14	100YR-24HR	18.44	7.23	0.0009	1.48	1.48	113
EX3S15	100YR-24HR	9.39	6.61	0.0034	16.72	16.72	133
EX3S16	100YR-24HR	6.66	7.07	0.0009	2.70	2.60	131
EX3S18	100YR-24HR	10.97	7.19	0.0010	1.43	1.38	113
EX3S19	100YR-24HR	15.47	11.10	0.0004	1.91	1.91	113
EX3S20	100YR-24HR	16.69	7.36	0.0010	4.65	4.65	113
EX3S21	100YR-24HR	12.13	9.10	0.0004	1.91	1.91	113
EX3S22	100YR-24HR	22.13	17.09	0.0004	1.83	1.83	113
EX3S23	100YR-24HR	6.64	6.02	0.0011	2.58	3.23	113
EX3S24	100YR-24HR	6.66	5.90	0.0010	2.94	2.89	113
EX3S25	100YR-24HR	8.25	5.90	0.0006	11.32	11.26	587
EX3S26	100YR-24HR	22.75	14.44	0.0004	4.14	4.13	113
EX3S27	100YR-24HR	38.30	33.96	0.0002	1.19	1.19	113
EX3S28	100YR-24HR	26.50	22.52	0.0005	4.22	4.21	113
EX3S29	100YR-24HR	10.76	7.41	0.0014	5.25	5.44	113
EX3S30	100YR-24HR	20.28	17.06	0.0004	3.10	3.10	113
EX3S34	100YR-24HR	23.94	19.00	0.0062	3.74	7.04	113
EX3S36	100YR-24HR	26.70	20.73	0.0005	4.06	4.05	117
EX3S37	100YR-24HR	7.69	7.79	0.0010	6.92	6.80	132
EX3S38	100YR-24HR	7.90	6.04	0.0006	3.18	3.10	166
EX3S39	100YR-24HR	8.50	13.16	0.0010	11.29	11.19	131
EX3S40	100YR-24HR	8.50	11.36	0.0010	26.78	26.71	708
EX3S41	100YR-24HR	7.12	5.71	0.0010	2.69	2.63	157
EX3S42	100YR-24HR	7.95	5.51	0.0008	15.20	15.22	564
EX3S44	100YR-24HR	9.00	5.92	0.0010	31.38	31.31	445
EX3S45	100YR-24HR	7.17	6.14	0.0010	5.35	5.28	113
EX3S46	100YR-24HR	8.01	7.11	0.0010	27.58	27.57	856
EX3S47	100YR-24HR	6.91	6.26	0.0008	2.75	2.68	113
EX3S48	100YR-24HR	24.29	20.07	0.0004	5.03	5.03	113
EX3S49	100YR-24HR	23.99	7.16	0.0006	10.68	10.59	132
EX3S50	100YR-24HR	11.17	7.14	0.0002	1.91	1.91	113
EX3S51	100YR-24HR	22.52	5.33	0.0004	3.34	3.29	113
EX3S52	100YR-24HR	16.29	5.48	0.0010	4.37	4.32	113
EX3S53	100YR-24HR	11.17	5.56	0.0009	4.37	4.34	113
EX3S54	100YR-24HR	18.99	5.31	0.0010	5.21	5.19	113
EX3S55	100YR-24HR	6.60	5.68	0.0010	4.91	4.81	113
EX3S56	100YR-24HR	16.14	6.81	0.0009	8.66	8.55	113
EX3S57	100YR-24HR	22.64	13.62	0.0004	5.01	5.00	113
EX3S58	100YR-24HR	5.52	4.83	0.0008	7.91	7.95	283
EX3S59	100YR-24HR	5.45	4.24	0.0009	10.62	10.66	428
EX3S60	100YR-24HR	13.19	4.37	0.0008	5.88	5.87	113
EX3S61	100YR-24HR	15.60	10.22	0.0003	2.70	2.70	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX3S63	100YR-24HR	11.60	3.66	0.0010	5.56	5.54	113
EX3S64	100YR-24HR	11.45	7.28	0.0003	2.78	2.78	113
EXCS3S62+A	100YR-24HR	5.95	3.54	0.0005	16.87	16.85	324
EXCS3S62+B	100YR-24HR	5.95	3.43	0.0010	16.85	16.84	113
O301	100YR-24HR	3.45	2.45	0.0002	16.84	0.01	0
O302	100YR-24HR	3.45	2.45	0.0002	72.12	0.17	0
POND301	100YR-24HR	8.45	7.14	0.0005	8.48	0.85	20625
POND301EX	100YR-24HR	7.00	5.49	0.0009	19.43	0.00	29969
POND302	100YR-24HR	6.83	7.38	0.0005	15.01	1.04	32857
POND303	100YR-24HR	7.45	6.01	0.0006	40.93	11.07	77246
POND304	100YR-24HR	6.45	5.54	0.0009	16.03	7.87	19836
POND305A	100YR-24HR	6.45	5.78	0.0006	38.74	37.30	2631
POND305B	100YR-24HR	6.45	5.47	0.0006	67.23	55.06	34072
POND305C	100YR-24HR	6.45	5.21	0.0004	66.60	66.55	2826
POND305D	100YR-24HR	6.45	5.24	0.0004	5.73	4.41	3831
POND305E	100YR-24HR	6.45	4.88	0.0004	72.44	72.12	12768
PONDCS304	100YR-24HR	5.20	5.46	0.0010	7.87	7.91	133
PONDCS305E	100YR-24HR	3.95	3.91	0.0014	72.12	72.12	113
SWALE301	100YR-24HR	8.45	7.39	0.0010	27.78	5.11	35810
SWALECS301	100YR-24HR	7.20	5.57	0.0010	5.11	5.11	113
CH3_1+A	100YR-8HR	7.65	7.22	0.0006	1.22	0.73	2593
CH3_1+B	100YR-8HR	7.45	7.22	0.0006	2.86	2.46	9172
CH3_1+C	100YR-8HR	7.05	7.21	0.0088	4.75	10.49	8803
CH3_1+D	100YR-8HR	7.05	7.21	0.0007	8.96	8.89	1875
CH3_2+A	100YR-8HR	6.75	6.66	0.0006	11.85	11.68	1468
CH3_2+B	100YR-8HR	7.70	6.60	0.0006	12.29	11.52	7509
CH3_2+C	100YR-8HR	6.29	6.43	0.0005	12.97	12.07	7779
CH3_2+D	100YR-8HR	6.25	6.40	0.0005	13.59	13.24	3226
CH3_2+E	100YR-8HR	6.27	6.40	0.0005	1.35	1.04	1647
CH3_3+A	100YR-8HR	17.00	7.84	0.0003	1.58	1.58	1171
CH3_3+B	100YR-8HR	8.95	7.44	0.0022	7.04	3.48	1745
CH3_3+C	100YR-8HR	6.53	5.04	0.0005	3.48	3.42	1982
CH3_3+D	100YR-8HR	6.59	4.92	0.0005	8.42	8.42	1583
EX3S01	100YR-8HR	32.59	26.47	0.0004	1.22	1.22	113
EX3S03	100YR-8HR	15.34	12.54	0.0010	1.58	1.58	113
EX3S05	100YR-8HR	6.25	7.22	0.0081	10.49	4.00	133
EX3S08	100YR-8HR	7.45	7.01	0.0007	10.13	10.13	227
EX3S13	100YR-8HR	9.07	6.67	0.0012	2.37	3.38	113
EX3S14	100YR-8HR	18.44	7.04	0.0007	0.65	0.65	113
EX3S15	100YR-8HR	9.39	6.14	0.0037	13.80	13.79	133
EX3S16	100YR-8HR	6.66	6.40	0.0005	1.38	1.35	113
EX3S18	100YR-8HR	10.97	6.68	0.0010	0.73	1.11	113
EX3S19	100YR-8HR	15.47	10.91	0.0005	0.97	0.97	113
EX3S20	100YR-8HR	16.69	7.15	0.0010	2.42	2.42	113
EX3S21	100YR-8HR	12.13	8.91	0.0005	0.97	0.97	113
EX3S22	100YR-8HR	22.13	16.90	0.0003	0.93	0.93	113
EX3S23	100YR-8HR	6.64	5.52	0.0010	1.31	1.31	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX3S24	100YR-8HR	6.66	5.44	0.0010	1.50	1.64	113
EX3S25	100YR-8HR	8.25	5.44	0.0004	6.48	6.46	557
EX3S26	100YR-8HR	22.75	14.14	0.0008	2.11	2.11	113
EX3S27	100YR-8HR	38.30	33.81	0.0004	0.61	0.61	113
EX3S28	100YR-8HR	26.50	22.19	0.0008	2.15	2.15	113
EX3S29	100YR-8HR	10.76	7.28	0.0010	2.68	2.68	113
EX3S30	100YR-8HR	20.28	16.79	0.0006	1.58	1.58	113
EX3S34	100YR-8HR	23.94	19.00	0.0062	1.91	7.04	113
EX3S36	100YR-8HR	26.70	20.43	0.0008	2.07	2.07	117
EX3S37	100YR-8HR	7.69	7.28	0.0010	3.53	3.78	113
EX3S38	100YR-8HR	7.90	5.07	0.0003	1.62	1.61	197
EX3S39	100YR-8HR	8.50	7.53	0.0010	5.76	5.76	113
EX3S40	100YR-8HR	8.50	7.05	0.0010	13.75	13.75	708
EX3S41	100YR-8HR	7.12	5.05	0.0010	1.37	1.37	187
EX3S42	100YR-8HR	7.95	4.89	0.0009	8.68	8.68	579
EX3S44	100YR-8HR	9.00	5.02	0.0010	16.17	16.14	445
EX3S45	100YR-8HR	7.17	5.09	0.0010	2.73	2.72	113
EX3S46	100YR-8HR	8.01	5.91	0.0010	14.19	14.19	932
EX3S47	100YR-8HR	6.91	5.12	0.0010	1.38	1.37	113
EX3S48	100YR-8HR	24.29	19.70	0.0005	2.49	2.49	113
EX3S49	100YR-8HR	23.99	5.32	0.0009	5.37	5.36	130
EX3S50	100YR-8HR	11.17	6.85	0.0003	0.97	0.97	113
EX3S51	100YR-8HR	22.52	4.81	0.0006	1.70	1.70	113
EX3S52	100YR-8HR	16.29	4.85	0.0010	2.23	2.22	113
EX3S53	100YR-8HR	11.17	4.81	0.0010	2.23	2.23	113
EX3S54	100YR-8HR	18.99	4.75	0.0010	2.67	2.67	113
EX3S55	100YR-8HR	6.60	5.35	0.0010	2.50	2.45	113
EX3S56	100YR-8HR	16.14	5.40	0.0010	4.42	5.00	113
EX3S57	100YR-8HR	22.64	13.13	0.0004	2.55	2.55	113
EX3S58	100YR-8HR	5.52	3.22	0.0010	3.09	3.09	250
EX3S59	100YR-8HR	5.45	2.84	0.0007	4.30	4.20	430
EX3S60	100YR-8HR	13.19	3.26	0.0008	3.00	3.00	113
EX3S61	100YR-8HR	15.60	9.98	0.0005	1.38	1.38	113
EX3S63	100YR-8HR	11.60	2.62	0.0010	2.86	2.84	113
EX3S64	100YR-8HR	11.45	7.00	0.0004	1.42	1.44	113
EXCS3S62+A	100YR-8HR	5.95	2.47	0.0005	7.43	7.43	326
EXCS3S62+B	100YR-8HR	5.95	2.46	0.0010	7.43	7.42	113
O301	100YR-8HR	3.45	2.45	0.0002	7.42	0.01	0
O302	100YR-8HR	3.45	2.45	0.0002	45.27	0.23	0
POND301	100YR-8HR	8.45	6.91	0.0004	3.90	0.14	20040
POND301EX	100YR-8HR	7.00	4.05	0.0008	8.95	0.00	25352
POND302	100YR-8HR	6.83	7.15	0.0005	7.29	0.54	31964
POND303	100YR-8HR	7.45	5.52	0.0007	25.16	6.31	75398
POND304	100YR-8HR	6.45	5.34	0.0009	8.19	3.09	19307
POND305A	100YR-8HR	6.45	4.99	0.0006	19.90	19.70	2620
POND305B	100YR-8HR	6.45	4.87	0.0010	36.64	34.88	32036
POND305C	100YR-8HR	6.45	4.77	0.0010	41.97	41.94	2826

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND305D	100YR-8HR	6.45	4.78	0.0010	2.89	2.69	3630
POND305E	100YR-8HR	6.45	4.63	0.0010	45.41	45.27	12575
PONDCS304	100YR-8HR	5.20	3.47	0.0010	3.09	3.09	113
PONDCS305E	100YR-8HR	3.95	2.54	0.0018	45.27	45.27	113
SWALE301	100YR-8HR	8.45	7.28	0.0010	13.43	1.27	35052
SWALECS301	100YR-8HR	7.20	5.04	0.0010	1.27	1.27	113
CH3_1+A	10YR-1HR	7.65	6.32	0.0004	1.62	1.46	1497
CH3_1+B	10YR-1HR	7.45	6.30	0.0004	3.51	1.69	5844
CH3_1+C	10YR-1HR	7.05	6.26	0.0088	5.63	10.49	5830
CH3_1+D	10YR-1HR	7.05	6.24	0.0005	4.37	4.36	1297
CH3_2+A	10YR-1HR	6.75	6.08	0.0004	7.25	6.81	1198
CH3_2+B	10YR-1HR	7.70	5.98	0.0004	7.00	6.02	5473
CH3_2+C	10YR-1HR	6.29	5.57	0.0004	6.51	6.01	5355
CH3_2+D	10YR-1HR	6.25	5.45	0.0004	6.47	6.44	1926
CH3_2+E	10YR-1HR	6.27	5.46	0.0004	1.81	1.73	913
CH3_3+A	10YR-1HR	17.00	7.91	0.0003	2.10	2.06	1298
CH3_3+B	10YR-1HR	8.95	7.52	0.0022	7.04	4.57	1921
CH3_3+C	10YR-1HR	6.53	5.04	0.0005	4.57	4.40	1971
CH3_3+D	10YR-1HR	6.59	4.77	0.0004	6.11	8.05	1488
EX3S01	10YR-1HR	32.59	26.55	0.0003	1.62	1.62	113
EX3S03	10YR-1HR	15.34	12.64	0.0009	2.10	2.10	113
EX3S05	10YR-1HR	6.25	6.26	0.0081	10.49	1.42	133
EX3S08	10YR-1HR	7.45	6.19	0.0005	5.30	5.28	238
EX3S13	10YR-1HR	9.07	6.61	0.0010	2.69	2.68	113
EX3S14	10YR-1HR	18.44	7.00	0.0001	0.65	0.65	113
EX3S15	10YR-1HR	9.39	5.22	0.0009	6.63	6.62	132
EX3S16	10YR-1HR	6.66	5.46	0.0004	1.82	1.81	113
EX3S18	10YR-1HR	10.97	6.62	0.0010	0.97	0.97	113
EX3S19	10YR-1HR	15.47	10.98	0.0003	1.29	1.29	113
EX3S20	10YR-1HR	16.69	6.77	0.0010	2.92	2.92	113
EX3S21	10YR-1HR	12.13	8.98	0.0003	1.29	1.29	113
EX3S22	10YR-1HR	22.13	16.97	0.0003	1.24	1.24	113
EX3S23	10YR-1HR	6.64	4.39	0.0010	1.46	1.46	113
EX3S24	10YR-1HR	6.66	4.94	0.0010	1.99	1.99	113
EX3S25	10YR-1HR	8.25	4.79	0.0004	1.99	1.91	527
EX3S26	10YR-1HR	22.75	14.26	0.0004	2.80	2.80	113
EX3S27	10YR-1HR	38.30	33.87	0.0002	0.81	0.81	113
EX3S28	10YR-1HR	26.50	22.32	0.0004	2.86	2.86	113
EX3S29	10YR-1HR	10.76	6.53	0.0006	3.56	3.56	113
EX3S30	10YR-1HR	20.28	16.89	0.0005	2.10	2.10	113
EX3S34	10YR-1HR	23.94	19.00	0.0062	2.53	7.04	113
EX3S36	10YR-1HR	26.70	20.54	0.0005	2.75	2.75	117
EX3S37	10YR-1HR	7.69	5.73	0.0012	4.69	4.69	113
EX3S38	10YR-1HR	7.90	4.88	0.0003	2.16	2.13	223
EX3S39	10YR-1HR	8.50	9.10	0.0010	7.66	7.60	131
EX3S40	10YR-1HR	8.50	8.27	0.0010	18.17	18.14	797
EX3S41	10YR-1HR	7.12	5.06	0.0010	1.72	1.71	219

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX3S42	10YR-1HR	7.95	4.39	0.0008	10.47	9.46	599
EX3S44	10YR-1HR	9.00	4.74	0.0010	21.33	21.20	445
EX3S45	10YR-1HR	7.17	4.77	0.0010	2.93	2.91	113
EX3S46	10YR-1HR	8.01	6.31	0.0006	18.73	18.73	927
EX3S47	10YR-1HR	6.91	4.81	0.0008	1.36	1.35	113
EX3S48	10YR-1HR	24.29	19.64	0.0004	2.14	2.14	113
EX3S49	10YR-1HR	23.99	4.46	0.0005	5.92	5.96	132
EX3S50	10YR-1HR	11.17	6.96	0.0003	1.29	1.29	113
EX3S51	10YR-1HR	22.52	4.36	0.0005	2.26	2.26	113
EX3S52	10YR-1HR	16.29	4.37	0.0009	2.97	3.66	113
EX3S53	10YR-1HR	11.17	4.51	0.0010	2.97	3.76	113
EX3S54	10YR-1HR	18.99	4.35	0.0016	4.30	5.06	113
EX3S55	10YR-1HR	6.60	4.19	0.0012	3.10	3.10	113
EX3S56	10YR-1HR	16.14	4.97	0.0011	5.87	5.90	113
EX3S57	10YR-1HR	22.64	13.30	0.0005	3.40	3.39	113
EX3S58	10YR-1HR	5.52	2.82	0.0002	0.25	0.24	267
EX3S59	10YR-1HR	5.45	2.82	0.0007	3.99	3.98	429
EX3S60	10YR-1HR	13.19	3.43	0.0008	3.99	3.99	113
EX3S61	10YR-1HR	15.60	10.07	0.0004	1.83	1.83	113
EX3S63	10YR-1HR	11.60	2.78	0.0007	3.77	3.77	113
EX3S64	10YR-1HR	11.45	7.10	0.0005	1.89	1.89	113
EXCS3S62+A	10YR-1HR	5.95	2.43	0.0010	8.74	8.74	327
EXCS3S62+B	10YR-1HR	5.95	1.72	0.0009	8.74	8.74	113
O301	10YR-1HR	3.45	1.45	0.0000	8.74	0.00	0
O302	10YR-1HR	3.45	1.45	0.0000	18.65	0.11	0
POND301	10YR-1HR	8.45	5.74	0.0001	2.23	0.00	16885
POND301EX	10YR-1HR	7.00	1.84	0.0001	4.29	0.00	21105
POND302	10YR-1HR	6.83	5.98	0.0002	6.41	0.00	27177
POND303	10YR-1HR	7.45	3.72	0.0002	11.42	0.00	68466
POND304	10YR-1HR	6.45	3.81	0.0004	9.24	0.00	16335
POND305A	10YR-1HR	6.45	4.65	0.0005	24.75	24.58	2530
POND305B	10YR-1HR	6.45	4.38	0.0007	41.08	15.20	30843
POND305C	10YR-1HR	6.45	4.36	0.0007	17.85	17.68	2826
POND305D	10YR-1HR	6.45	4.36	0.0007	4.45	1.10	3556
POND305E	10YR-1HR	6.45	4.33	0.0010	19.05	18.65	12314
PONDCS304	10YR-1HR	5.20	2.82	0.0010	0.24	0.03	113
PONDCS305E	10YR-1HR	3.95	1.55	0.0013	18.65	18.65	113
SWALE301	10YR-1HR	8.45	4.81	0.0005	12.96	0.00	21382
SWALECS301	10YR-1HR	7.20	5.04	0.0010	1.08	0.03	113
CH3_1+A	10YR-24HR	7.65	7.03	0.0007	1.57	0.76	2356
CH3_1+B	10YR-24HR	7.45	7.03	0.0007	4.78	2.54	8501
CH3_1+C	10YR-24HR	7.05	7.03	0.0088	6.93	10.49	8118
CH3_1+D	10YR-24HR	7.05	7.02	0.0006	9.31	8.43	1761
CH3_2+A	10YR-24HR	6.75	6.52	0.0003	11.29	11.00	1387
CH3_2+B	10YR-24HR	7.70	6.44	0.0004	11.65	10.67	6944
CH3_2+C	10YR-24HR	6.29	6.19	0.0005	11.88	11.31	7101
CH3_2+D	10YR-24HR	6.25	6.13	0.0006	12.33	12.28	2798

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
CH3_2+E	10YR-24HR	6.27	6.13	0.0006	1.72	1.13	1442
CH3_3+A	10YR-24HR	17.00	7.91	0.0003	2.05	2.01	1284
CH3_3+B	10YR-24HR	8.95	7.51	0.0022	7.04	4.43	1911
CH3_3+C	10YR-24HR	6.53	5.11	0.0005	4.43	4.16	2079
CH3_3+D	10YR-24HR	6.59	4.98	0.0004	7.38	6.91	1622
EX3S01	10YR-24HR	32.59	26.54	0.0005	1.57	1.57	113
EX3S03	10YR-24HR	15.34	12.63	0.0010	2.05	2.05	113
EX3S05	10YR-24HR	6.25	7.03	0.0081	10.49	4.45	133
EX3S08	10YR-24HR	7.45	6.85	0.0005	9.38	9.37	227
EX3S13	10YR-24HR	9.07	6.58	0.0010	2.61	2.59	113
EX3S14	10YR-24HR	18.44	7.00	0.0005	0.63	0.63	113
EX3S15	10YR-24HR	9.39	5.93	0.0030	12.62	12.62	133
EX3S16	10YR-24HR	6.66	6.14	0.0005	1.78	1.72	113
EX3S18	10YR-24HR	10.97	6.59	0.0010	0.94	0.93	113
EX3S19	10YR-24HR	15.47	10.97	0.0004	1.26	1.26	113
EX3S20	10YR-24HR	16.69	7.00	0.0010	3.14	3.14	113
EX3S21	10YR-24HR	12.13	8.97	0.0004	1.26	1.26	113
EX3S22	10YR-24HR	22.13	16.96	0.0004	1.21	1.21	113
EX3S23	10YR-24HR	6.64	5.14	0.0010	1.67	1.67	113
EX3S24	10YR-24HR	6.66	5.07	0.0010	1.94	2.32	113
EX3S25	10YR-24HR	8.25	5.07	0.0005	3.26	3.24	565
EX3S26	10YR-24HR	22.75	14.24	0.0004	2.73	2.73	113
EX3S27	10YR-24HR	38.30	33.86	0.0002	0.79	0.79	113
EX3S28	10YR-24HR	26.50	22.31	0.0005	2.78	2.78	113
EX3S29	10YR-24HR	10.76	7.17	0.0010	3.46	3.46	113
EX3S30	10YR-24HR	20.28	16.88	0.0006	2.05	2.05	113
EX3S34	10YR-24HR	23.94	19.00	0.0062	2.47	7.04	113
EX3S36	10YR-24HR	26.70	20.53	0.0006	2.68	2.68	117
EX3S37	10YR-24HR	7.69	7.17	0.0010	4.57	4.48	113
EX3S38	10YR-24HR	7.90	5.19	0.0004	2.10	2.06	173
EX3S39	10YR-24HR	8.50	8.91	0.0010	7.45	7.40	131
EX3S40	10YR-24HR	8.50	8.13	0.0010	17.68	17.66	708
EX3S41	10YR-24HR	7.12	5.11	0.0010	1.77	1.75	163
EX3S42	10YR-24HR	7.95	4.95	0.0005	10.09	9.96	568
EX3S44	10YR-24HR	9.00	5.14	0.0010	20.75	20.63	446
EX3S45	10YR-24HR	7.17	5.23	0.0010	3.46	3.41	113
EX3S46	10YR-24HR	8.01	6.27	0.0010	18.23	18.23	879
EX3S47	10YR-24HR	6.91	5.28	0.0008	1.75	1.71	113
EX3S48	10YR-24HR	24.29	19.81	0.0005	3.12	3.11	113
EX3S49	10YR-24HR	23.99	5.60	0.0006	6.84	6.78	132
EX3S50	10YR-24HR	11.17	6.95	0.0003	1.26	1.26	113
EX3S51	10YR-24HR	22.52	4.86	0.0004	2.20	2.17	113
EX3S52	10YR-24HR	16.29	4.92	0.0009	2.89	2.85	113
EX3S53	10YR-24HR	11.17	4.93	0.0010	2.89	2.86	113
EX3S54	10YR-24HR	18.99	4.83	0.0010	3.43	3.41	113
EX3S55	10YR-24HR	6.60	5.26	0.0013	3.22	3.87	113
EX3S56	10YR-24HR	16.14	5.26	0.0009	5.72	5.66	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX3S57	10YR-24HR	22.64	13.29	0.0005	3.31	3.30	113
EX3S58	10YR-24HR	5.52	3.03	0.0005	0.82	0.82	274
EX3S59	10YR-24HR	5.45	3.03	0.0008	3.88	3.86	426
EX3S60	10YR-24HR	13.19	3.41	0.0008	3.88	3.88	113
EX3S61	10YR-24HR	15.60	10.06	0.0005	1.78	1.78	113
EX3S63	10YR-24HR	11.60	2.95	0.0014	3.67	3.85	113
EX3S64	10YR-24HR	11.45	7.09	0.0005	1.84	1.84	113
EXCS3S62+A	10YR-24HR	5.95	2.84	0.0007	9.47	9.46	323
EXCS3S62+B	10YR-24HR	5.95	2.75	0.0010	9.46	9.46	113
O301	10YR-24HR	3.45	2.45	0.0004	9.46	0.03	0
O302	10YR-24HR	3.45	2.45	0.0004	48.15	0.21	0
POND301	10YR-24HR	8.45	6.79	0.0003	4.53	0.01	19729
POND301EX	10YR-24HR	7.00	3.77	0.0005	10.37	0.00	24622
POND302	10YR-24HR	6.83	7.01	0.0003	8.92	0.19	31387
POND303	10YR-24HR	7.45	5.14	0.0004	23.96	3.14	73918
POND304	10YR-24HR	6.45	5.26	0.0007	10.10	0.82	19097
POND305A	10YR-24HR	6.45	5.08	0.0004	25.29	24.47	2631
POND305B	10YR-24HR	6.45	4.93	0.0004	44.91	37.37	32242
POND305C	10YR-24HR	6.45	4.81	0.0004	44.83	44.76	2826
POND305D	10YR-24HR	6.45	4.83	0.0004	3.64	2.78	3650
POND305E	10YR-24HR	6.45	4.66	0.0004	48.49	48.15	12575
PONDCS304	10YR-24HR	5.20	3.03	0.0010	0.82	0.82	113
PONDCS305E	10YR-24HR	3.95	3.10	0.0013	48.15	48.15	113
SWALE301	10YR-24HR	8.45	7.17	0.0007	16.50	0.00	34363
SWALECS301	10YR-24HR	7.20	5.11	0.0010	0.06	0.03	113
CH3_1+A	10YR-8HR	7.65	6.54	0.0005	0.86	0.66	1762
CH3_1+B	10YR-8HR	7.45	6.53	0.0005	1.70	1.50	6706
CH3_1+C	10YR-8HR	7.05	6.52	0.0088	3.67	10.49	6609
CH3_1+D	10YR-8HR	7.05	6.51	0.0007	5.96	5.95	1361
CH3_2+A	10YR-8HR	6.75	6.27	0.0005	8.11	7.99	1257
CH3_2+B	10YR-8HR	7.70	6.17	0.0005	8.31	7.82	6114
CH3_2+C	10YR-8HR	6.29	5.83	0.0005	8.60	8.29	6101
CH3_2+D	10YR-8HR	6.25	5.73	0.0005	9.09	9.05	2288
CH3_2+E	10YR-8HR	6.27	5.73	0.0005	0.95	0.72	1129
CH3_3+A	10YR-8HR	17.00	7.75	0.0003	1.12	1.12	1028
CH3_3+B	10YR-8HR	8.95	7.36	0.0022	7.04	2.46	1515
CH3_3+C	10YR-8HR	6.53	4.85	0.0005	2.46	2.42	1715
CH3_3+D	10YR-8HR	6.59	4.67	0.0004	4.40	4.38	1410
EX3S01	10YR-8HR	32.59	26.38	0.0005	0.86	0.86	113
EX3S03	10YR-8HR	15.34	12.44	0.0010	1.12	1.12	113
EX3S05	10YR-8HR	6.25	6.52	0.0081	10.49	2.83	133
EX3S08	10YR-8HR	7.45	6.43	0.0006	6.86	6.85	227
EX3S13	10YR-8HR	9.07	6.31	0.0010	1.65	2.03	113
EX3S14	10YR-8HR	18.44	6.92	0.0001	0.34	0.34	113
EX3S15	10YR-8HR	9.39	5.50	0.0013	9.32	9.31	133
EX3S16	10YR-8HR	6.66	5.74	0.0005	0.97	0.95	113
EX3S18	10YR-8HR	10.97	6.32	0.0008	0.52	0.75	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX3S19	10YR-8HR	15.47	10.83	0.0004	0.69	0.69	113
EX3S20	10YR-8HR	16.69	6.69	0.0010	1.68	1.68	113
EX3S21	10YR-8HR	12.13	8.83	0.0004	0.69	0.69	113
EX3S22	10YR-8HR	22.13	16.83	0.0004	0.66	0.66	113
EX3S23	10YR-8HR	6.64	4.87	0.0010	0.91	0.91	113
EX3S24	10YR-8HR	6.66	4.81	0.0010	1.06	1.11	113
EX3S25	10YR-8HR	8.25	4.81	0.0005	1.51	1.51	493
EX3S26	10YR-8HR	22.75	14.02	0.0008	1.49	1.49	113
EX3S27	10YR-8HR	38.30	33.74	0.0002	0.43	0.43	113
EX3S28	10YR-8HR	26.50	22.08	0.0006	1.52	1.52	113
EX3S29	10YR-8HR	10.76	6.32	0.0005	1.89	1.89	113
EX3S30	10YR-8HR	20.28	16.69	0.0005	1.12	1.12	113
EX3S34	10YR-8HR	23.94	19.00	0.0062	1.35	7.04	113
EX3S36	10YR-8HR	26.70	20.32	0.0009	1.46	1.46	114
EX3S37	10YR-8HR	7.69	6.32	0.0010	2.50	3.12	113
EX3S38	10YR-8HR	7.90	4.73	0.0003	1.15	1.14	209
EX3S39	10YR-8HR	8.50	6.49	0.0010	4.07	4.07	113
EX3S40	10YR-8HR	8.50	6.25	0.0010	9.72	9.72	708
EX3S41	10YR-8HR	7.12	4.87	0.0010	0.97	0.96	202
EX3S42	10YR-8HR	7.95	4.59	0.0009	6.15	6.10	587
EX3S44	10YR-8HR	9.00	4.67	0.0009	11.43	11.39	445
EX3S45	10YR-8HR	7.17	4.70	0.0010	1.88	1.87	113
EX3S46	10YR-8HR	8.01	5.56	0.0010	10.04	10.03	931
EX3S47	10YR-8HR	6.91	4.71	0.0010	0.94	0.93	113
EX3S48	10YR-8HR	24.29	19.55	0.0007	1.65	1.64	113
EX3S49	10YR-8HR	23.99	4.78	0.0009	3.68	3.67	126
EX3S50	10YR-8HR	11.17	6.74	0.0003	0.69	0.69	113
EX3S51	10YR-8HR	22.52	4.55	0.0006	1.21	1.19	113
EX3S52	10YR-8HR	16.29	4.57	0.0010	1.58	1.57	113
EX3S53	10YR-8HR	11.17	4.55	0.0008	1.58	1.65	113
EX3S54	10YR-8HR	18.99	4.52	0.0010	1.89	1.88	113
EX3S55	10YR-8HR	6.60	5.14	0.0010	1.76	1.72	113
EX3S56	10YR-8HR	16.14	5.14	0.0010	3.13	3.22	113
EX3S57	10YR-8HR	22.64	13.00	0.0006	1.81	1.81	113
EX3S58	10YR-8HR	5.52	2.63	0.0002	0.03	0.03	225
EX3S59	10YR-8HR	5.45	2.63	0.0008	2.12	2.12	415
EX3S60	10YR-8HR	13.19	3.10	0.0008	2.12	2.12	113
EX3S61	10YR-8HR	15.60	9.89	0.0005	0.98	0.98	113
EX3S63	10YR-8HR	11.60	2.46	0.0009	2.01	2.01	113
EX3S64	10YR-8HR	11.45	6.92	0.0005	1.00	1.00	113
EXCS3S62+A	10YR-8HR	5.95	2.46	0.0003	5.14	5.14	326
EXCS3S62+B	10YR-8HR	5.95	2.45	0.0010	5.14	5.13	113
O301	10YR-8HR	3.45	2.45	0.0003	5.13	0.01	0
O302	10YR-8HR	3.45	2.45	0.0003	29.87	0.21	0
POND301	10YR-8HR	8.45	6.35	0.0003	2.23	0.00	18466
POND301EX	10YR-8HR	7.00	2.96	0.0006	5.09	0.00	22899
POND302	10YR-8HR	6.83	6.69	0.0004	4.59	0.00	30150

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND303	10YR-8HR	7.45	4.87	0.0005	14.96	1.50	72890
POND304	10YR-8HR	6.45	5.14	0.0008	5.44	0.00	18779
POND305A	10YR-8HR	6.45	4.65	0.0007	13.89	13.66	2527
POND305B	10YR-8HR	6.45	4.58	0.0010	25.36	23.37	31407
POND305C	10YR-8HR	6.45	4.53	0.0010	27.90	27.84	2826
POND305D	10YR-8HR	6.45	4.54	0.0010	1.96	1.70	3556
POND305E	10YR-8HR	6.45	4.47	0.0010	30.07	29.88	12423
PONDCS304	10YR-8HR	5.20	1.87	0.0005	0.03	0.00	113
PONDCS305E	10YR-8HR	3.95	2.46	0.0013	29.88	29.87	113
SWALE301	10YR-8HR	8.45	6.32	0.0009	8.69	0.00	28978
SWALECS301	10YR-8HR	7.20	4.85	0.0010	0.22	0.02	113
CH3_1+A	25YR-72HR	7.65	7.53	0.0010	1.93	0.82	2962
CH3_1+B	25YR-72HR	7.45	7.53	0.0010	7.18	2.97	10290
CH3_1+C	25YR-72HR	7.05	7.53	0.0088	11.14	10.49	9743
CH3_1+D	25YR-72HR	7.05	7.52	0.0009	13.01	11.71	2063
CH3_2+A	25YR-72HR	6.75	6.87	0.0005	13.60	13.18	1595
CH3_2+B	25YR-72HR	7.70	6.83	0.0005	14.26	12.17	8264
CH3_2+C	25YR-72HR	6.29	6.73	0.0008	15.01	13.41	8614
CH3_2+D	25YR-72HR	6.25	6.71	0.0009	14.33	13.85	3640
CH3_2+E	25YR-72HR	6.27	6.71	0.0009	1.87	0.97	1893
CH3_3+A	25YR-72HR	17.00	7.93	0.0003	2.24	2.20	1328
CH3_3+B	25YR-72HR	8.95	7.54	0.0022	7.04	4.83	1998
CH3_3+C	25YR-72HR	6.53	5.43	0.0005	8.82	8.89	2425
CH3_3+D	25YR-72HR	6.59	5.23	0.0005	18.57	18.80	1771
EX3S01	25YR-72HR	32.59	26.57	0.0003	1.72	1.72	113
EX3S03	25YR-72HR	15.34	12.66	0.0009	2.24	2.24	113
EX3S05	25YR-72HR	6.25	7.53	0.0081	10.49	7.08	133
EX3S08	25YR-72HR	7.45	7.28	0.0007	11.32	11.30	227
EX3S13	25YR-72HR	9.07	6.88	0.0010	2.84	2.80	113
EX3S14	25YR-72HR	18.44	7.26	0.0010	1.65	2.11	113
EX3S15	25YR-72HR	9.39	6.40	0.0010	14.19	14.17	133
EX3S16	25YR-72HR	6.66	6.72	0.0008	1.95	1.87	131
EX3S18	25YR-72HR	10.97	6.88	0.0010	1.03	1.00	113
EX3S19	25YR-72HR	15.47	11.00	0.0005	1.38	1.38	113
EX3S20	25YR-72HR	16.69	7.39	0.0008	3.37	3.34	113
EX3S21	25YR-72HR	12.13	9.00	0.0005	1.38	1.38	113
EX3S22	25YR-72HR	22.13	16.99	0.0006	1.32	1.32	113
EX3S23	25YR-72HR	6.64	5.95	0.0005	1.87	1.83	113
EX3S24	25YR-72HR	6.66	5.84	0.0009	2.13	2.36	113
EX3S25	25YR-72HR	8.25	5.84	0.0005	10.60	10.58	461
EX3S26	25YR-72HR	22.75	14.29	0.0004	2.99	2.99	113
EX3S27	25YR-72HR	38.30	33.88	0.0002	0.86	0.86	113
EX3S28	25YR-72HR	26.50	22.35	0.0005	3.05	3.04	113
EX3S29	25YR-72HR	10.76	7.46	0.0010	3.79	4.38	113
EX3S30	25YR-72HR	20.28	16.91	0.0004	2.24	2.24	113
EX3S34	25YR-72HR	23.94	19.00	0.0062	2.70	7.04	113
EX3S36	25YR-72HR	26.70	20.58	0.0005	2.93	2.93	117

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX3S37	25YR-72HR	7.69	7.69	0.0010	5.00	4.92	113
EX3S38	25YR-72HR	7.90	5.39	0.0006	2.30	2.24	122
EX3S39	25YR-72HR	8.50	9.63	0.0010	8.16	8.10	131
EX3S40	25YR-72HR	8.50	8.69	0.0010	19.36	19.33	708
EX3S41	25YR-72HR	7.12	5.27	0.0007	1.95	1.91	116
EX3S42	25YR-72HR	7.95	5.17	0.0007	19.94	19.98	565
EX3S44	25YR-72HR	9.00	5.34	0.0010	22.71	22.62	446
EX3S45	25YR-72HR	7.17	5.46	0.0010	3.90	3.84	113
EX3S46	25YR-72HR	8.01	6.46	0.0010	19.96	19.96	815
EX3S47	25YR-72HR	6.91	5.52	0.0007	2.01	1.96	113
EX3S48	25YR-72HR	24.29	19.89	0.0004	3.71	3.71	113
EX3S49	25YR-72HR	23.99	5.98	0.0006	7.79	7.72	132
EX3S50	25YR-72HR	11.17	6.99	0.0003	1.38	1.38	113
EX3S51	25YR-72HR	22.52	5.00	0.0007	2.41	2.37	113
EX3S52	25YR-72HR	16.29	5.07	0.0006	3.16	3.12	113
EX3S53	25YR-72HR	11.17	5.07	0.0009	3.16	3.13	113
EX3S54	25YR-72HR	18.99	4.94	0.0010	3.76	3.74	113
EX3S55	25YR-72HR	6.60	5.73	0.0009	3.55	3.52	113
EX3S56	25YR-72HR	16.14	6.34	0.0004	6.26	6.22	113
EX3S57	25YR-72HR	22.64	13.34	0.0004	3.62	3.62	113
EX3S58	25YR-72HR	5.52	4.91	0.0010	8.09	8.12	277
EX3S59	25YR-72HR	5.45	4.30	0.0009	10.81	10.84	428
EX3S60	25YR-72HR	13.19	4.44	0.0010	4.25	4.20	113
EX3S61	25YR-72HR	15.60	10.09	0.0004	1.95	1.95	113
EX3S63	25YR-72HR	11.60	3.70	0.0010	4.02	3.99	113
EX3S64	25YR-72HR	11.45	7.13	0.0004	2.01	2.01	113
EXCS3S62+A	25YR-72HR	5.95	3.58	0.0006	17.14	17.14	321
EXCS3S62+B	25YR-72HR	5.95	3.47	0.0010	17.14	17.14	113
O301	25YR-72HR	3.45	2.45	0.0001	17.14	0.07	0
O302	25YR-72HR	3.45	2.45	0.0001	56.26	0.18	0
POND301	25YR-72HR	8.45	7.11	0.0004	6.58	0.65	20542
POND301EX	25YR-72HR	7.00	5.33	0.0008	15.03	0.00	29378
POND302	25YR-72HR	6.83	7.41	0.0004	11.01	1.14	32979
POND303	25YR-72HR	7.45	5.95	0.0005	29.35	10.43	77000
POND304	25YR-72HR	6.45	5.59	0.0003	11.87	8.06	19980
POND305A	25YR-72HR	6.45	5.27	0.0006	28.08	27.10	2631
POND305B	25YR-72HR	6.45	5.12	0.0006	52.92	44.38	32827
POND305C	25YR-72HR	6.45	4.94	0.0004	52.49	52.44	2826
POND305D	25YR-72HR	6.45	4.96	0.0004	4.19	3.13	3708
POND305E	25YR-72HR	6.45	4.74	0.0002	56.55	56.26	12582
PONDCS304	25YR-72HR	5.20	5.54	0.0010	8.06	8.09	133
PONDCS305E	25YR-72HR	3.95	3.34	0.0016	56.26	56.26	113
SWALE301	25YR-72HR	8.45	7.43	0.0008	20.78	6.91	36090
SWALECS301	25YR-72HR	7.20	5.62	0.0010	6.91	6.92	113

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CH3_1+D_S08	100YR-1HR	7.59	-0.92	-0.01	2.40	2.40	2.40
CH3_1+SEC1	100YR-1HR	2.05	0.00	0.00	0.51	1.72	1.02
CH3_1+SEC2	100YR-1HR	2.89	-1.52	-0.04	0.42	1.26	0.75
CH3_1+SEC3	100YR-1HR	5.46	-5.00	0.05	-0.72	-2.74	-1.71
CH3_2+D_S15	100YR-1HR	11.82	0.00	-0.57	5.80	4.71	5.25
CH3_2+SEC1	100YR-1HR	10.93	0.00	-0.02	0.95	2.38	1.49
CH3_2+SEC2	100YR-1HR	10.19	0.00	-0.01	0.74	0.82	0.77
CH3_2+SEC3	100YR-1HR	10.58	-0.88	-0.01	0.71	-0.82	0.75
CH3_2+SEC4	100YR-1HR	2.38	-0.01	-0.07	0.60	2.03	1.24
CH3_3+D_S42	100YR-1HR	12.79	0.00	1.80	4.43	1.87	3.15
CH3_3+SEC1	100YR-1HR	3.00	-0.03	0.00	0.56	1.47	0.85
CH3_3+SEC2	100YR-1HR	6.62	0.00	0.00	2.37	1.90	1.87
CH3_3+SEC3	100YR-1HR	6.67	0.00	0.00	0.88	1.30	1.09
CS3POND304_WEIR	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
CS3S62_WEIR1	100YR-1HR	13.16	0.00	0.00	2.49	2.49	2.49
CS3S62_WEIR2	100YR-1HR	0.35	0.00	0.00	4.14	4.14	4.14
CSPOND305E_WEIR	100YR-1HR	44.43	0.00	-0.03	2.63	2.63	2.63
CSSWALE301_WEIR	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX3P01_CH3_2+B	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX3P02_S20	100YR-1HR	0.00	-4.33	0.01	-3.53	-4.92	-4.23
EX3P03_S25	100YR-1HR	0.00	-1.96	0.00	-1.35	-2.90	-2.12
EX3P05A_P05B	100YR-1HR	37.83	0.00	-0.34	3.78	6.42	5.00
EX3P05B_P05C	100YR-1HR	34.95	-2.25	-0.03	2.36	2.40	2.38
EX3P05C_P05E	100YR-1HR	41.51	0.00	0.04	2.85	3.41	2.91
EX3P05D_P05C	100YR-1HR	2.49	-1.45	0.02	1.29	1.46	1.38
EX3P05E_O02	100YR-1HR	44.43	-0.16	-2.54	4.62	4.62	4.62
EX3S01_CH3_1+A	100YR-1HR	2.35	0.00	0.02	3.93	18.11	11.02
EX3S03_CH3_1+B	100YR-1HR	3.06	0.00	-0.05	4.30	14.63	9.46
EX3S05_CH3_1+C	100YR-1HR	3.67	-10.49	1.29	-2.37	-4.92	-3.65
EX3S08_CH3	100YR-1HR	8.75	0.00	-0.01	2.77	2.77	2.77

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
_2+A							
EX3S13_CH3_2+A	100YR-1HR	3.91	0.00	-0.56	4.24	4.95	4.60
EX3S14_CH3_2+C	100YR-1HR	0.88	0.00	-0.02	2.92	5.28	4.10
EX3S15_P03	100YR-1HR	11.82	0.00	-0.28	5.81	6.56	6.18
EX3S16_CH3_2+E	100YR-1HR	2.63	0.00	-0.01	2.27	2.76	2.50
EX3S18_S13	100YR-1HR	1.41	0.00	-0.02	1.91	1.20	1.42
EX3S19_P01	100YR-1HR	1.88	0.00	0.02	3.65	13.37	8.51
EX3S20_S14	100YR-1HR	0.00	-0.17	0.00	-0.52	-1.85	-1.18
EX3S21_P03	100YR-1HR	1.88	0.00	0.02	3.65	15.18	9.42
EX3S22_P03	100YR-1HR	1.80	0.00	0.02	3.61	16.36	9.98
EX3S23_P03	100YR-1HR	2.27	-0.01	0.02	3.88	4.48	4.18
EX3S24_S25	100YR-1HR	2.90	0.00	-0.38	3.68	3.89	3.41
EX3S25_CH3_3+D	100YR-1HR	1.47	-0.35	-0.02	1.54	2.34	1.77
EX3S26_P02	100YR-1HR	4.08	0.00	-0.05	4.80	17.80	11.30
EX3S27_SW01	100YR-1HR	1.18	0.00	0.02	3.17	15.16	9.16
EX3S28_SW01	100YR-1HR	4.15	0.00	-0.05	4.84	21.54	13.19
EX3S29_SW01	100YR-1HR	5.18	0.00	-0.05	5.33	7.23	6.28
EX3S30_CH3_3+A	100YR-1HR	3.06	0.00	-0.05	4.30	11.44	7.87
EX3S34_CH3_3+B	100YR-1HR	7.04	0.00	-0.05	5.74	22.77	14.25
EX3S36_S49	100YR-1HR	4.00	0.00	-0.05	4.76	5.35	5.06
EX3S37_SW01	100YR-1HR	6.81	0.00	-0.19	5.55	6.65	6.09
EX3S38_S44	100YR-1HR	3.06	0.00	-0.02	2.28	3.73	2.97
EX3S39_S40	100YR-1HR	11.00	0.00	0.00	8.96	8.96	8.96
EX3S40_S46	100YR-1HR	26.26	0.00	0.01	6.60	6.60	6.60
EX3S41_S42	100YR-1HR	2.55	0.00	-0.01	3.36	4.05	3.58
EX3S42_P05B	100YR-1HR	15.78	0.00	-0.15	2.20	3.94	2.91
EX3S44_P05A	100YR-1HR	30.81	0.00	2.57	4.47	4.14	4.11
EX3S45_P05A	100YR-1HR	4.62	0.00	-0.30	3.77	3.77	3.77
EX3S46_S44	100YR-1HR	27.11	0.00	0.04	6.82	7.88	7.35
EX3S47_S45	100YR-1HR	2.22	0.00	-0.24	2.16	1.81	1.81
EX3S48_S49	100YR-1HR	3.69	0.00	-0.05	4.61	7.59	6.10
EX3S49_P05B	100YR-1HR	9.16	0.00	-0.01	7.47	7.61	7.50
EX3S50_P05C	100YR-1HR	1.88	0.00	0.00	1.91	3.65	2.78
EX3S51_P05C	100YR-1HR	3.37	0.00	-0.01	2.75	4.41	3.55
EX3S52_P05D	100YR-1HR	5.44	0.00	-1.01	5.46	12.18	8.82
EX3S53_S54	100YR-1HR	4.47	0.00	0.68	4.99	8.16	6.24
EX3S54_P05E	100YR-1HR	5.44	0.00	-0.49	5.46	8.59	7.03

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX3S55_P04	100YR-1HR	4.62	0.00	-0.94	4.91	5.59	5.25
EX3S56_P04	100YR-1HR	9.28	0.00	-0.61	7.56	7.78	7.67
EX3S57_S56	100YR-1HR	4.94	0.00	-0.05	4.17	5.22	4.63
EX3S58_S59	100YR-1HR	0.11	-0.53	0.00	-0.49	-1.94	-1.19
EX3S59_S62+A	100YR-1HR	5.76	0.00	-0.03	3.78	2.07	2.92
EX3S60_S59	100YR-1HR	5.80	0.00	-0.02	4.73	5.66	5.19
EX3S61_S60	100YR-1HR	2.67	0.00	0.02	3.99	4.13	4.06
EX3S62+B_O01	100YR-1HR	13.46	0.00	-0.52	4.28	4.28	4.28
EX3S63_S62+A	100YR-1HR	5.49	0.00	-0.05	4.47	5.51	4.99
EX3S64_S63	100YR-1HR	2.74	0.00	-0.03	3.40	4.14	3.67
EX3SWALECS301_3+C	100YR-1HR	0.04	-1.24	0.01	-1.03	-2.74	-1.84
PONDCS304_S58	100YR-1HR	0.04	-0.48	0.00	-0.65	-2.38	-1.52
CH3_1+D_S08	100YR-24HR	11.36	0.00	0.01	3.60	3.60	3.60
CH3_1+SEC1	100YR-24HR	1.01	-0.38	0.04	0.25	0.24	0.22
CH3_1+SEC2	100YR-24HR	3.71	-6.96	0.09	-0.28	-0.45	-0.36
CH3_1+SEC3	100YR-24HR	7.51	-6.77	0.77	-0.32	-0.36	-0.34
CH3_2+D_S15	100YR-24HR	16.46	0.00	0.17	5.24	5.24	5.24
CH3_2+SEC1	100YR-24HR	15.92	0.00	-0.05	0.89	0.95	0.91
CH3_2+SEC2	100YR-24HR	13.76	0.00	-0.01	0.75	0.74	0.74
CH3_2+SEC3	100YR-24HR	15.30	-0.02	0.04	0.66	0.71	0.69
CH3_2+SEC4	100YR-24HR	1.53	0.00	-0.22	0.17	0.52	0.33
CH3_3+D_S42	100YR-24HR	14.71	0.00	-0.65	4.62	1.68	3.15
CH3_3+SEC1	100YR-24HR	3.05	-0.03	0.00	0.57	1.39	0.81
CH3_3+SEC2	100YR-24HR	6.69	0.00	0.00	2.36	1.90	1.69
CH3_3+SEC3	100YR-24HR	6.66	-0.13	-0.02	0.83	1.05	0.94
CS3POND304_WEIR	100YR-24HR	7.87	0.00	0.02	1.60	1.60	1.60
CS3S62_WEIR1	100YR-24HR	16.71	0.00	0.40	1.38	1.38	1.38
CS3S62_WEIR2	100YR-24HR	0.19	0.00	0.02	2.22	2.22	2.22
CSPOND305E_WEIR	100YR-24HR	72.12	0.00	0.02	3.09	3.09	3.09
CSSWALE301_WEIR	100YR-24HR	5.11	0.00	0.01	1.40	1.40	1.40
EX3P01_CH3_2+B	100YR-24HR	0.85	-0.36	-0.04	2.90	2.93	2.84
EX3P02_S20	100YR-24HR	1.04	-4.58	-0.10	-3.73	-4.96	-4.29
EX3P03_S25	100YR-24HR	11.07	-6.73	0.05	2.52	-4.16	-3.22

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX3P05A_P05B	100YR-24HR	37.30	0.00	0.52	3.68	3.68	3.68
EX3P05B_P05C	100YR-24HR	55.06	-0.03	-0.34	3.72	3.72	3.72
EX3P05C_P05E	100YR-24HR	66.55	0.00	0.43	4.49	4.49	4.49
EX3P05D_P05C	100YR-24HR	4.41	-0.07	0.03	1.40	1.40	1.40
EX3P05E_O02	100YR-24HR	72.12	-0.17	-2.73	7.50	7.50	7.50
EX3S01_CH3_1+A	100YR-24HR	2.38	0.00	0.02	3.94	18.19	11.07
EX3S03_CH3_1+B	100YR-24HR	3.10	0.00	-0.05	4.32	14.69	9.50
EX3S05_CH3_1+C	100YR-24HR	8.96	-10.49	-1.80	-2.37	-4.92	-3.65
EX3S08_CH3_2+A	100YR-24HR	13.15	0.00	0.00	4.16	4.16	4.16
EX3S13_CH3_2+A	100YR-24HR	3.87	0.00	0.17	3.16	3.29	3.16
EX3S14_CH3_2+C	100YR-24HR	1.48	0.00	-0.20	3.66	5.58	4.33
EX3S15_P03	100YR-24HR	16.72	0.00	-1.92	6.07	6.73	6.40
EX3S16_CH3_2+E	100YR-24HR	2.60	0.00	-0.01	2.06	2.06	2.06
EX3S18_S13	100YR-24HR	1.38	0.00	0.43	1.82	1.13	1.26
EX3S19_P01	100YR-24HR	1.91	0.00	0.02	3.67	13.42	8.55
EX3S20_S14	100YR-24HR	1.41	-0.14	-0.12	3.39	3.21	3.19
EX3S21_P03	100YR-24HR	1.91	0.00	0.02	3.67	15.24	9.46
EX3S22_P03	100YR-24HR	1.83	0.00	0.02	3.62	16.43	10.02
EX3S23_P03	100YR-24HR	3.23	0.00	-0.65	4.39	4.19	4.00
EX3S24_S25	100YR-24HR	2.89	0.00	0.22	2.70	3.38	2.99
EX3S25_CH3_3+D	100YR-24HR	11.26	-4.51	0.08	2.59	4.85	3.72
EX3S26_P02	100YR-24HR	4.13	0.00	0.05	4.82	17.87	11.35
EX3S27_SW01	100YR-24HR	1.19	0.00	0.02	3.18	15.22	9.20
EX3S28_SW01	100YR-24HR	4.21	0.00	-0.05	4.86	21.56	13.21
EX3S29_SW01	100YR-24HR	5.44	0.00	-1.12	5.46	7.31	6.39
EX3S30_CH3_3+A	100YR-24HR	3.10	0.00	-0.05	4.32	11.48	7.90
EX3S34_CH3_3+B	100YR-24HR	7.04	0.00	0.05	5.74	22.77	14.25
EX3S36_S49	100YR-24HR	4.05	0.00	0.05	4.78	5.37	5.08
EX3S37_SW01	100YR-24HR	6.80	0.00	0.25	5.54	5.54	5.54

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX3S38_S44	100YR-24HR	3.10	0.00	0.03	1.84	1.98	1.85
EX3S39_S40	100YR-24HR	11.19	0.00	0.00	9.12	9.12	9.12
EX3S40_S46	100YR-24HR	26.71	0.00	0.01	6.72	6.72	6.72
EX3S41_S42	100YR-24HR	2.63	0.00	0.00	3.26	2.36	2.80
EX3S42_P05B	100YR-24HR	15.22	0.00	-0.30	1.72	1.79	1.76
EX3S44_P05A	100YR-24HR	31.31	0.00	-3.32	3.09	3.09	3.09
EX3S45_P05A	100YR-24HR	5.28	0.00	0.39	4.30	4.30	4.30
EX3S46_S44	100YR-24HR	27.57	0.00	0.04	6.94	7.80	7.23
EX3S47_S45	100YR-24HR	2.68	0.00	-0.41	2.18	2.18	2.18
EX3S48_S49	100YR-24HR	5.03	0.00	0.05	5.26	8.22	6.74
EX3S49_P05B	100YR-24HR	10.59	0.00	-0.04	8.63	8.63	8.63
EX3S50_P05C	100YR-24HR	1.91	0.00	0.00	1.92	3.67	2.79
EX3S51_P05C	100YR-24HR	3.29	0.00	0.04	2.68	2.68	2.68
EX3S52_P05D	100YR-24HR	4.32	0.00	-0.34	3.52	3.52	3.52
EX3S53_S54	100YR-24HR	4.34	0.00	0.55	3.54	3.54	3.54
EX3S54_P05E	100YR-24HR	5.19	0.00	0.30	4.23	4.23	4.23
EX3S55_P04	100YR-24HR	4.81	0.00	-0.10	3.92	3.92	3.92
EX3S56_P04	100YR-24HR	8.55	0.00	0.22	6.97	6.97	6.97
EX3S57_S56	100YR-24HR	5.00	0.00	-0.05	4.17	5.26	4.66
EX3S58_S59	100YR-24HR	7.95	-0.67	0.02	4.50	4.50	4.50
EX3S59_S62+A	100YR-24HR	10.66	0.00	0.04	3.71	3.39	3.39
EX3S60_S59	100YR-24HR	5.87	0.00	0.01	4.78	5.30	4.84
EX3S61_S60	100YR-24HR	2.70	0.00	0.02	3.99	4.13	4.06
EX3S62+B_O01	100YR-24HR	16.84	-0.01	-0.75	5.36	5.36	5.36
EX3S63_S62+A	100YR-24HR	5.54	0.00	-0.84	4.52	4.52	4.52
EX3S64_S63	100YR-24HR	2.78	0.00	-0.03	3.40	4.15	3.68
EX3SWALECS301_3+C	100YR-24HR	5.11	-0.07	0.02	2.12	2.18	2.15
PONDCS304_S58	100YR-24HR	7.91	-0.57	0.01	4.48	4.48	4.48
CH3_1+D_S08	100YR-8HR	8.89	-0.11	0.00	2.81	2.81	2.81
CH3_1+SEC1	100YR-8HR	0.73	0.00	0.04	0.31	1.01	0.61
CH3_1+SEC2	100YR-8HR	2.46	-0.85	0.06	0.36	1.28	0.76
CH3_1+SEC3	100YR-8HR	5.01	-0.56	-0.11	0.33	-0.89	-0.45
CH3_2+D_S15	100YR-8HR	13.24	0.00	0.39	5.62	4.83	5.09
CH3_2+SEC1	100YR-8HR	11.68	0.00	-0.02	0.77	1.12	0.79
CH3_2+SEC2	100YR-8HR	11.52	0.00	-0.01	0.72	0.71	0.70
CH3_2+SEC3	100YR-8HR	12.07	-0.18	-0.01	0.69	0.73	0.71
CH3_2+SEC4	100YR-8HR	1.04	0.00	0.09	0.31	1.52	0.89
CH3_3+D_S42	100YR-8HR	8.42	0.00	-0.70	3.94	1.07	2.50
CH3_3+SEC1	100YR-8HR	1.58	-0.03	0.00	0.47	1.38	0.80

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CH3_3+SEC2	100YR-8HR	3.48	0.00	0.00	2.02	1.90	1.46
CH3_3+SEC3	100YR-8HR	3.42	-0.27	-0.02	0.62	0.81	0.70
CS3POND304_WEIR	100YR-8HR	3.09	0.00	0.00	1.18	1.18	1.18
CS3S62_WEIR1	100YR-8HR	7.21	0.00	0.40	1.95	1.95	1.95
CS3S62_WEIR2	100YR-8HR	0.27	-0.01	0.02	3.10	3.10	3.10
CSPOND305E_WEIR	100YR-8HR	45.27	0.00	0.03	2.65	2.65	2.65
CSSWALE301_WEIR	100YR-8HR	1.27	0.00	0.00	0.88	0.88	0.88
EX3P01_CH3_2+B	100YR-8HR	0.14	0.00	0.00	1.76	1.79	1.77
EX3P02_S20	100YR-8HR	0.54	-2.42	-0.07	-2.12	-3.95	-3.03
EX3P03_S25	100YR-8HR	6.31	-1.81	0.00	2.12	-2.84	2.12
EX3P05A_P05B	100YR-8HR	19.70	0.00	0.47	2.07	3.42	2.53
EX3P05B_P05C	100YR-8HR	34.88	-0.23	-0.33	2.35	2.39	2.37
EX3P05C_P05E	100YR-8HR	41.94	0.00	-0.36	2.88	2.99	2.93
EX3P05D_P05C	100YR-8HR	2.69	-0.24	0.05	0.85	0.85	0.85
EX3P05E_O02	100YR-8HR	45.27	-0.23	-3.02	4.70	4.70	4.70
EX3S01_CH3_1+A	100YR-8HR	1.22	0.00	0.02	3.20	14.88	9.04
EX3S03_CH3_1+B	100YR-8HR	1.58	0.00	-0.02	3.46	12.04	7.75
EX3S05_CH3_1+C	100YR-8HR	4.00	-10.49	-1.85	-2.37	-4.92	-3.65
EX3S08_CH3_2+A	100YR-8HR	10.13	-0.03	-0.01	3.21	3.21	3.21
EX3S13_CH3_2+A	100YR-8HR	3.38	0.00	-1.01	4.46	3.66	4.06
EX3S14_CH3_2+C	100YR-8HR	0.65	0.00	-0.02	2.68	4.82	3.75
EX3S15_P03	100YR-8HR	13.79	0.00	-4.16	6.18	6.79	6.48
EX3S16_CH3_2+E	100YR-8HR	1.35	0.00	0.03	1.30	1.59	1.26
EX3S18_S13	100YR-8HR	1.11	0.00	-0.49	1.89	1.20	1.38
EX3S19_P01	100YR-8HR	0.97	0.00	0.02	3.00	10.98	6.99
EX3S20_S14	100YR-8HR	0.61	-0.06	-0.02	2.47	2.08	2.25
EX3S21_P03	100YR-8HR	0.97	0.00	0.02	3.00	12.47	7.74
EX3S22_P03	100YR-8HR	0.93	0.00	0.02	2.97	13.43	8.20
EX3S23_P03	100YR-8HR	1.31	0.00	-0.19	3.26	3.85	3.55
EX3S24_S25	100YR-8HR	1.64	0.00	-0.19	3.19	2.95	2.98

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX3S25_CH3_3+D	100YR-8HR	6.46	-0.46	-0.02	2.16	4.09	3.12
EX3S26_P02	100YR-8HR	2.11	0.00	0.02	3.79	14.67	9.23
EX3S27_SW01	100YR-8HR	0.61	0.00	-0.02	2.64	0.00	1.32
EX3S28_SW01	100YR-8HR	2.15	0.00	-0.02	3.81	17.68	10.74
EX3S29_SW01	100YR-8HR	2.68	0.00	-0.40	4.09	6.10	5.10
EX3S30_CH3_3+A	100YR-8HR	1.58	0.00	-0.02	3.46	9.44	6.45
EX3S34_CH3_3+B	100YR-8HR	7.04	0.00	-0.04	5.74	22.77	14.25
EX3S36_S49	100YR-8HR	2.07	0.00	0.02	3.77	4.53	4.15
EX3S37_SW01	100YR-8HR	3.78	0.00	0.48	4.69	5.98	5.27
EX3S38_S44	100YR-8HR	1.61	0.00	0.01	1.81	2.96	2.33
EX3S39_S40	100YR-8HR	5.76	0.00	0.00	4.69	4.69	4.69
EX3S40_S46	100YR-8HR	13.75	0.00	0.01	3.46	3.82	3.64
EX3S41_S42	100YR-8HR	1.37	0.00	0.00	3.05	3.02	2.76
EX3S42_P05B	100YR-8HR	8.68	0.00	-0.26	1.14	2.18	1.60
EX3S44_P05A	100YR-8HR	16.14	0.00	-2.55	2.70	2.52	2.37
EX3S45_P05A	100YR-8HR	2.72	0.00	0.33	2.22	2.22	2.22
EX3S46_S44	100YR-8HR	14.19	0.00	-0.02	4.25	5.91	5.08
EX3S47_S45	100YR-8HR	1.37	0.00	-0.36	1.12	1.12	1.12
EX3S48_S49	100YR-8HR	2.49	0.00	-0.02	4.00	6.82	5.41
EX3S49_P05B	100YR-8HR	5.36	0.00	0.04	4.37	4.37	4.37
EX3S50_P05C	100YR-8HR	0.97	0.00	0.00	1.50	3.00	2.25
EX3S51_P05C	100YR-8HR	1.70	0.00	0.05	1.38	2.57	1.91
EX3S52_P05D	100YR-8HR	2.22	0.00	-0.11	2.98	7.24	5.11
EX3S53_S54	100YR-8HR	2.23	0.00	0.54	3.37	5.27	3.99
EX3S54_P05E	100YR-8HR	2.67	0.00	0.30	2.92	5.15	4.03
EX3S55_P04	100YR-8HR	2.45	0.00	-0.15	2.84	3.56	3.20
EX3S56_P04	100YR-8HR	5.00	0.00	0.48	5.25	6.94	6.09
EX3S57_S56	100YR-8HR	2.55	0.00	-0.02	4.04	4.26	4.15
EX3S58_S59	100YR-8HR	3.09	-0.12	0.01	2.64	3.37	3.00
EX3S59_S62+A	100YR-8HR	4.20	0.00	-0.02	3.71	1.74	2.72
EX3S60_S59	100YR-8HR	3.00	0.00	-0.14	3.21	4.26	3.73
EX3S61_S60	100YR-8HR	1.38	0.00	0.02	3.32	3.54	3.43
EX3S62+B_O01	100YR-8HR	7.42	-0.01	0.73	2.36	2.36	2.36
EX3S63_S62+A	100YR-8HR	2.84	0.00	-0.27	3.41	4.00	3.55
EX3S64_S63	100YR-8HR	1.44	0.00	-0.04	3.42	3.46	3.44
EX3SWALECS301_3+C	100YR-8HR	1.27	-0.29	0.01	1.13	-1.90	-1.19

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PONDCS304_S58	100YR-8HR	3.09	-0.11	0.01	2.72	2.64	2.68
CH3_1+D_S08	10YR-1HR	4.36	-0.80	0.01	1.64	-2.30	1.62
CH3_1+SEC1	10YR-1HR	1.46	0.00	0.00	0.46	1.67	0.98
CH3_1+SEC2	10YR-1HR	1.69	0.00	0.00	0.43	1.34	0.79
CH3_1+SEC3	10YR-1HR	2.80	-2.90	0.02	-0.59	-2.45	-1.51
CH3_2+D_S15	10YR-1HR	6.44	0.00	-0.07	4.08	3.72	3.90
CH3_2+SEC1	10YR-1HR	6.81	0.00	-0.01	0.80	2.21	1.38
CH3_2+SEC2	10YR-1HR	6.02	0.00	0.00	0.65	0.72	0.68
CH3_2+SEC3	10YR-1HR	6.01	-0.68	0.01	0.66	-0.77	0.71
CH3_2+SEC4	10YR-1HR	1.73	-0.01	0.02	0.55	2.03	1.22
CH3_3+D_S42	10YR-1HR	8.05	0.00	1.14	3.89	1.25	2.53
CH3_3+SEC1	10YR-1HR	2.06	-0.03	0.00	0.50	1.48	0.85
CH3_3+SEC2	10YR-1HR	4.57	0.00	0.00	2.15	1.90	1.75
CH3_3+SEC3	10YR-1HR	4.39	0.00	0.00	0.74	1.13	0.93
CS3POND304_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
CS3S62_WEIR1	10YR-1HR	8.39	0.00	0.00	2.21	2.21	2.21
CS3S62_WEIR2	10YR-1HR	0.35	0.00	0.00	4.14	4.14	4.14
CSPOND305E_WEIR	10YR-1HR	18.65	0.00	-0.02	1.97	1.97	1.97
CSSWALE301_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX3P01_CH3_2+B	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX3P02_S20	10YR-1HR	0.00	-2.92	0.00	-2.39	-4.23	-3.31
EX3P03_S25	10YR-1HR	0.00	-1.03	0.00	-1.01	-2.43	-1.72
EX3P05A_P05B	10YR-1HR	24.58	0.00	-0.33	3.05	5.63	4.27
EX3P05B_P05C	10YR-1HR	15.20	-1.71	-0.05	1.74	-2.10	1.82
EX3P05C_P05E	10YR-1HR	17.68	0.00	-0.06	2.22	3.10	2.59
EX3P05D_P05C	10YR-1HR	1.10	-1.27	0.02	1.20	1.37	1.28
EX3P05E_O02	10YR-1HR	18.65	-0.11	-2.36	1.94	1.94	1.94
EX3S01_CH3_1+A	10YR-1HR	1.62	0.00	-0.02	3.49	16.20	9.84
EX3S03_CH3_1+B	10YR-1HR	2.10	0.00	0.02	3.78	13.11	8.45
EX3S05_CH3_1+C	10YR-1HR	1.42	-10.49	-0.77	-2.37	-4.92	-3.65

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX3S08_CH3_2+A	10YR-1HR	5.28	-0.01	0.01	1.96	1.90	1.93
EX3S13_CH3_2+A	10YR-1HR	2.68	0.00	0.55	4.06	4.80	4.43
EX3S14_CH3_2+C	10YR-1HR	0.55	0.00	0.00	2.56	4.58	3.57
EX3S15_P03	10YR-1HR	6.62	0.00	0.03	4.75	5.66	5.20
EX3S16_CH3_2+E	10YR-1HR	1.81	0.00	-0.03	1.99	2.32	2.15
EX3S18_S13	10YR-1HR	0.97	0.00	-0.02	1.91	1.17	1.48
EX3S19_P01	10YR-1HR	1.29	0.00	-0.02	3.26	11.95	7.61
EX3S20_S14	10YR-1HR	0.00	-0.10	0.00	-0.38	-1.63	-1.00
EX3S21_P03	10YR-1HR	1.29	0.00	-0.02	3.26	13.57	8.42
EX3S22_P03	10YR-1HR	1.24	0.00	-0.02	3.22	14.63	8.92
EX3S23_P03	10YR-1HR	1.46	0.00	0.02	3.38	3.98	3.68
EX3S24_S25	10YR-1HR	1.99	0.00	0.14	3.31	3.45	3.08
EX3S25_CH3_3+D	10YR-1HR	1.18	0.00	0.01	1.46	2.23	1.68
EX3S26_P02	10YR-1HR	2.80	0.00	0.05	4.17	16.00	10.08
EX3S27_SW01	10YR-1HR	0.81	0.00	-0.02	2.85	13.54	8.19
EX3S28_SW01	10YR-1HR	2.86	0.00	-0.05	4.19	19.24	11.71
EX3S29_SW01	10YR-1HR	3.56	0.00	-0.05	4.54	6.58	5.56
EX3S30_CH3_3+A	10YR-1HR	2.10	0.00	-0.02	3.78	10.26	7.02
EX3S34_CH3_3+B	10YR-1HR	7.04	0.00	-0.04	5.74	22.77	14.25
EX3S36_S49	10YR-1HR	2.75	0.00	-0.02	4.14	4.89	4.51
EX3S37_SW01	10YR-1HR	4.69	0.00	0.29	5.09	6.22	5.65
EX3S38_S44	10YR-1HR	2.13	0.00	-0.01	2.14	3.56	2.82
EX3S39_S40	10YR-1HR	7.60	0.00	0.00	6.19	6.19	6.19
EX3S40_S46	10YR-1HR	18.14	0.00	-0.01	4.56	4.56	4.56
EX3S41_S42	10YR-1HR	1.71	0.00	-0.02	3.41	3.55	3.28
EX3S42_P05B	10YR-1HR	9.46	0.00	-0.09	1.96	3.62	2.66
EX3S44_P05A	10YR-1HR	21.20	0.00	2.69	4.26	3.98	3.91
EX3S45_P05A	10YR-1HR	2.91	0.00	-0.21	2.49	2.40	2.37
EX3S46_S44	10YR-1HR	18.73	0.00	0.03	4.77	6.61	5.69
EX3S47_S45	10YR-1HR	1.35	0.00	-0.18	2.06	1.10	1.43
EX3S48_S49	10YR-1HR	2.14	0.00	-0.02	3.81	6.54	5.17
EX3S49_P05B	10YR-1HR	5.96	0.00	-0.01	4.86	5.71	5.27
EX3S50_P05C	10YR-1HR	1.29	0.00	0.00	1.65	3.26	2.45
EX3S51_P05C	10YR-1HR	2.26	0.00	-0.01	2.10	3.88	2.97
EX3S52_P05D	10YR-1HR	3.66	0.00	-0.41	4.59	10.92	7.76
EX3S53_S54	10YR-1HR	3.76	0.00	0.53	4.64	7.73	5.89

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX3S54_P05E	10YR-1HR	5.06	0.00	-1.08	5.28	8.45	6.86
EX3S55_P04	10YR-1HR	3.10	0.00	-0.67	4.32	5.17	4.74
EX3S56_P04	10YR-1HR	5.90	0.00	-0.61	5.46	7.19	6.27
EX3S57_S56	10YR-1HR	3.39	0.00	-0.05	4.17	4.46	4.27
EX3S58_S59	10YR-1HR	0.07	-0.25	0.01	-0.42	-1.85	-1.13
EX3S59_S62+A	10YR-1HR	3.76	0.00	-0.03	3.46	1.52	2.49
EX3S60_S59	10YR-1HR	3.99	0.00	-0.02	3.59	4.77	4.18
EX3S61_S60	10YR-1HR	1.83	0.00	-0.02	3.62	3.82	3.72
EX3S62+B_O01	10YR-1HR	8.74	0.00	-0.72	2.78	2.78	2.78
EX3S63_S62+A	10YR-1HR	3.77	0.00	-0.04	3.48	4.66	4.07
EX3S64_S63	10YR-1HR	1.89	0.00	0.03	3.40	3.64	3.42
EX3SWALECS301_3+C	10YR-1HR	0.03	-1.08	0.02	-0.97	-2.65	-1.77
PONDCS304_S58	10YR-1HR	0.03	-0.24	0.00	-0.42	-1.99	-1.21
CH3_1+D_S08	10YR-24HR	8.27	0.00	0.00	2.62	2.62	2.62
CH3_1+SEC1	10YR-24HR	0.76	0.00	0.01	0.33	0.28	0.30
CH3_1+SEC2	10YR-24HR	2.54	-2.44	0.03	0.26	0.30	0.22
CH3_1+SEC3	10YR-24HR	5.12	-2.58	0.08	0.33	0.31	0.32
CH3_2+D_S15	10YR-24HR	12.28	0.00	0.39	5.63	4.68	5.11
CH3_2+SEC1	10YR-24HR	11.00	0.00	-0.01	0.84	0.93	0.88
CH3_2+SEC2	10YR-24HR	10.67	0.00	0.01	0.73	0.75	0.73
CH3_2+SEC3	10YR-24HR	11.31	-0.02	-0.01	0.70	0.76	0.73
CH3_2+SEC4	10YR-24HR	1.13	0.00	-0.05	0.22	0.44	0.29
CH3_3+D_S42	10YR-24HR	6.74	0.00	-0.28	3.16	0.70	1.87
CH3_3+SEC1	10YR-24HR	2.01	-0.03	0.00	0.50	1.43	0.83
CH3_3+SEC2	10YR-24HR	4.43	0.00	0.00	2.15	1.90	1.58
CH3_3+SEC3	10YR-24HR	4.15	-0.11	-0.01	0.65	0.77	0.71
CS3POND304_WEIR	10YR-24HR	0.82	0.00	0.00	0.76	0.76	0.76
CS3S62_WEIR1	10YR-24HR	9.34	0.00	0.41	1.31	1.31	1.31
CS3S62_WEIR2	10YR-24HR	0.14	-0.01	0.02	1.66	1.66	1.66
CSPOND305E_WEIR	10YR-24HR	48.15	0.00	-0.03	2.70	2.70	2.70
CSSWALE301_WEIR	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX3P01_CH3_2+B	10YR-24HR	0.01	0.00	0.00	0.00	0.00	0.00
EX3P02_S20	10YR-24HR	0.19	-3.14	0.03	-2.55	-4.34	-3.45

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX3P03_S25	10YR-24HR	3.14	-2.19	0.00	1.76	-3.00	-2.21
EX3P05A_P05B	10YR-24HR	24.47	0.00	0.40	2.52	2.69	2.60
EX3P05B_P05C	10YR-24HR	37.37	-0.01	-0.30	2.52	2.54	2.53
EX3P05C_P05E	10YR-24HR	44.76	0.00	-0.45	3.04	3.16	3.10
EX3P05D_P05C	10YR-24HR	2.78	-0.08	0.06	0.88	0.88	0.88
EX3P05E_O02	10YR-24HR	48.15	-0.21	3.09	5.00	5.00	5.00
EX3S01_CH3_1+A	10YR-24HR	1.57	0.00	0.02	3.46	16.07	9.76
EX3S03_CH3_1+B	10YR-24HR	2.05	0.00	0.02	3.75	13.00	8.38
EX3S05_CH3_1+C	10YR-24HR	4.45	-10.49	1.71	-2.37	-4.92	-3.65
EX3S08_CH3_2+A	10YR-24HR	9.37	0.00	0.00	2.97	2.97	2.97
EX3S13_CH3_2+A	10YR-24HR	2.59	0.00	-0.08	2.58	3.81	3.01
EX3S14_CH3_2+C	10YR-24HR	0.54	0.00	0.00	2.54	4.55	3.55
EX3S15_P03	10YR-24HR	12.62	0.00	-1.79	5.96	6.68	6.32
EX3S16_CH3_2+E	10YR-24HR	1.72	0.00	0.03	1.36	1.36	1.36
EX3S18_S13	10YR-24HR	0.93	0.00	-0.39	1.89	0.89	1.33
EX3S19_P01	10YR-24HR	1.26	0.00	-0.02	3.24	11.86	7.55
EX3S20_S14	10YR-24HR	0.20	-0.09	0.02	1.96	-1.61	1.76
EX3S21_P03	10YR-24HR	1.26	0.00	-0.02	3.24	13.47	8.35
EX3S22_P03	10YR-24HR	1.21	0.00	0.02	3.20	14.51	8.85
EX3S23_P03	10YR-24HR	1.67	0.00	-0.18	3.52	4.13	3.83
EX3S24_S25	10YR-24HR	2.32	0.00	-0.35	3.63	3.23	3.37
EX3S25_CH3_3+D	10YR-24HR	3.24	-0.72	0.03	1.76	3.34	2.55
EX3S26_P02	10YR-24HR	2.73	0.00	-0.02	4.13	15.83	9.98
EX3S27_SW01	10YR-24HR	0.79	0.00	-0.02	2.83	13.43	8.13
EX3S28_SW01	10YR-24HR	2.78	0.00	-0.05	4.17	19.19	11.68
EX3S29_SW01	10YR-24HR	3.46	0.00	-0.38	4.50	6.54	5.52
EX3S30_CH3_3+A	10YR-24HR	2.05	0.00	0.02	3.75	10.18	6.97
EX3S34_CH3_3+B	10YR-24HR	7.04	0.00	-0.04	5.74	22.77	14.25
EX3S36_S49	10YR-24HR	2.68	0.00	-0.02	4.10	4.85	4.48
EX3S37_SW0	10YR-24HR	4.48	0.00	-0.27	5.16	5.72	5.07

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
1							
EX3S38_S44	10YR-24HR	2.06	0.00	0.00	1.87	2.34	2.05
EX3S39_S40	10YR-24HR	7.40	0.00	0.00	6.03	6.03	6.03
EX3S40_S46	10YR-24HR	17.66	0.00	0.01	4.44	4.44	4.44
EX3S41_S42	10YR-24HR	1.75	0.00	0.00	3.18	2.76	2.80
EX3S42_P05B	10YR-24HR	9.96	0.00	0.17	1.03	1.04	1.04
EX3S44_P05A	10YR-24HR	20.63	0.00	-2.59	2.35	2.14	2.24
EX3S45_P05A	10YR-24HR	3.41	0.00	0.40	2.78	2.78	2.78
EX3S46_S44	10YR-24HR	18.23	0.00	-0.03	4.70	6.54	5.62
EX3S47_S45	10YR-24HR	1.71	0.00	0.38	1.39	1.39	1.39
EX3S48_S49	10YR-24HR	3.11	0.00	-0.05	4.32	7.25	5.79
EX3S49_P05B	10YR-24HR	6.78	0.00	-0.06	5.53	5.53	5.53
EX3S50_P05C	10YR-24HR	1.26	0.00	0.00	1.63	3.23	2.43
EX3S51_P05C	10YR-24HR	2.17	0.00	0.04	1.77	1.77	1.77
EX3S52_P05D	10YR-24HR	2.85	0.00	-0.27	2.32	2.32	2.32
EX3S53_S54	10YR-24HR	2.86	0.00	0.53	2.82	2.33	2.35
EX3S54_P05E	10YR-24HR	3.41	0.00	0.32	2.78	2.78	2.78
EX3S55_P04	10YR-24HR	3.87	0.00	-1.22	4.70	3.83	4.26
EX3S56_P04	10YR-24HR	5.66	0.00	-0.29	5.50	7.11	6.30
EX3S57_S56	10YR-24HR	3.30	0.00	-0.05	4.17	4.43	4.27
EX3S58_S59	10YR-24HR	0.82	-0.40	0.00	1.79	1.46	1.62
EX3S59_S62+A	10YR-24HR	3.85	0.00	0.05	2.58	1.25	1.91
EX3S60_S59	10YR-24HR	3.88	0.00	0.01	3.54	4.68	4.11
EX3S61_S60	10YR-24HR	1.78	0.00	0.02	3.59	3.80	3.70
EX3S62+B_O01	10YR-24HR	9.46	-0.03	0.74	3.01	3.01	3.01
EX3S63_S62+A	10YR-24HR	3.85	0.00	-0.85	4.69	3.82	4.25
EX3S64_S63	10YR-24HR	1.84	0.00	-0.03	3.40	3.62	3.42
EX3SWALECS301_3+C	10YR-24HR	0.03	-0.06	0.00	-0.21	-0.48	-0.30
PONDCS304_S58	10YR-24HR	0.82	-0.36	0.00	2.10	-2.21	1.94
CH3_1+D_S08	10YR-8HR	5.95	-0.08	0.01	1.91	1.91	1.91
CH3_1+SEC1	10YR-8HR	0.66	0.00	0.00	0.33	0.85	0.53
CH3_1+SEC2	10YR-8HR	1.50	0.00	-0.02	0.34	1.22	0.72
CH3_1+SEC3	10YR-8HR	3.19	-0.23	0.07	0.31	-0.67	-0.34
CH3_2+D_S15	10YR-8HR	9.05	0.00	0.07	4.26	4.13	4.19
CH3_2+SEC1	10YR-8HR	7.99	0.00	-0.01	0.73	1.10	0.74
CH3_2+SEC2	10YR-8HR	7.82	0.00	0.00	0.68	0.68	0.68
CH3_2+SEC3	10YR-8HR	8.29	-0.14	-0.01	0.68	0.75	0.72
CH3_2+SEC4	10YR-8HR	0.72	0.00	0.06	0.28	1.49	0.87
CH3_3+D_S42	10YR-8HR	4.38	0.00	0.62	3.29	0.69	1.97

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CH3_3+SEC1	10YR-8HR	1.12	-0.03	0.00	0.42	1.42	0.82
CH3_3+SEC2	10YR-8HR	2.46	0.00	0.00	1.84	1.90	1.36
CH3_3+SEC3	10YR-8HR	2.42	0.00	0.00	0.59	0.83	0.71
CS3POND304_WEIR	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
CS3S62_WEIR1	10YR-8HR	4.93	0.00	0.44	1.79	1.79	1.79
CS3S62_WEIR2	10YR-8HR	0.25	-0.01	0.02	2.97	2.97	2.97
CSPOND305E_WEIR	10YR-8HR	29.88	0.00	0.03	2.30	2.30	2.30
CSSWALE301_WEIR	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX3P01_CH3_2+B	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX3P02_S20	10YR-8HR	0.00	-1.68	0.05	-1.74	-3.53	-2.63
EX3P03_S25	10YR-8HR	1.50	-0.57	0.00	1.49	-2.08	1.45
EX3P05A_P05B	10YR-8HR	13.66	0.00	0.36	1.77	3.23	2.38
EX3P05B_P05C	10YR-8HR	23.37	-0.17	0.56	1.70	1.73	1.71
EX3P05C_P05E	10YR-8HR	27.84	0.00	-0.60	2.06	2.12	2.09
EX3P05D_P05C	10YR-8HR	1.70	-0.23	0.12	0.54	0.66	0.60
EX3P05E_O02	10YR-8HR	29.87	-0.21	-2.69	3.11	3.11	3.11
EX3S01_CH3_1+A	10YR-8HR	0.86	0.00	-0.02	2.90	13.41	8.16
EX3S03_CH3_1+B	10YR-8HR	1.12	0.00	0.02	3.13	10.87	7.00
EX3S05_CH3_1+C	10YR-8HR	2.83	-10.49	-1.87	-2.37	-4.92	-3.65
EX3S08_CH3_2+A	10YR-8HR	6.85	-0.02	0.00	2.20	2.21	2.20
EX3S13_CH3_2+A	10YR-8HR	2.03	0.00	-0.44	3.75	3.69	3.50
EX3S14_CH3_2+C	10YR-8HR	0.32	0.00	0.00	2.21	3.89	3.05
EX3S15_P03	10YR-8HR	9.31	0.00	-0.86	5.32	6.19	5.75
EX3S16_CH3_2+E	10YR-8HR	0.95	0.00	0.03	1.25	1.56	1.23
EX3S18_S13	10YR-8HR	0.75	0.00	0.16	1.89	1.16	1.47
EX3S19_P01	10YR-8HR	0.69	0.00	-0.02	2.72	9.90	6.31
EX3S20_S14	10YR-8HR	0.00	-0.03	0.00	-0.16	0.00	-0.08
EX3S21_P03	10YR-8HR	0.69	0.00	-0.02	2.73	11.24	6.98
EX3S22_P03	10YR-8HR	0.66	0.00	-0.02	2.69	12.10	7.40
EX3S23_P03	10YR-8HR	0.91	0.00	-0.08	2.94	3.47	3.21

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX3S24_S25	10YR-8HR	1.11	0.00	-0.10	2.88	2.69	2.70
EX3S25_CH3_3+D	10YR-8HR	1.51	0.00	0.00	1.42	2.70	2.05
EX3S26_P02	10YR-8HR	1.49	0.00	0.02	3.40	13.24	8.32
EX3S27_SW01	10YR-8HR	0.43	0.00	0.00	2.40	0.00	1.20
EX3S28_SW01	10YR-8HR	1.52	0.00	0.02	3.42	15.94	9.68
EX3S29_SW01	10YR-8HR	1.89	0.00	0.04	3.66	5.55	4.60
EX3S30_CH3_3+A	10YR-8HR	1.12	0.00	0.02	3.13	8.52	5.82
EX3S34_CH3_3+B	10YR-8HR	7.04	0.00	-0.04	5.74	22.77	14.25
EX3S36_S49	10YR-8HR	1.46	0.00	0.02	3.38	4.12	3.75
EX3S37_SW01	10YR-8HR	3.12	0.00	0.41	4.43	5.88	5.15
EX3S38_S44	10YR-8HR	1.14	0.00	0.00	1.74	2.95	2.32
EX3S39_S40	10YR-8HR	4.07	0.00	0.00	3.32	3.32	3.32
EX3S40_S46	10YR-8HR	9.72	0.00	0.01	2.52	3.30	2.91
EX3S41_S42	10YR-8HR	0.96	0.00	0.03	2.92	2.93	2.78
EX3S42_P05B	10YR-8HR	6.10	0.00	0.44	1.02	1.97	1.39
EX3S44_P05A	10YR-8HR	11.39	0.00	-2.49	2.56	2.49	2.29
EX3S45_P05A	10YR-8HR	1.87	0.00	0.34	1.52	1.52	1.52
EX3S46_S44	10YR-8HR	10.03	0.00	-0.01	3.82	5.23	4.52
EX3S47_S45	10YR-8HR	0.93	0.00	-0.36	0.77	0.75	0.75
EX3S48_S49	10YR-8HR	1.64	0.00	0.03	3.51	6.06	4.78
EX3S49_P05B	10YR-8HR	3.67	0.00	-0.03	2.99	2.99	2.99
EX3S50_P05C	10YR-8HR	0.69	0.00	0.00	1.34	2.72	2.03
EX3S51_P05C	10YR-8HR	1.19	0.00	-0.16	1.24	2.38	1.76
EX3S52_P05D	10YR-8HR	1.57	0.00	-0.09	2.78	6.67	4.72
EX3S53_S54	10YR-8HR	1.65	0.00	0.55	3.51	4.88	3.71
EX3S54_P05E	10YR-8HR	1.88	0.00	0.33	2.80	4.91	3.86
EX3S55_P04	10YR-8HR	1.72	0.00	-0.10	2.64	3.47	2.96
EX3S56_P04	10YR-8HR	3.22	0.00	0.11	4.37	6.24	5.30
EX3S57_S56	10YR-8HR	1.81	0.00	-0.02	3.61	3.89	3.75
EX3S58_S59	10YR-8HR	0.03	-0.03	0.00	0.14	-0.25	-0.16
EX3S59_S62+A	10YR-8HR	2.10	0.00	-0.03	2.83	0.93	1.88
EX3S60_S59	10YR-8HR	2.12	0.00	0.02	2.87	3.82	3.35
EX3S61_S60	10YR-8HR	0.98	0.00	0.02	3.00	3.21	3.11
EX3S62+B_O01	10YR-8HR	5.13	-0.01	0.73	1.63	1.63	1.63
EX3S63_S62+A	10YR-8HR	2.01	0.00	0.14	3.33	3.52	3.15
EX3S64_S63	10YR-8HR	1.00	0.00	0.02	3.03	3.08	3.06
EX3SWALECS	10YR-8HR	0.02	-0.22	0.01	-0.46	-1.76	-1.09

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
301_3+C							
PONDCS304_S58	10YR-8HR	0.00	-0.03	0.00	-0.08	0.00	-0.04
CH3_1+D_S08	25YR-72HR	9.90	0.00	-0.01	3.13	3.13	3.13
CH3_1+SEC1	25YR-72HR	0.82	-0.21	0.03	0.22	0.14	0.18
CH3_1+SEC2	25YR-72HR	2.97	-4.95	0.09	-0.27	-0.48	-0.37
CH3_1+SEC3	25YR-72HR	6.11	-4.20	-0.24	-0.27	-0.31	-0.29
CH3_2+D_S15	25YR-72HR	13.85	0.00	0.17	4.41	4.41	4.41
CH3_2+SEC1	25YR-72HR	13.18	0.00	-0.03	0.86	0.94	0.90
CH3_2+SEC2	25YR-72HR	12.17	0.00	-0.01	0.73	0.74	0.73
CH3_2+SEC3	25YR-72HR	13.41	-0.01	-0.04	0.63	0.70	0.67
CH3_2+SEC4	25YR-72HR	0.97	0.00	0.12	0.14	0.25	0.18
CH3_3+D_S42	25YR-72HR	18.80	0.00	-0.49	4.93	1.91	3.40
CH3_3+SEC1	25YR-72HR	2.20	-0.03	0.00	0.52	1.41	0.81
CH3_3+SEC2	25YR-72HR	4.83	0.00	0.00	2.20	1.90	1.58
CH3_3+SEC3	25YR-72HR	8.89	0.00	0.01	0.90	1.07	0.98
CS3POND304_WEIR	25YR-72HR	8.06	0.00	-0.01	1.60	1.60	1.60
CS3S62_WEIR1	25YR-72HR	17.00	0.00	0.42	1.37	1.37	1.37
CS3S62_WEIR2	25YR-72HR	0.14	0.00	0.02	1.60	1.60	1.60
CSPOND305E_WEIR	25YR-72HR	56.26	0.00	0.03	2.85	2.85	2.85
CSSWALE301_WEIR	25YR-72HR	6.91	0.00	0.01	1.55	1.55	1.55
EX3P01_CH3_2+B	25YR-72HR	0.65	0.00	-0.04	2.76	2.78	2.71
EX3P02_S20	25YR-72HR	1.14	-3.12	-0.14	-2.55	-2.63	-2.58
EX3P03_S25	25YR-72HR	10.43	-0.81	-0.02	2.47	2.49	2.48
EX3P05A_P05B	25YR-72HR	27.10	0.00	0.53	2.69	2.82	2.75
EX3P05B_P05C	25YR-72HR	44.38	-0.01	0.77	3.00	3.00	3.00
EX3P05C_P05E	25YR-72HR	52.44	0.00	-0.90	3.54	3.62	3.58
EX3P05D_P05C	25YR-72HR	3.13	-0.01	0.18	0.99	0.99	0.99
EX3P05E_O02	25YR-72HR	56.26	-0.18	-2.74	5.85	5.85	5.85
EX3S01_CH3_1+A	25YR-72HR	1.72	0.00	0.02	3.56	16.51	10.03
EX3S03_CH3_1+B	25YR-72HR	2.24	0.00	0.02	3.86	13.35	8.61
EX3S05_CH3	25YR-72HR	7.08	-10.49	-1.71	-2.37	-4.92	-3.65

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
_1+C							
EX3S08_CH3_2+A	25YR-72HR	11.30	0.00	-0.01	3.58	3.58	3.58
EX3S13_CH3_2+A	25YR-72HR	2.80	0.00	0.21	2.41	3.32	2.73
EX3S14_CH3_2+C	25YR-72HR	2.11	0.00	-0.33	3.79	5.65	4.39
EX3S15_P03	25YR-72HR	14.17	0.00	0.44	5.04	4.94	4.67
EX3S16_CH3_2+E	25YR-72HR	1.87	0.00	-0.02	1.48	1.48	1.48
EX3S18_S13	25YR-72HR	1.00	0.00	0.49	1.66	0.86	1.18
EX3S19_P01	25YR-72HR	1.38	0.00	0.02	3.32	12.18	7.75
EX3S20_S14	25YR-72HR	1.52	-0.08	-0.06	3.48	3.29	3.28
EX3S21_P03	25YR-72HR	1.38	0.00	0.02	3.32	13.45	8.34
EX3S22_P03	25YR-72HR	1.32	0.00	0.02	3.28	14.63	8.93
EX3S23_P03	25YR-72HR	1.83	0.00	-0.03	1.49	1.49	1.49
EX3S24_S25	25YR-72HR	2.36	0.00	-0.40	3.42	2.77	3.09
EX3S25_CH3_3+D	25YR-72HR	10.58	0.00	0.04	2.55	4.78	3.65
EX3S26_P02	25YR-72HR	2.99	0.00	-0.05	4.26	16.25	10.26
EX3S27_SW01	25YR-72HR	0.86	0.00	0.02	2.90	13.80	8.35
EX3S28_SW01	25YR-72HR	3.04	0.00	-0.05	4.29	19.60	11.94
EX3S29_SW01	25YR-72HR	4.38	0.00	-1.12	4.40	5.88	5.14
EX3S30_CH3_3+A	25YR-72HR	2.24	0.00	0.02	3.86	10.45	7.16
EX3S34_CH3_3+B	25YR-72HR	7.04	0.00	-0.04	5.74	22.77	14.25
EX3S36_S49	25YR-72HR	2.93	0.00	-0.05	4.23	4.97	4.60
EX3S37_SW01	25YR-72HR	4.92	0.00	0.02	4.01	4.01	4.01
EX3S38_S44	25YR-72HR	2.24	0.00	-0.07	1.85	2.13	1.96
EX3S39_S40	25YR-72HR	8.10	0.00	0.00	6.60	6.60	6.60
EX3S40_S46	25YR-72HR	19.33	0.00	0.01	4.86	4.86	4.86
EX3S41_S42	25YR-72HR	1.91	0.00	0.00	3.18	2.47	2.74
EX3S42_P05B	25YR-72HR	19.98	0.00	0.55	2.04	2.04	2.04
EX3S44_P05A	25YR-72HR	22.62	-0.03	3.29	2.38	2.25	2.31
EX3S45_P05A	25YR-72HR	3.84	0.00	0.35	3.13	3.13	3.13
EX3S46_S44	25YR-72HR	19.96	0.00	0.04	5.02	6.81	5.91
EX3S47_S45	25YR-72HR	1.96	0.00	0.33	1.60	1.60	1.60
EX3S48_S49	25YR-72HR	3.71	0.00	0.05	4.62	7.60	6.11
EX3S49_P05B	25YR-72HR	7.72	0.00	0.07	6.29	6.29	6.29
EX3S50_P05C	25YR-72HR	1.38	0.00	0.00	1.69	3.32	2.50
EX3S51_P05C	25YR-72HR	2.37	0.00	0.22	1.93	1.93	1.93
EX3S52_P05D	25YR-72HR	3.12	0.00	-0.09	2.54	2.54	2.54

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX3S53_S54	25YR-72HR	3.13	0.00	0.53	2.68	2.55	2.55
EX3S54_P05E	25YR-72HR	3.74	0.00	0.32	3.05	3.05	3.05
EX3S55_P04	25YR-72HR	3.52	0.00	-0.08	2.87	2.87	2.87
EX3S56_P04	25YR-72HR	6.22	0.00	-0.03	5.07	5.07	5.07
EX3S57_S56	25YR-72HR	3.62	0.00	-0.05	4.17	4.56	4.27
EX3S58_S59	25YR-72HR	8.12	-0.44	0.02	4.60	4.60	4.60
EX3S59_S62+A	25YR-72HR	10.84	0.00	0.02	3.73	3.45	3.45
EX3S60_S59	25YR-72HR	4.20	0.00	0.01	3.48	4.61	4.03
EX3S61_S60	25YR-72HR	1.95	0.00	0.02	3.70	3.89	3.79
EX3S62+B_O01	25YR-72HR	17.14	-0.07	0.75	5.45	5.45	5.45
EX3S63_S62+A	25YR-72HR	3.99	0.00	0.86	3.67	3.25	3.33
EX3S64_S63	25YR-72HR	2.01	0.00	0.03	3.40	3.72	3.42
EX3SWALECS301_3+C	25YR-72HR	6.92	-0.06	0.02	2.33	2.47	2.40
PONDCS304_S58	25YR-72HR	8.09	-0.39	0.02	4.58	4.58	4.58

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH3_1+A	100YR-1HR	5248	5313	-65
CH3_1+A	100YR-24HR	14595	14597	-2
CH3_1+A	100YR-8HR	10139	10161	-23
CH3_1+A	10YR-1HR	3565	3623	-58
CH3_1+A	10YR-24HR	9356	9363	-7
CH3_1+A	10YR-8HR	7095	7115	-20
CH3_1+A	25YR-72HR	13995	13996	-1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH3_1+B	100YR-1HR	12881	12442	440
CH3_1+B	100YR-24HR	43323	43053	270
CH3_1+B	100YR-8HR	24973	24554	420
CH3_1+B	10YR-1HR	8115	7694	421
CH3_1+B	10YR-24HR	24089	23861	228
CH3_1+B	10YR-8HR	16195	15805	390
CH3_1+B	25YR-72HR	39021	38822	199

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH3_1+C	100YR-1HR	24514	24339	175
CH3_1+C	100YR-24HR	98284	98157	126
CH3_1+C	100YR-8HR	51839	51609	231
CH3_1+C	10YR-1HR	12578	12388	191
CH3_1+C	10YR-24HR	50117	50050	67
CH3_1+C	10YR-8HR	29670	29564	106
CH3_1+C	25YR-72HR	88040	88001	38

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH3_1+D	100YR-1HR	41176	40996	180
CH3_1+D	100YR-24HR	174263	174246	17
CH3_1+D	100YR-8HR	102526	102485	42
CH3_1+D	10YR-1HR	20583	20402	182
CH3_1+D	10YR-24HR	93781	93766	15
CH3_1+D	10YR-8HR	59401	59375	26

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH3_1+D	25YR-72HR	163215	163197	18

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH3_2+A	100YR-1HR	50814	50881	-67
CH3_2+A	100YR-24HR	209191	209231	-40
CH3_2+A	100YR-8HR	132248	132273	-25
CH3_2+A	10YR-1HR	27572	27614	-42
CH3_2+A	10YR-24HR	118694	118720	-25
CH3_2+A	10YR-8HR	80034	80051	-17
CH3_2+A	25YR-72HR	200312	200347	-36

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH3_2+B	100YR-1HR	51965	52092	-127
CH3_2+B	100YR-24HR	237977	238274	-297
CH3_2+B	100YR-8HR	139564	139779	-215
CH3_2+B	10YR-1HR	27995	28074	-79
CH3_2+B	10YR-24HR	122631	122755	-124
CH3_2+B	10YR-8HR	82148	82236	-89
CH3_2+B	25YR-72HR	225850	226125	-275

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH3_2+C	100YR-1HR	56883	56294	589
CH3_2+C	100YR-24HR	301808	300982	827
CH3_2+C	100YR-8HR	166795	166006	789
CH3_2+C	10YR-1HR	30712	30214	497
CH3_2+C	10YR-24HR	143115	142480	635
CH3_2+C	10YR-8HR	89777	89242	536
CH3_2+C	25YR-72HR	286083	285297	786

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH3_2+D	100YR-1HR	63736	63596	140
CH3_2+D	100YR-24HR	326148	325993	155
CH3_2+D	100YR-8HR	182660	182497	163
CH3_2+D	10YR-1HR	34839	34713	126
CH3_2+D	10YR-24HR	157580	157448	131
CH3_2+D	10YR-8HR	100004	99882	122
CH3_2+D	25YR-72HR	309468	309318	150

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH3_2+E	100YR-1HR	5946	5963	-17
CH3_2+E	100YR-24HR	16216	16184	32
CH3_2+E	100YR-8HR	11484	11461	24
CH3_2+E	10YR-1HR	4040	4051	-10
CH3_2+E	10YR-24HR	10599	10570	29
CH3_2+E	10YR-8HR	8037	8021	16
CH3_2+E	25YR-72HR	15674	15641	34

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH3_3+A	100YR-1HR	6881	6860	21
CH3_3+A	100YR-24HR	18668	18667	0
CH3_3+A	100YR-8HR	13239	13234	5
CH3_3+A	10YR-1HR	4694	4676	18
CH3_3+A	10YR-24HR	12222	12218	3
CH3_3+A	10YR-8HR	9282	9277	5
CH3_3+A	25YR-72HR	18046	18045	1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH3_3+B	100YR-1HR	15379	15450	-72
CH3_3+B	100YR-24HR	41390	41458	-68
CH3_3+B	100YR-8HR	29415	29449	-33
CH3_3+B	10YR-1HR	10559	10612	-53
CH3_3+B	10YR-24HR	27173	27194	-21
CH3_3+B	10YR-8HR	20690	20706	-16
CH3_3+B	25YR-72HR	40018	40081	-63

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH3_3+C	100YR-1HR	15564	15487	77
CH3_3+C	100YR-24HR	103693	103599	94
CH3_3+C	100YR-8HR	38273	38208	66
CH3_3+C	10YR-1HR	10707	10639	68
CH3_3+C	10YR-24HR	27323	27284	39
CH3_3+C	10YR-8HR	20782	20742	40
CH3_3+C	25YR-72HR	96095	96000	95

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH3_3+D	100YR-1HR	22169	22188	-18
CH3_3+D	100YR-24HR	504002	503947	54
CH3_3+D	100YR-8HR	220927	220876	52
CH3_3+D	10YR-1HR	14294	14323	-29
CH3_3+D	10YR-24HR	175180	175131	49
CH3_3+D	10YR-8HR	78322	78290	32
CH3_3+D	25YR-72HR	465431	465379	52

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S01	100YR-1HR	5290	5248	42
EX3S01	100YR-24HR	14356	14314	42
EX3S01	100YR-8HR	10181	10139	42
EX3S01	10YR-1HR	3607	3565	42
EX3S01	10YR-24HR	9398	9356	42
EX3S01	10YR-8HR	7137	7095	42
EX3S01	25YR-72HR	13878	13836	42

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S03	100YR-1HR	6877	6679	198
EX3S03	100YR-24HR	18663	18465	198
EX3S03	100YR-8HR	13235	13037	198
EX3S03	10YR-1HR	4690	4492	198
EX3S03	10YR-24HR	12217	12019	198
EX3S03	10YR-8HR	9278	9080	198

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S03	25YR-72HR	18041	17843	198

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S05	100YR-1HR	7368	7146	222
EX3S05	100YR-24HR	45780	45687	93
EX3S05	100YR-8HR	26322	26235	87
EX3S05	10YR-1HR	2891	2673	217
EX3S05	10YR-24HR	22932	22770	162
EX3S05	10YR-8HR	13831	13628	203
EX3S05	25YR-72HR	43452	43306	147

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S08	100YR-1HR	42299	42291	7
EX3S08	100YR-24HR	185267	185264	3
EX3S08	100YR-8HR	115462	115458	4
EX3S08	10YR-1HR	21890	21884	6
EX3S08	10YR-24HR	103033	103031	2
EX3S08	10YR-8HR	68268	68266	2
EX3S08	25YR-72HR	177186	177182	3

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S13	100YR-1HR	8816	8816	0
EX3S13	100YR-24HR	23929	23927	2
EX3S13	100YR-8HR	16973	16977	-4
EX3S13	10YR-1HR	6012	6013	-1
EX3S13	10YR-24HR	15665	15663	2
EX3S13	10YR-8HR	11895	11901	-7
EX3S13	25YR-72HR	23130	23129	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S14	100YR-1HR	2116	2116	0
EX3S14	100YR-24HR	49126	49119	7
EX3S14	100YR-8HR	18269	18262	7
EX3S14	10YR-1HR	1443	1443	0
EX3S14	10YR-24HR	12831	12825	6
EX3S14	10YR-8HR	2855	2855	0
EX3S14	25YR-72HR	45510	45504	7

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S15	100YR-1HR	66275	66259	16
EX3S15	100YR-24HR	334490	334445	45
EX3S15	100YR-8HR	188369	188323	46
EX3S15	10YR-1HR	36450	36449	1
EX3S15	10YR-24HR	162982	162941	41
EX3S15	10YR-8HR	103952	103914	38
EX3S15	25YR-72HR	317563	317522	42

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S16	100YR-1HR	5945	5945	0
EX3S16	100YR-24HR	16218	16216	1
EX3S16	100YR-8HR	11486	11484	2
EX3S16	10YR-1HR	4040	4039	0
EX3S16	10YR-24HR	10599	10599	0
EX3S16	10YR-8HR	8037	8037	0
EX3S16	25YR-72HR	15676	15674	1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S18	100YR-1HR	3174	3174	0
EX3S18	100YR-24HR	8614	8616	-2
EX3S18	100YR-8HR	6108	6113	-5
EX3S18	10YR-1HR	2164	2164	0
EX3S18	10YR-24HR	5639	5641	-2
EX3S18	10YR-8HR	4282	4282	0
EX3S18	25YR-72HR	8327	8327	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S19	100YR-1HR	4232	4232	0
EX3S19	100YR-24HR	11485	11485	0
EX3S19	100YR-8HR	8145	8145	0
EX3S19	10YR-1HR	2886	2886	0
EX3S19	10YR-24HR	7518	7518	0
EX3S19	10YR-8HR	5709	5709	0
EX3S19	25YR-72HR	11102	11102	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S20	100YR-1HR	9570	9246	324
EX3S20	100YR-24HR	60911	60524	387
EX3S20	100YR-8HR	30334	29946	387
EX3S20	10YR-1HR	6220	5934	286
EX3S20	10YR-24HR	24488	24102	387
EX3S20	10YR-8HR	13002	12637	366
EX3S20	25YR-72HR	57997	57610	387

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S21	100YR-1HR	4232	4232	0
EX3S21	100YR-24HR	11485	11485	0
EX3S21	100YR-8HR	8145	8145	0
EX3S21	10YR-1HR	2886	2886	0
EX3S21	10YR-24HR	7518	7518	0
EX3S21	10YR-8HR	5709	5709	0
EX3S21	25YR-72HR	11102	11102	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S22	100YR-1HR	4055	4055	0
EX3S22	100YR-24HR	11006	11006	0
EX3S22	100YR-8HR	7805	7805	0
EX3S22	10YR-1HR	2766	2766	0
EX3S22	10YR-24HR	7205	7205	0
EX3S22	10YR-8HR	5472	5472	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S22	25YR-72HR	10640	10640	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S23	100YR-1HR	4918	4589	329
EX3S23	100YR-24HR	14740	14394	346
EX3S23	100YR-8HR	10176	9829	348
EX3S23	10YR-1HR	3095	2827	268
EX3S23	10YR-24HR	9323	8978	345
EX3S23	10YR-8HR	6868	6524	344
EX3S23	25YR-72HR	14217	13870	347

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S24	100YR-1HR	6524	6196	328
EX3S24	100YR-24HR	17706	17367	339
EX3S24	100YR-8HR	12556	12218	338
EX3S24	10YR-1HR	4449	4121	328
EX3S24	10YR-24HR	11591	11258	332
EX3S24	10YR-8HR	8802	8467	335
EX3S24	25YR-72HR	17116	16783	333

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S25	100YR-1HR	6422	6429	-8
EX3S25	100YR-24HR	380947	380808	139
EX3S25	100YR-8HR	170410	170343	67
EX3S25	10YR-1HR	4121	4127	-6
EX3S25	10YR-24HR	136885	136843	41
EX3S25	10YR-8HR	51029	51002	28
EX3S25	25YR-72HR	339048	339004	44

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S26	100YR-1HR	9169	9169	0
EX3S26	100YR-24HR	24884	24884	0
EX3S26	100YR-8HR	17646	17646	0
EX3S26	10YR-1HR	6253	6252	0
EX3S26	10YR-24HR	16290	16290	0
EX3S26	10YR-8HR	12370	12371	0
EX3S26	25YR-72HR	24055	24055	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S27	100YR-1HR	2645	2645	0
EX3S27	100YR-24HR	7178	7178	0
EX3S27	100YR-8HR	5090	5090	0
EX3S27	10YR-1HR	1804	1804	0
EX3S27	10YR-24HR	4699	4699	0
EX3S27	10YR-8HR	3568	3568	0
EX3S27	25YR-72HR	6939	6939	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S28	100YR-1HR	9345	9345	0
EX3S28	100YR-24HR	25363	25363	0
EX3S28	100YR-8HR	17986	17986	0
EX3S28	10YR-1HR	6373	6373	0
EX3S28	10YR-24HR	16603	16603	0
EX3S28	10YR-8HR	12608	12608	0
EX3S28	25YR-72HR	24517	24517	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S29	100YR-1HR	11637	11637	0
EX3S29	100YR-24HR	31584	31404	180
EX3S29	100YR-8HR	22397	22218	179
EX3S29	10YR-1HR	7936	7936	0
EX3S29	10YR-24HR	20684	20508	176
EX3S29	10YR-8HR	15707	15627	80
EX3S29	25YR-72HR	30531	30372	159

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S30	100YR-1HR	6877	6877	0
EX3S30	100YR-24HR	18663	18663	0
EX3S30	100YR-8HR	13235	13235	0
EX3S30	10YR-1HR	4690	4689	0
EX3S30	10YR-24HR	12217	12217	0
EX3S30	10YR-8HR	9278	9278	0
EX3S30	25YR-72HR	18041	18041	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S34	100YR-1HR	8287	8518	-231
EX3S34	100YR-24HR	22492	22723	-231
EX3S34	100YR-8HR	15950	16181	-231
EX3S34	10YR-1HR	5651	5883	-231
EX3S34	10YR-24HR	14723	14955	-231
EX3S34	10YR-8HR	11181	11412	-231
EX3S34	25YR-72HR	21742	21973	-231

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S36	100YR-1HR	8993	8992	0
EX3S36	100YR-24HR	24406	24406	0
EX3S36	100YR-8HR	17307	17307	0
EX3S36	10YR-1HR	6132	6132	0
EX3S36	10YR-24HR	15976	15976	0
EX3S36	10YR-8HR	12133	12133	0
EX3S36	25YR-72HR	23592	23592	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S37	100YR-1HR	15344	14879	464
EX3S37	100YR-24HR	41633	40983	650
EX3S37	100YR-8HR	29524	28876	649
EX3S37	10YR-1HR	10462	10082	380
EX3S37	10YR-24HR	27260	26613	647
EX3S37	10YR-8HR	20699	20149	550

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S37	25YR-72HR	40246	39596	650

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S38	100YR-1HR	7053	7008	45
EX3S38	100YR-24HR	19142	19137	5
EX3S38	100YR-8HR	13574	13559	15
EX3S38	10YR-1HR	4810	4769	41
EX3S38	10YR-24HR	12530	12525	6
EX3S38	10YR-8HR	9516	9492	23
EX3S38	25YR-72HR	18504	18504	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S39	100YR-1HR	25038	25015	23
EX3S39	100YR-24HR	67953	67931	23
EX3S39	100YR-8HR	48188	48166	23
EX3S39	10YR-1HR	17075	17051	23
EX3S39	10YR-24HR	44483	44461	23
EX3S39	10YR-8HR	33781	33759	22
EX3S39	25YR-72HR	65688	65665	23

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S40	100YR-1HR	59751	59677	74
EX3S40	100YR-24HR	162204	162161	43
EX3S40	100YR-8HR	115019	114984	35
EX3S40	10YR-1HR	40740	40673	66
EX3S40	10YR-24HR	106173	106135	38
EX3S40	10YR-8HR	80624	80598	25
EX3S40	25YR-72HR	156796	156758	38

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S41	100YR-1HR	5628	5232	396
EX3S41	100YR-24HR	15878	15536	342
EX3S41	100YR-8HR	11152	10803	349
EX3S41	10YR-1HR	3737	3364	374
EX3S41	10YR-24HR	10266	9924	343
EX3S41	10YR-8HR	7711	7355	356
EX3S41	25YR-72HR	15336	14996	339

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S42	100YR-1HR	32285	31663	623
EX3S42	100YR-24HR	527069	526460	609
EX3S42	100YR-8HR	241242	240618	625
EX3S42	10YR-1HR	21047	20427	620
EX3S42	10YR-24HR	193669	193056	613
EX3S42	10YR-8HR	92620	91998	622
EX3S42	25YR-72HR	494299	493695	604

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S44	100YR-1HR	69968	69750	218
EX3S44	100YR-24HR	190793	190683	111
EX3S44	100YR-8HR	135181	134914	267
EX3S44	10YR-1HR	47600	47356	244
EX3S44	10YR-24HR	124834	124602	233
EX3S44	10YR-8HR	94669	94391	278
EX3S44	25YR-72HR	184465	184306	160

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S45	100YR-1HR	9937	9791	147
EX3S45	100YR-24HR	30743	30561	182
EX3S45	100YR-8HR	21067	20907	160
EX3S45	10YR-1HR	6211	6064	147
EX3S45	10YR-24HR	19268	19115	153
EX3S45	10YR-8HR	14082	13933	149
EX3S45	25YR-72HR	29623	29439	184

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S46	100YR-1HR	61617	61366	251
EX3S46	100YR-24HR	167425	167349	75
EX3S46	100YR-8HR	118717	118568	148
EX3S46	10YR-1HR	41996	41743	253
EX3S46	10YR-24HR	109581	109490	91
EX3S46	10YR-8HR	83215	83035	180
EX3S46	25YR-72HR	161847	161798	49

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S47	100YR-1HR	4701	4588	113
EX3S47	100YR-24HR	15277	15196	81
EX3S47	100YR-8HR	10344	10237	107
EX3S47	10YR-1HR	2844	2731	113
EX3S47	10YR-24HR	9425	9320	105
EX3S47	10YR-8HR	6794	6679	115
EX3S47	25YR-72HR	14709	14617	92

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S48	100YR-1HR	7672	7672	0
EX3S48	100YR-24HR	27220	27220	0
EX3S48	100YR-8HR	18035	18035	0
EX3S48	10YR-1HR	4386	4386	0
EX3S48	10YR-24HR	16336	16336	0
EX3S48	10YR-8HR	11497	11497	0
EX3S48	25YR-72HR	26160	26160	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S49	100YR-1HR	20195	19999	196
EX3S49	100YR-24HR	61196	61013	183
EX3S49	100YR-8HR	42130	41947	183
EX3S49	10YR-1HR	12928	12741	187
EX3S49	10YR-24HR	38577	38396	181
EX3S49	10YR-8HR	28388	28206	182

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S49	25YR-72HR	59004	58820	184

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S50	100YR-1HR	4232	4232	0
EX3S50	100YR-24HR	11485	11485	0
EX3S50	100YR-8HR	8145	8145	0
EX3S50	10YR-1HR	2886	2886	0
EX3S50	10YR-24HR	7518	7518	0
EX3S50	10YR-8HR	5709	5709	0
EX3S50	25YR-72HR	11102	11102	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S51	100YR-1HR	7412	7298	113
EX3S51	100YR-24HR	20101	19986	115
EX3S51	100YR-8HR	14254	14139	115
EX3S51	10YR-1HR	5060	4947	113
EX3S51	10YR-24HR	13161	13046	114
EX3S51	10YR-8HR	9995	9880	114
EX3S51	25YR-72HR	19431	19316	115

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S52	100YR-1HR	9703	9559	144
EX3S52	100YR-24HR	26320	26173	147
EX3S52	100YR-8HR	18665	18516	149
EX3S52	10YR-1HR	6618	6471	147
EX3S52	10YR-24HR	17229	17082	147
EX3S52	10YR-8HR	13084	12936	148
EX3S52	25YR-72HR	25443	25295	148

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S53	100YR-1HR	9712	9687	25
EX3S53	100YR-24HR	26320	26351	-31
EX3S53	100YR-8HR	18665	18679	-15
EX3S53	10YR-1HR	6625	6599	25
EX3S53	10YR-24HR	17229	17213	16
EX3S53	10YR-8HR	13084	13057	27
EX3S53	25YR-72HR	25443	25439	4

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S54	100YR-1HR	11642	11494	148
EX3S54	100YR-24HR	31615	31396	219
EX3S54	100YR-8HR	22412	22209	204
EX3S54	10YR-1HR	7934	7788	146
EX3S54	10YR-24HR	20659	20498	161
EX3S54	10YR-8HR	15674	15525	149
EX3S54	25YR-72HR	30527	30356	171

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S55	100YR-1HR	10168	9828	340
EX3S55	100YR-24HR	28837	28414	423
EX3S55	100YR-8HR	20223	19799	424
EX3S55	10YR-1HR	6726	6464	262
EX3S55	10YR-24HR	18609	18172	437
EX3S55	10YR-8HR	13959	13542	416
EX3S55	25YR-72HR	27850	27426	424

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S56	100YR-1HR	19228	19103	125
EX3S56	100YR-24HR	52166	51957	209
EX3S56	100YR-8HR	36994	36787	207
EX3S56	10YR-1HR	13108	13056	52
EX3S56	10YR-24HR	34149	33943	206
EX3S56	10YR-8HR	25938	25736	202
EX3S56	25YR-72HR	50428	50219	209

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S57	100YR-1HR	11108	11108	0
EX3S57	100YR-24HR	30148	30148	0
EX3S57	100YR-8HR	21379	21379	0
EX3S57	10YR-1HR	7575	7575	0
EX3S57	10YR-24HR	19735	19735	0
EX3S57	10YR-8HR	14987	14987	0
EX3S57	25YR-72HR	29143	29143	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S58	100YR-1HR	383	363	20
EX3S58	100YR-24HR	50017	50000	17
EX3S58	100YR-8HR	20047	20040	7
EX3S58	10YR-1HR	281	268	13
EX3S58	10YR-24HR	14709	14693	16
EX3S58	10YR-8HR	106	106	0
EX3S58	25YR-72HR	46282	46268	14

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S59	100YR-1HR	13128	13073	55
EX3S59	100YR-24HR	85077	85037	39
EX3S59	100YR-8HR	44901	44853	49
EX3S59	10YR-1HR	8908	8853	55
EX3S59	10YR-24HR	37592	37542	51
EX3S59	10YR-8HR	17559	17510	50
EX3S59	25YR-72HR	80258	80213	45

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S60	100YR-1HR	13048	12944	104
EX3S60	100YR-24HR	35412	35308	104
EX3S60	100YR-8HR	25112	25009	104
EX3S60	10YR-1HR	8898	8794	104
EX3S60	10YR-24HR	23181	23077	104
EX3S60	10YR-8HR	17604	17500	104

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S60	25YR-72HR	34232	34128	104

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S61	100YR-1HR	5995	5995	0
EX3S61	100YR-24HR	16270	16270	0
EX3S61	100YR-8HR	11538	11538	0
EX3S61	10YR-1HR	4088	4088	0
EX3S61	10YR-24HR	10651	10651	0
EX3S61	10YR-8HR	8088	8088	0
EX3S61	25YR-72HR	15728	15728	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S63	100YR-1HR	12343	12309	34
EX3S63	100YR-24HR	33498	33468	30
EX3S63	100YR-8HR	23755	23721	34
EX3S63	10YR-1HR	8417	8383	34
EX3S63	10YR-24HR	21928	21915	13
EX3S63	10YR-8HR	16653	16613	40
EX3S63	25YR-72HR	32381	32348	34

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S64	100YR-1HR	6171	6171	0
EX3S64	100YR-24HR	16749	16749	0
EX3S64	100YR-8HR	11877	11877	0
EX3S64	10YR-1HR	4209	4208	0
EX3S64	10YR-24HR	10964	10964	0
EX3S64	10YR-8HR	8326	8326	0
EX3S64	25YR-72HR	16191	16191	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS3S62+A	100YR-1HR	29717	29749	-32
EXCS3S62+A	100YR-24HR	135413	135424	-11
EXCS3S62+A	100YR-8HR	79719	79701	18
EXCS3S62+A	10YR-1HR	19555	19587	-32
EXCS3S62+A	10YR-24HR	69403	69410	-7
EXCS3S62+A	10YR-8HR	41144	41140	4
EXCS3S62+A	25YR-72HR	128981	129004	-24

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS3S62+B	100YR-1HR	29763	29767	-4
EXCS3S62+B	100YR-24HR	135446	135539	-93
EXCS3S62+B	100YR-8HR	79727	79695	32
EXCS3S62+B	10YR-1HR	19587	19589	-2
EXCS3S62+B	10YR-24HR	69442	69446	-4
EXCS3S62+B	10YR-8HR	41175	41135	39
EXCS3S62+B	25YR-72HR	129015	128953	62

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
O301	100YR-1HR	29752	14	29738
O301	100YR-24HR	135526	23	135504
O301	100YR-8HR	79680	27	79654
O301	10YR-1HR	19589	0	19589
O301	10YR-24HR	69428	32	69395
O301	10YR-8HR	41115	35	41080
O301	25YR-72HR	128948	10	128938

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
O302	100YR-1HR	114757	16	114742
O302	100YR-24HR	913877	92	913785
O302	100YR-8HR	485998	46	485952
O302	10YR-1HR	49727	13	49714
O302	10YR-24HR	412472	108	412365
O302	10YR-8HR	235695	52	235643
O302	25YR-72HR	866707	69	866638

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND301	100YR-1HR	9437	0	9437
POND301	100YR-24HR	45308	21414	23894
POND301	100YR-8HR	27034	3165	23869
POND301	10YR-1HR	4831	0	4831
POND301	10YR-24HR	23947	333	23614
POND301	10YR-8HR	15533	0	15533
POND301	25YR-72HR	42432	18554	23878

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND301EX	100YR-1HR	18659	0	18659
POND301EX	100YR-24HR	98543	0	98543
POND301EX	100YR-8HR	58967	0	58967
POND301EX	10YR-1HR	8108	0	8108
POND301EX	10YR-24HR	51930	0	51930
POND301EX	10YR-8HR	32672	0	32672
POND301EX	25YR-72HR	93874	0	93874

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND302	100YR-1HR	23086	8	23078
POND302	100YR-24HR	73629	33771	39858
POND302	100YR-8HR	51205	11266	39938
POND302	10YR-1HR	13832	3	13828
POND302	10YR-24HR	46742	6996	39746
POND302	10YR-8HR	34066	9	34058
POND302	25YR-72HR	71656	31834	39823

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND303	100YR-1HR	96232	40	96192
POND303	100YR-24HR	464435	356760	107675
POND303	100YR-8HR	265993	157705	108288
POND303	10YR-1HR	51620	0	51620
POND303	10YR-24HR	231403	124953	106451
POND303	10YR-8HR	148245	42562	105683

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND303	25YR-72HR	429651	322266	107386

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND304	100YR-1HR	30912	21	30891
POND304	100YR-24HR	93771	49444	44328
POND304	100YR-8HR	64136	19805	44331
POND304	10YR-1HR	20217	13	20205
POND304	10YR-24HR	58653	14340	44313
POND304	10YR-8HR	43120	16	43104
POND304	25YR-72HR	90344	46019	44325

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND305A	100YR-1HR	82175	78699	3476
POND305A	100YR-24HR	232503	228910	3592
POND305A	100YR-8HR	162942	159462	3481
POND305A	10YR-1HR	54751	51284	3467
POND305A	10YR-24HR	150084	146591	3493
POND305A	10YR-8HR	112583	109128	3455
POND305A	25YR-72HR	224522	221003	3519

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND305B	100YR-1HR	139307	98405	40902
POND305B	100YR-24HR	849986	808634	41352
POND305B	100YR-8HR	463652	422265	41387
POND305B	10YR-1HR	89358	48457	40901
POND305B	10YR-24HR	397272	356011	41261
POND305B	10YR-8HR	242477	201248	41229
POND305B	25YR-72HR	805670	764331	41339

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND305C	100YR-1HR	122292	118660	3632
POND305C	100YR-24HR	892597	888911	3686
POND305C	100YR-8HR	478185	474499	3686
POND305C	10YR-1HR	62237	58605	3632
POND305C	10YR-24HR	406756	403078	3678
POND305C	10YR-8HR	237097	233424	3673
POND305C	25YR-72HR	845118	841433	3685

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND305D	100YR-1HR	11691	6587	5104
POND305D	100YR-24HR	34275	29119	5156
POND305D	100YR-8HR	23814	18655	5159
POND305D	10YR-1HR	8018	2917	5101
POND305D	10YR-24HR	21882	16735	5147
POND305D	10YR-8HR	16274	11134	5140
POND305D	25YR-72HR	33122	27969	5154

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND305E	100YR-1HR	130968	114725	16243
POND305E	100YR-24HR	929815	913421	16395
POND305E	100YR-8HR	502080	485667	16413
POND305E	10YR-1HR	65929	49682	16247
POND305E	10YR-24HR	428403	412026	16378
POND305E	10YR-8HR	251711	235348	16363
POND305E	25YR-72HR	880817	864414	16403

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PONDCS304	100YR-1HR	179	55	124
PONDCS304	100YR-24HR	49669	49545	125
PONDCS304	100YR-8HR	19946	19822	125
PONDCS304	10YR-1HR	154	30	124
PONDCS304	10YR-24HR	14513	14388	124
PONDCS304	10YR-8HR	47	0	47
PONDCS304	25YR-72HR	46149	46025	125

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PONDCS305E	100YR-1HR	114724	114757	-33
PONDCS305E	100YR-24HR	913513	913877	-364
PONDCS305E	100YR-8HR	485713	485998	-286
PONDCS305E	10YR-1HR	49683	49727	-44
PONDCS305E	10YR-24HR	412133	412472	-339
PONDCS305E	10YR-8HR	235401	235695	-294
PONDCS305E	25YR-72HR	864482	866707	-2224

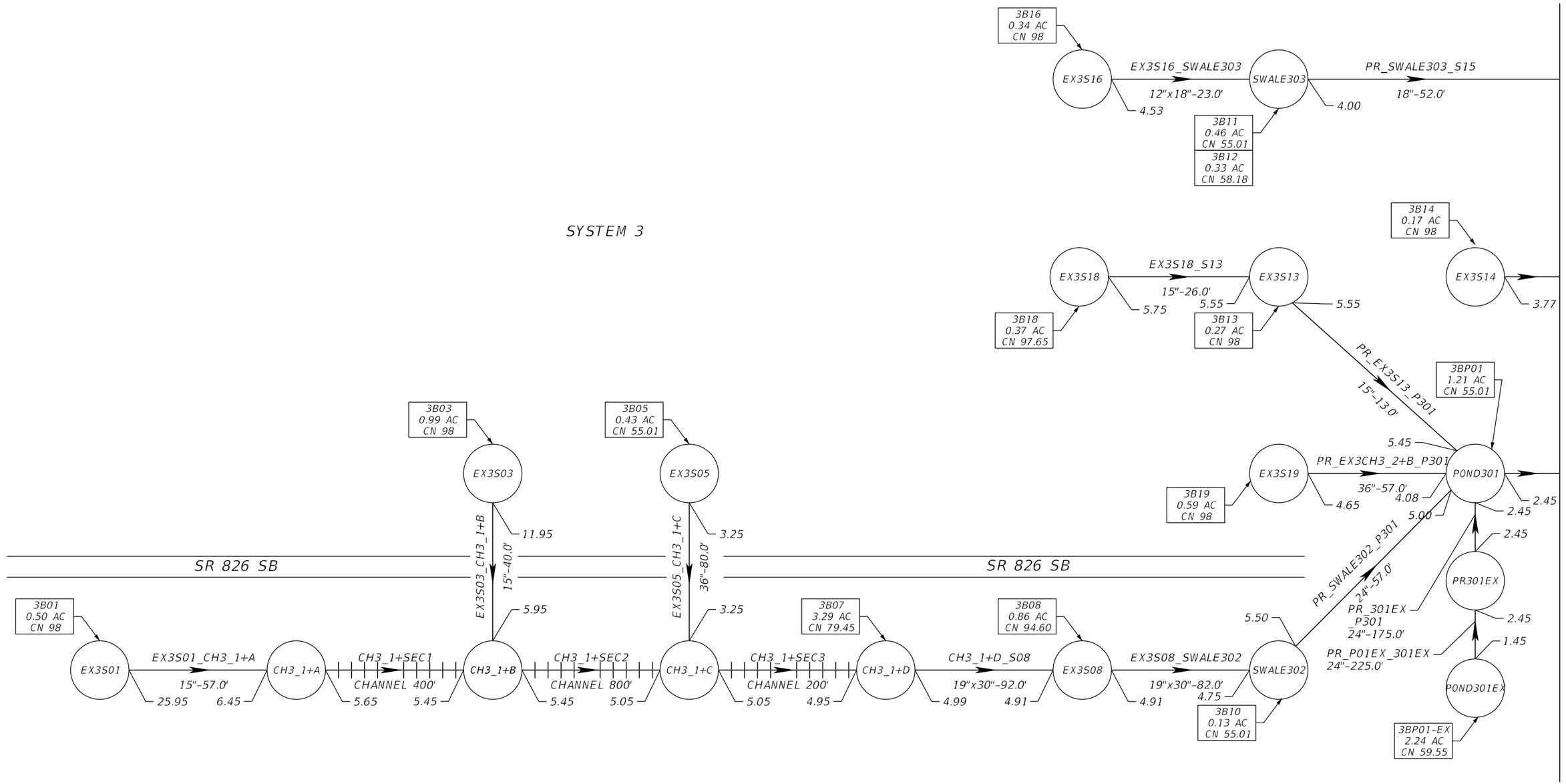
Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE301	100YR-1HR	46168	3	46165
SWALE301	100YR-24HR	156759	62072	94687
SWALE301	100YR-8HR	103376	8667	94709
SWALE301	10YR-1HR	28893	1	28892
SWALE301	10YR-24HR	93715	15	93700
SWALE301	10YR-8HR	66810	8	66801
SWALE301	25YR-72HR	150544	55895	94649

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALECS301	100YR-1HR	424	118	306
SWALECS301	100YR-24HR	62538	62229	309
SWALECS301	100YR-8HR	9080	8770	310
SWALECS301	10YR-1HR	406	99	306
SWALECS301	10YR-24HR	427	119	308
SWALECS301	10YR-8HR	388	80	308
SWALECS301	25YR-72HR	56327	56019	309

SYSTEM 3



LEGEND

B-### #.## AC CN ##.# — CONTRIBUTING BASIN, BASIN NAME, BASIN AREA, CURVE NUMBER	NODE NAME — BOUNDARY NODE WITH CONSTANT TAILWATER	###-### ##"-###' #.## #.## — EXFILTRATION TRENCH LINK WITH SIZE-LENGTH INVERT ELEVATION	####_WEIR VERTICAL TYPE EL. #.##, ## — WEIR LINK WITH WEIR TYPE ELEVATION, WIDTH	###### CHANNEL ###' #.## #.## — CHANNEL LINK WITH LENGTH INVERT ELEVATION
#-### — NODE NAME	PATRICIA LAKE — BOUNDARY NODE WITH VARIABLE TAILWATER	###-### (#)##"-###' #.## #.## — PIPE LINK WITH (QUANTITY)SIZE-LENGTH INVERT ELEVATION	##_## — RATING CURVE LINK	

N.T.S.

1 OF 5

MATCHLINE A-A

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

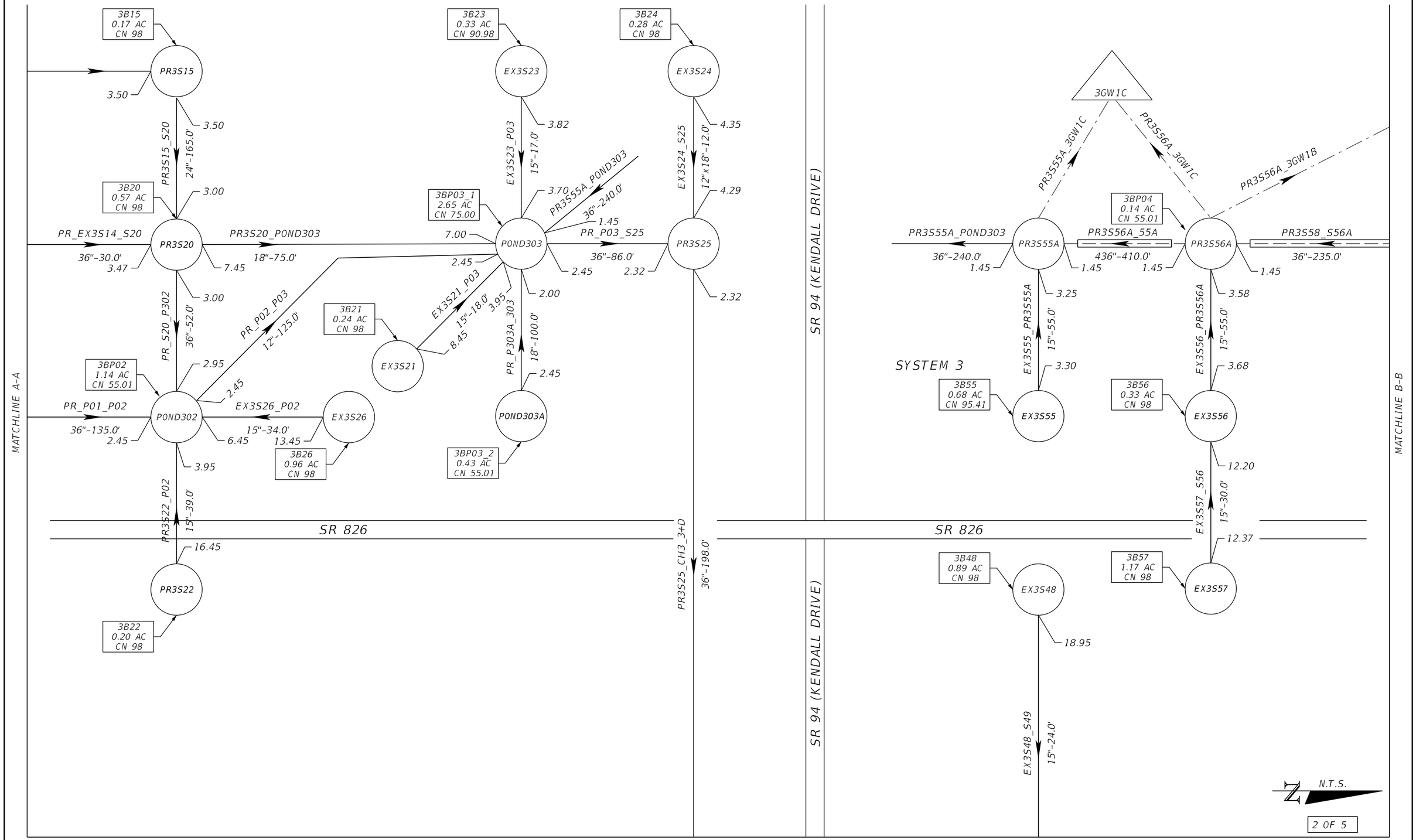
AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 9A	MIAMI-DADE	437053-4-52-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-1



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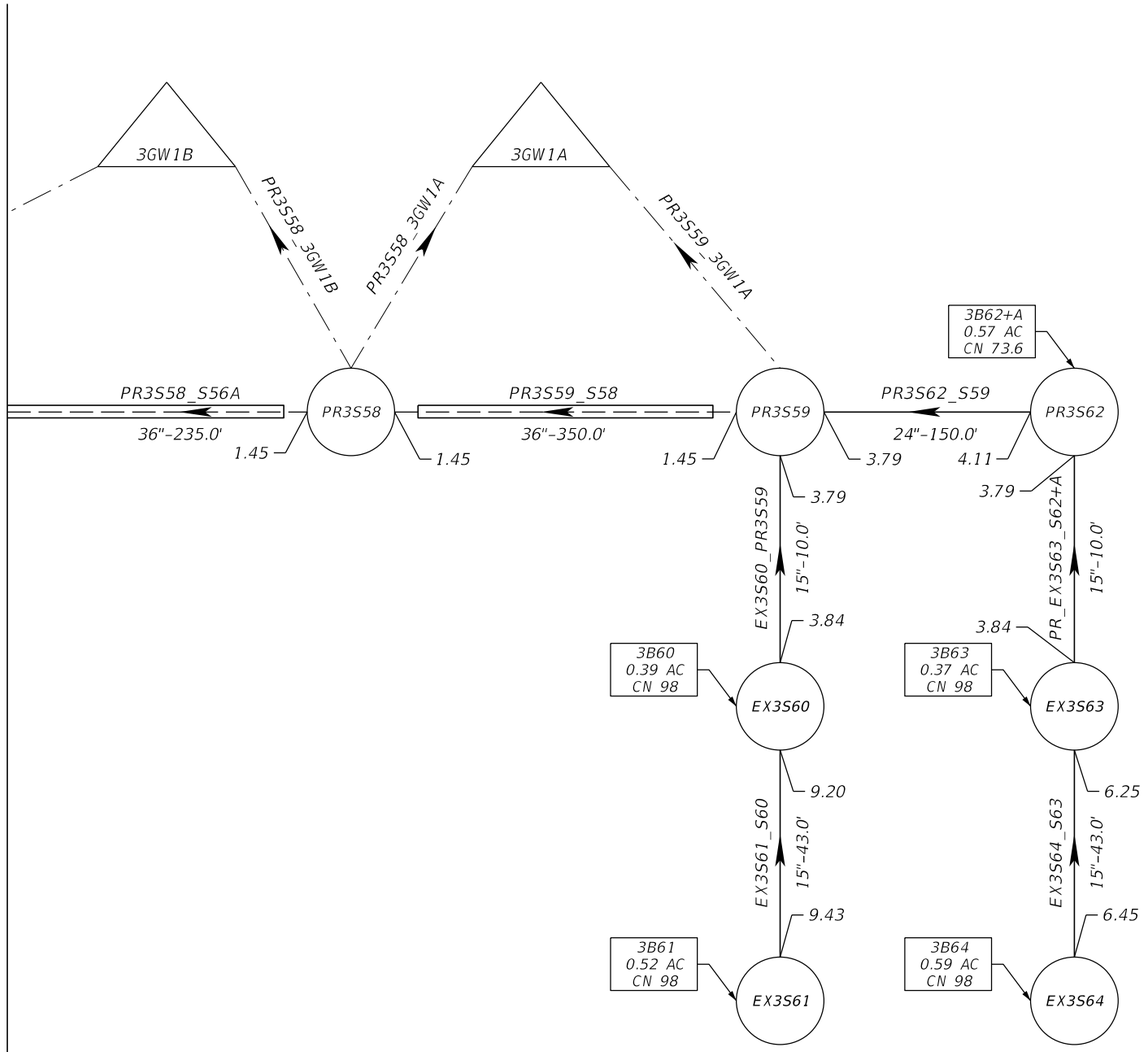
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 9A	MIAMI-DADE	437053-4-52-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-2



MATCHLINE B-B

SYSTEM 3

N.T.S.

3 OF 5

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SR 9A	MIAMI-DADE	437053-4-52-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-3

MATCHLINE C-C

SYSTEM 3

SR 94 (KENDALL DRIVE)

SR 826

3B30 0.81 AC CN 98
EX3S30
EX3S30_CH3_3+A 15"-10.0'
16.20
15.45
CH3_3+A
7.09
CH3_3+SEC1 CHANNEL 280'

3B34 0.78 AC CN 98
EX3S34
EX3S34_CH3_3+B 15"-34.0'
16.95
7.95
CH3_3+B
6.95
CH3_3+SEC2 CHANNEL 280'

CH3_3+C
4.15
CH3_3+SEC3 CHANNEL 200'

SWALECS301_3+C 30"-75.0'
4.03
4.16
SWALECS301

CSSWALE301_WEIR HORIZONTAL TYPE EL. 7.2, 6.5

3BSW-01 2.63 AC CN 58.4

EX3S29
EX3S29_SW01 15"-11.0'
5.61
5.45
3B29 0.46 AC CN 98

SWALE301
EX3S28_SW01 15"-45.0'
6.00
EX3S27_SW01 15"-70.0'
7.45

EX3S28
21.50
3B28 0.45 AC CN 98

EX3S27
33.45
3B27 0.15 AC CN 98

EX3S37_SW01 15"-67.0'
3.95
4.65
3B37 0.75 AC CN 98
EX3S37

PR3S25_CH3_3+D 36"-198.0'
2.02
3B32 1.05 AC CN 60.44
CH3_3+D
4.05
PR_CH3_3+D_S42 36"-144.0'
2.02

3B41 0.35 AC CN 95.53
EX3S41
EX3S41_S42 15"-166.0'
4.45
3.85
PR3S42
1.80
3B42 0.14 AC CN 98
1.80

PR3S42_PR305A 36"-52.0'

3B49 0.25 AC CN 98
18.45
EX3S49
EX3S49_P05B 15"-3.5'
2.45
2.45

3B36 0.47 AC CN 98
EX3S36
EX3S36_S49 15"-167.0'
19.75
18.45

3BP05B 0.75 AC CN 77.1
2.45
SWALE305B
2.45
PR305D_SWALE305B 18"-100.0'
SWALE305B_PR305C 36"-50.0'
2.45

3BP05A 0.32 AC CN 80.16
1.72
PR305A
2.45
EX3S44_PR305A 34"x53"-94.0'
1.72

3B45 0.32 AC CN 92.88
EX3S45
EX3S45_P05A 15"-41.0'
2.65
2.45
EX3S47_S45 15"-54.0'
2.65

PR305A_PR305A1 36"-160.0'

3B38 0.40 AC CN 98
EX3S38
EX3S38_S44 18"-145.0'
4.00
3.85

3B44 0.10 AC CN 98
EX3S44
2.75
6.20
PR3S46_S44 36"-110.0'
2.75
3.03

3B46 0.11 AC CN 98

3B39 1.42 AC CN 98
PR3S39
PR3S39_S40 24"-40.0'
4.94
4.54

3B40 1.97 AC CN 98
PR3S40
PR3S40_S46 36"-605.0'
4.54
3.03

PR305A1_3GW2
1.45
PR305A1
1.48
EX3S50_PR305A1 15"-35.0'
6.00
6.20
3B50 0.20 AC CN 98
EX3S50

N.T.S.

4 OF 5

MATCHLINE D-D

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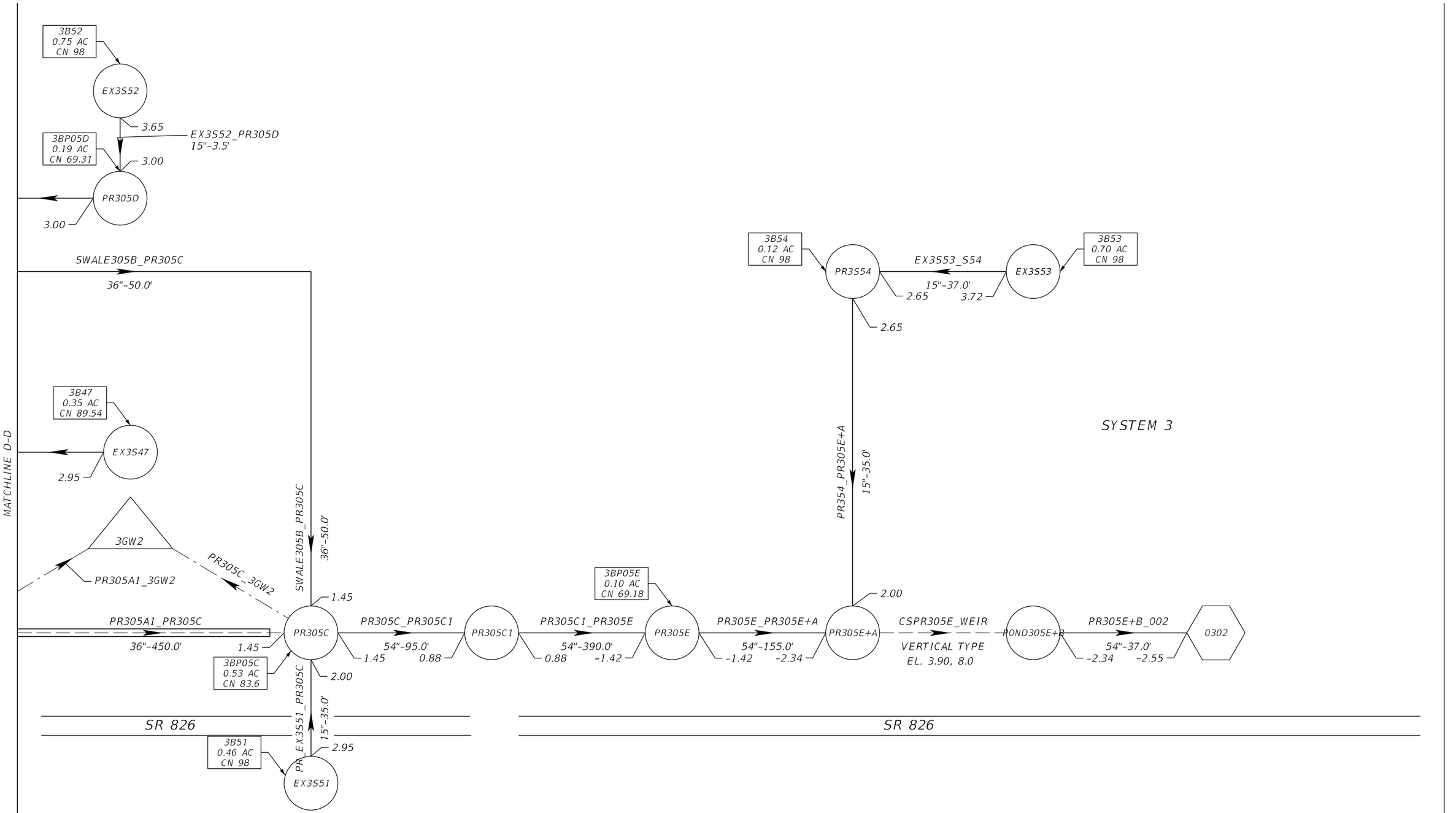
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 9A	MIAMI-DADE	437053-4-52-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-4



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MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 9A	MIAMI-DADE	437053-4-52-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-5

Simple Basin: 3B01

Scenario:	Scenario1
Node:	EX3S01
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B03

Scenario:	Scenario1
Node:	EX3S03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B05

Scenario:	Scenario1
Node:	EX3S05
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4300 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B07

Scenario:	Scenario1
Node:	CH3_1+D
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.2900 ac
Curve Number:	79.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B08

Scenario:	Scenario1
Node:	EX3S08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8600 ac
Curve Number:	94.6
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B10

Scenario:	Scenario1
Node:	SWALE302
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1300 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B11

Scenario:	Scenario1
Node:	SWALE303
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4600 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B12

Scenario:	Scenario1
Node:	SWALE303
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3300 ac
Curve Number:	58.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B13

Scenario:	Scenario1
Node:	EX3S13
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B14

Scenario:	Scenario1
Node:	EX3S14
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B15

Scenario:	Scenario1
Node:	PR3S15
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B16

Scenario:	Scenario1
Node:	EX3S16
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3400 ac
Curve Number:	97.7
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B18

Scenario:	Scenario1
Node:	EX3S18
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B19

Scenario:	Scenario1
Node:	EX3S19
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B20

Scenario:	Scenario1
Node:	PR3S20
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B21

Scenario:	Scenario1
Node:	EX3S21
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B22

Scenario:	Scenario1
Node:	PR3S22
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B23

Scenario:	Scenario1
Node:	EX3S23
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3300 ac
Curve Number:	91.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B24

Scenario:	Scenario1
Node:	EX3S24
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B26

Scenario:	Scenario1
Node:	EX3S26
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B27

Scenario:	Scenario1
Node:	EX3S27
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B28

Scenario:	Scenario1
Node:	EX3S28
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B29

Scenario:	Scenario1
Node:	EX3S29
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B30

Scenario:	Scenario1
Node:	EX3S30
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B32

Scenario:	Scenario1
Node:	CH3_3+D
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0500 ac
Curve Number:	60.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B34

Scenario:	Scenario1
Node:	EX3S34
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B36

Scenario:	Scenario1
Node:	EX3S36
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B37

Scenario:	Scenario1
Node:	EX3S37
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B38

Scenario:	Scenario1
Node:	EX3S38
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B39

Scenario:	Scenario1
Node:	PR3S39
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.4200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B40

Scenario:	Scenario1
Node:	PR3S40
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.9700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B41

Scenario:	Scenario1
Node:	EX3S41
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3500 ac
Curve Number:	95.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B42

Scenario:	Scenario1
Node:	PR3S42
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B44

Scenario:	Scenario1
Node:	EX3S44
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B45

Scenario:	Scenario1
Node:	EX3S45
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3200 ac
Curve Number:	92.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B46

Scenario:	Scenario1
Node:	PR3S46
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B47

Scenario:	Scenario1
Node:	EX3S47
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3500 ac
Curve Number:	89.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B48

Scenario:	Scenario1
Node:	EX3S48
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B49

Scenario:	Scenario1
Node:	EX3S49
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B50

Scenario:	Scenario1
Node:	EX3S50
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B51

Scenario:	Scenario1
Node:	EX3S51
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B52

Scenario:	Scenario1
Node:	EX3S52
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B53

Scenario:	Scenario1
Node:	EX3S53
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B54

Scenario:	Scenario1
Node:	PR3S54
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B55

Scenario:	Scenario1
Node:	EX3S55
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6800 ac
Curve Number:	95.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B56

Scenario:	Scenario1
Node:	EX3S56
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B57

Scenario:	Scenario1
Node:	EX3S57
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B60

Scenario:	Scenario1
Node:	EX3S60
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B61

Scenario:	Scenario1
Node:	EX3S61
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B62+A

Scenario:	Scenario1
Node:	PR3S62
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5700 ac
Curve Number:	73.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B63

Scenario:	Scenario1
Node:	EX3S63
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3B64

Scenario:	Scenario1
Node:	EX3S64
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3BP01

Scenario:	Scenario1
Node:	POND301
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2100 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3BP01-EX

Scenario:	Scenario1
Node:	POND301EX
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2400 ac
Curve Number:	59.6
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3BP02

Scenario:	Scenario1
Node:	POND302
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1400 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3BP03_1

Scenario:	Scenario1
Node:	POND303
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.6500 ac
Curve Number:	75.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3BP03_2

Scenario:	Scenario1
Node:	POND303A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4300 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3BP04

Scenario:	Scenario1
Node:	PR3S56A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1500 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3BP05A

Scenario:	Scenario1
Node:	PR305A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3200 ac
Curve Number:	80.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3BP05B

Scenario:	Scenario1
Node:	SWALE305B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7500 ac
Curve Number:	77.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3BP05C

Scenario:	Scenario1
Node:	PR305C
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5300 ac
Curve Number:	83.6
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3BP05D

Scenario:	Scenario1
Node:	PR305D
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1900 ac
Curve Number:	69.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3BP05E

Scenario:	Scenario1
Node:	PR305E
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1000 ac
Curve Number:	69.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 3BSW-01

Scenario:	Scenario1
Node:	SWALE301
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.6200 ac
Curve Number:	58.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Node: 3GW1A

Scenario:	Scenario1
Type:	Time/Stage
Base Flow:	0.00 cfs
Initial Stage:	1.45 ft
Warning Stage:	2.45 ft
Boundary Stage:	3GW1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	96.0000	1.45

Comment:

Node: 3GW1B

Scenario:	Scenario1
Type:	Time/Stage
Base Flow:	0.00 cfs
Initial Stage:	1.45 ft
Warning Stage:	2.45 ft
Boundary Stage:	3GW1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	96.0000	1.45

Comment:

Node: 3GW1C

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 2.45 ft
Boundary Stage: 3GW1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	96.0000	1.45

Comment:

Node: 3GW2

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 2.45 ft
Boundary Stage: 3WG2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	96.0000	1.45

Comment:

Node: CH3_1+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.65 ft
Warning Stage: 7.65 ft

Stage [ft]	Area [ac]	Area [ft2]
5.65	0.0003	13
7.65	0.0003	13

Comment: Channel Node

PREVIOUSLY EX3S02

Node: CH3_1+B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.45 ft
Warning Stage: 7.45 ft

Stage [ft]	Area [ac]	Area [ft2]
5.45	0.0003	13
7.45	0.0003	13

Comment: Channel Node

PREVIOUSLY EX3S04

Node: CH3_1+C

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.05 ft
Warning Stage: 7.05 ft

Stage [ft]	Area [ac]	Area [ft2]
5.05	0.0003	13
7.05	0.0003	13
7.06	0.0030	131

Comment: S-27

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PREVIOUSLY EX3S06

Node: CH3_1+D

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.95 ft
Warning Stage: 6.95 ft

Stage [ft]	Area [ac]	Area [ft2]
4.95	0.0003	13
6.95	0.0003	13
6.96	0.0030	131

Comment: S-28

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PREVIOUSLY EX3S07

Node: CH3_3+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.09 ft
Warning Stage: 17.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.09	0.0003	13
17.00	0.0003	13

Comment: Channel Node

PREVIOUSLY EX3S31

Node: CH3_3+B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.95 ft
Warning Stage: 8.95 ft

Stage [ft]	Area [ac]	Area [ft2]
6.95	0.0003	13
8.95	0.0003	13

Comment: Channel Node

PREVIOUSLY EX3S35

Node: CH3_3+C

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.15 ft
Warning Stage: 6.53 ft

Stage [ft]	Area [ac]	Area [ft2]
4.15	0.0003	13
6.53	0.0003	13

Comment: Channel Node

PREVIOUSLY EX3S33

Node: CH3_3+D

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.02 ft
Warning Stage: 6.59 ft

Stage [ft]	Area [ac]	Area [ft2]
2.02	0.0003	13
6.59	0.0003	13

Comment: S-47 ENDWALL

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PREVIOUSLY EX3S32

Node: EX3S01

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.58 ft
Warning Stage: 32.59 ft

Stage [ft]	Area [ac]	Area [ft2]
25.58	0.0003	13
32.59	0.0003	13
32.60	0.0030	131

Comment: S-25

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S03

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.20 ft
Warning Stage: 15.34 ft

Stage [ft]	Area [ac]	Area [ft2]
10.20	0.0003	13
15.34	0.0003	13
15.35	0.0030	131

Comment: S-26

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S05

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.25 ft
Warning Stage: 6.25 ft

Stage [ft]	Area [ac]	Area [ft2]
3.25	0.0003	13
6.25	0.0003	13

Comment: upstream node for Ex 36" (upstream of S-27)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S08

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.91 ft
Warning Stage: 7.45 ft

Stage [ft]	Area [ac]	Area [ft2]
4.91	0.0003	13
7.45	0.0003	13
7.46	0.0030	131

Comment: S-28A

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S13

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.55 ft
Warning Stage: 9.07 ft

Stage [ft]	Area [ac]	Area [ft2]
5.55	0.0003	13
9.07	0.0003	13
9.08	0.0030	131

Comment: S-29

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S14

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.77 ft
Warning Stage: 18.44 ft

Stage [ft]	Area [ac]	Area [ft2]
3.77	0.0003	13
18.44	0.0003	13
18.45	0.0030	131

Comment: S-34

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S16

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.53 ft
Warning Stage: 6.66 ft

Stage [ft]	Area [ac]	Area [ft2]
4.53	0.0003	13
6.66	0.0003	13
6.67	0.0030	131

Comment: S-41

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S18

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.75 ft
Warning Stage: 10.97 ft

Stage [ft]	Area [ac]	Area [ft2]
5.75	0.0003	13
10.97	0.0003	13
10.98	0.0030	131

Comment: S-30

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S19

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.45 ft
Warning Stage: 15.47 ft

Stage [ft]	Area [ac]	Area [ft2]
10.45	0.0003	13
15.47	0.0003	13
15.48	0.0030	131

Comment: S-31

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S21

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.45 ft
Warning Stage: 12.13 ft

Stage [ft]	Area [ac]	Area [ft2]
8.45	0.0003	13
12.13	0.0003	13
12.14	0.0030	131

Comment: S-38

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S23

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 6.64 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.05	0.0003	13
6.64	0.0003	13
6.65	0.0030	131

Comment: S-42

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S24

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 6.66 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.05	0.0003	13
6.66	0.0003	13
6.67	0.0030	131

Comment: S-44

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S26

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.45 ft
Warning Stage: 22.75 ft

Stage [ft]	Area [ac]	Area [ft2]
13.45	0.0003	13
22.75	0.0003	13
22.76	0.0030	131

Comment: S-32

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S27

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 33.45 ft
Warning Stage: 38.30 ft

Stage [ft]	Area [ac]	Area [ft2]
33.45	0.0003	13
38.30	0.0003	13
38.31	0.0030	131

Comment: S-18

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S28

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 21.50 ft
Warning Stage: 26.50 ft

Stage [ft]	Area [ac]	Area [ft2]
21.50	0.0003	13
26.50	0.0003	13
26.51	0.0030	131

Comment: Not labeled in plan set (State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S29

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.61 ft
Warning Stage: 10.76 ft

Stage [ft]	Area [ac]	Area [ft2]
5.61	0.0003	13
10.76	0.0003	13
10.77	0.0030	131

Comment: S-22

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S30

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.20 ft
Warning Stage: 20.28 ft

Stage [ft]	Area [ac]	Area [ft2]
16.20	0.0003	13
20.28	0.0003	13
20.29	0.0030	131

Comment: S-21

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S34

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.95 ft
Warning Stage: 23.94 ft

Stage [ft]	Area [ac]	Area [ft2]
16.95	0.0003	13
23.94	0.0003	13
23.95	0.0030	131

Comment: S-23

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S36

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 19.75 ft
Warning Stage: 26.70 ft

Stage [ft]	Area [ac]	Area [ft2]
19.75	0.0003	13
26.70	0.0003	13
26.71	0.0030	131

Comment: S-53A

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S37

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.69 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.05	0.0003	13
7.69	0.0003	13
7.70	0.0030	131

Comment: S-50

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S38

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.00 ft
Warning Stage: 7.90 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.0003	13
7.90	0.0003	13
7.91	0.0030	131

Comment: S-48C

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S41

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.12 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.05	0.0003	13
7.12	0.0003	13
7.13	0.0030	131

Comment: S-45

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S44

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.75 ft
Warning Stage: 9.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.75	0.0003	13
9.00	0.0003	13
9.01	0.0030	131

Comment: S-48B

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S45

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.65 ft
Warning Stage: 7.17 ft

Stage [ft]	Area [ac]	Area [ft2]
2.65	0.0003	13
7.17	0.0003	13
7.18	0.0030	131

Comment: S-48H

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S47

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.95 ft
Warning Stage: 6.91 ft

Stage [ft]	Area [ac]	Area [ft2]
2.95	0.0003	13
6.91	0.0003	13
6.92	0.0030	131

Comment: S-48G

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S48

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 18.95 ft
Warning Stage: 24.29 ft

Stage [ft]	Area [ac]	Area [ft2]
18.95	0.0003	13
24.29	0.0003	13
24.30	0.0030	131

Comment: S-53

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S49

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.45 ft
Warning Stage: 23.99 ft

Stage [ft]	Area [ac]	Area [ft2]
2.45	0.0003	13
23.99	0.0003	13
24.00	0.0030	131

Comment: S-52

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S50

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.20 ft
Warning Stage: 11.17 ft

Stage [ft]	Area [ac]	Area [ft2]
6.20	0.0003	13
11.17	0.0003	13
11.18	0.0030	131

Comment: S-51

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S51

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.95 ft
Warning Stage: 22.52 ft

Stage [ft]	Area [ac]	Area [ft2]
2.95	0.0003	13
22.52	0.0003	13
22.53	0.0030	131

Comment: S-51B

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S52

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.65 ft
Warning Stage: 16.29 ft

Stage [ft]	Area [ac]	Area [ft2]
2.65	0.0003	13
16.29	0.0003	13
16.30	0.0030	131

Comment: S-56

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S53

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.72 ft
Warning Stage: 11.17 ft

Stage [ft]	Area [ac]	Area [ft2]
3.72	0.0003	13
11.17	0.0003	13
11.18	0.0030	131

Comment: S-58

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S55

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 6.60 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
6.60	0.0003	13
6.61	0.0030	131

Comment: S-49

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S56

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.35 ft
Warning Stage: 16.14 ft

Stage [ft]	Area [ac]	Area [ft2]
3.35	0.0003	13
16.14	0.0003	13
16.15	0.0030	131

Comment: S-54

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S57

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.37 ft
Warning Stage: 22.64 ft

Stage [ft]	Area [ac]	Area [ft2]
12.37	0.0003	13
22.64	0.0003	13
22.65	0.0030	131

Comment: S-55

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S60

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 13.19 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
13.19	0.0003	13
13.20	0.0030	131

Comment: S-64

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S61

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.43 ft
Warning Stage: 15.60 ft

Stage [ft]	Area [ac]	Area [ft2]
9.43	0.0003	13
15.60	0.0003	13
15.61	0.0030	131

Comment: S-65

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S63

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 11.60 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
11.60	0.0003	13
11.61	0.0030	131

Comment: S-61

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX3S64

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.45 ft
Warning Stage: 11.45 ft

Stage [ft]	Area [ac]	Area [ft2]
6.45	0.0003	13
11.45	0.0003	13
11.46	0.0030	131

Comment: S-62

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: O302

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 3.45 ft
Boundary Stage: SNAPPER CREEK

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	96.0000	1.45

Comment: Snapper Creek canal normal highwater = 1.45'

Node: POND301

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.45 ft
Warning Stage: 8.45 ft

Stage [ft]	Area [ac]	Area [ft2]
2.45	0.3200	13939
3.45	0.3500	15246
3.90	0.3700	16117
4.45	0.3900	16988
5.45	0.4300	18731
6.45	0.4700	20473
7.45	0.5100	22216
8.45	0.5600	24394

Comment: Permit No. 13-00791-S
Pond 4A Stage-Area

Pond regraded.

Node: POND301EX

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 8.50 ft

Stage [ft]	Area [ac]	Area [ft2]
1.45	0.3800	16553
2.00	0.4100	17860
3.00	0.4600	20038
3.90	0.5000	21780
4.00	0.5000	21780
5.00	0.5500	23958
6.00	0.6000	26136
7.00	0.6500	28314
8.00	0.7000	30492

Stage [ft]	Area [ac]	Area [ft2]
8.50	0.7300	31799

Comment: Existing wet pond to be regraded.

Node: POND302

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.45 ft
Warning Stage: 8.45 ft

Stage [ft]	Area [ac]	Area [ft2]
2.45	0.2100	9148
3.45	0.2400	10454
3.90	0.2500	10890
4.45	0.2700	11761
5.45	0.3000	13068
6.45	0.3300	14375
7.45	0.3700	16117
8.45	0.4100	17860

Comment: Permit No. 13-00791-S
Pond 4B Stage-Area

Pond regraded

Node: POND303

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft

Stage [ft]	Area [ac]	Area [ft2]
1.45	1.2900	56192
2.45	1.3500	58806
3.45	1.4200	61855
3.90	1.4500	63162
4.45	1.4800	64469
5.45	1.5400	67082
6.45	1.6100	70132
7.45	1.6800	73181

Comment: Permit No. 13-00791-S

Pond 5 Stage-Area.

Pond regraded to be wet pond.

Node: POND303A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.45 ft
Warning Stage: 7.45 ft

Stage [ft]	Area [ac]	Area [ft2]
2.45	0.0800	3485
3.45	0.1000	4356
3.90	0.1100	4792
4.45	0.1200	5227
5.45	0.1400	6098
6.45	0.1700	7405
7.45	0.2000	8712

Comment: PROPOSED DRY POND

Node: PR301EX

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 13.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.45	0.0003	13
13.00	0.0003	13

Comment: PR MH FOR PIPE CONNECTION

Node: PR305A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.72 ft
Warning Stage: 7.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.72	0.0003	13
7.00	0.0003	13
7.01	0.0030	131

Comment: Permit No. 13-00791-S
Pond 7 Stage-Area - divided by 5 connected ponds

POND 305A REMOVED - REPLACED BY STR

Node: PR305A1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.45	0.0003	13
7.00	0.0003	13

Comment: PR NODE

Node: PR305C

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.45	0.0003	13
7.00	0.0003	13

Comment: Permit No. 13-00791-S
Pond 7 Stage-Area - divided by 5 connected ponds

POND 305C REMOVED - REPLACED BY STR

Node: PR305C1

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.89	0.0003	13
7.00	0.0003	13

Comment: PR NODE

Node: PR305D

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 7.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.0003	13
7.00	0.0003	13

Comment: Permit No. 13-00791-S
Pond 7 Stage-Area - divided by 5 connected ponds

POND 305D REMOVED - REPLACED BY STR

Node: PR305E

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 6.45 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.42	0.0003	13
6.45	0.0003	13

Comment: Permit No. 13-00791-S
Pond 7 Stage-Area - divided by 5 connected ponds

POND 305E REMOVED - REPLACED BY STR

Node: PR305E+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 6.50 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.34	0.0003	13
6.50	0.0003	13

Comment: PROPOSED CONTROL STRUCTURE NODE

Node: PR305E+B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 6.50 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.34	0.0003	13
6.50	0.0003	13

Comment: PROPOSED CONTROL STRUCTURE NODE

Node: PR3S15

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.50 ft
Warning Stage: 9.39 ft

Stage [ft]	Area [ac]	Area [ft2]
3.50	0.0003	13
9.39	0.0003	13
9.40	0.0030	131

Comment: S-39

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PROPOSED - REVISED

Node: PR3S20

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 16.69 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.0003	13
16.69	0.0003	13
16.70	0.0030	131

Comment: S-35

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PROPOSED - REVISED

Node: PR3S22

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.45 ft
Warning Stage: 22.13 ft

Stage [ft]	Area [ac]	Area [ft2]
16.45	0.0003	13
22.13	0.0003	13
22.14	0.0030	131

Comment: S-37

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PROPOSED - REVISED

Node: PR3S25

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.32 ft
Warning Stage: 8.25 ft

Stage [ft]	Area [ac]	Area [ft2]
2.32	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
8.25	0.0003	13
8.26	0.0030	131

Comment: S-46

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PROPOSED - REVISED

Node: PR3S39

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.00 ft
Warning Stage: 9.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.0003	13
9.00	0.0003	13
9.01	0.0030	131

Comment: Structure on south side of Kendall Drive, west of Dadeland Blvd

Node: PR3S40

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.54 ft
Warning Stage: 9.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.54	0.0003	13
9.00	0.0003	13
9.01	0.0030	131

Comment: Structure on north side of Kendall Drive, west of Dadeland Blvd

Node: PR3S42

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 1.80 ft
Warning Stage: 7.95 ft

Stage [ft]	Area [ac]	Area [ft2]
1.80	0.0003	13
7.95	0.0003	13
7.96	0.0030	131

Comment: S-45A

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PROPOSED - REVISED

Node: PR3S46

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.03 ft
Warning Stage: 8.01 ft

Stage [ft]	Area [ac]	Area [ft2]
3.03	0.0003	13
8.01	0.0003	13
8.02	0.0030	131

Comment: S-48E

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR3S54

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.65 ft
Warning Stage: 18.99 ft

Stage [ft]	Area [ac]	Area [ft2]
2.65	0.0003	13
18.99	0.0003	13
19.00	0.0030	131

Comment: S-57

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR3S55A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.50 ft

Stage [ft]	Area [ac]	Area [ft2]
1.45	0.0003	13
7.50	0.0003	13

Comment: PR NODE

Node: PR3S56A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.45	0.0003	13
8.00	0.0003	13
8.01	0.0030	131

Comment: PR NODE

Node: PR3S58

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.45	0.0003	13
7.00	0.0003	13
7.01	0.0030	131

Comment: PR NODE

Node: PR3S59

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.45	0.0003	13
7.00	0.0003	13
7.01	0.0030	131

Comment: PR NODE

Node: PR3S62

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.79 ft
Warning Stage: 7.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.79	0.0003	13
7.00	0.0003	13
7.01	0.0030	131

Comment: PR NODE

Node: SWALE301

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.95 ft
Warning Stage: 8.45 ft

Stage [ft]	Area [ac]	Area [ft2]
2.95	0.2200	9583
3.45	0.2800	12197
4.45	0.4500	19602
5.45	0.5600	24394
6.45	0.6800	29621
7.20	0.7900	34412
7.45	0.8300	36155
8.45	0.9400	40946

Comment: Permit No. 13-00791-S

Pond 3 Stage-Area

Weir at 7.2'

Node: SWALE302

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.75 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.75	0.0003	13
6.00	0.0100	436
7.00	0.0500	2178
8.00	0.0900	3920

Comment: PROPOSED DRY SWALE

Node: SWALE303

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.00 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.0300	1307
5.00	0.0900	3920
6.00	0.1500	6534
7.00	0.2300	10019
8.00	0.3100	13504

Comment: PROPOSED DRY SWALE

Node: SWALE305B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.45 ft
Warning Stage: 6.45 ft

Stage [ft]	Area [ac]	Area [ft2]
2.45	0.0000	0
3.45	0.0500	2178
3.90	0.1800	7841
4.45	0.2400	10454
5.45	0.2900	12632
6.45	0.3400	14810

Comment: Permit No. 13-00791-S
Pond 7 Stage-Area - divided by 5 connected ponds

Pond regraded to be swale.

Node: SWALECS301

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.20 ft

Stage [ft]	Area [ac]	Area [ft2]
0.95	0.0003	13
7.20	0.0003	13
7.21	0.0030	131

Comment: S-24

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: CH3_1+D_S08		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.99 ft	Invert:	4.91 ft
From Node:	CH3_1+D	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S08	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	92.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 30" x 19" Pipe D/S of S-28
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Channel Link: CH3_1+SEC1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.65 ft	Invert:	5.45 ft
From Node:	CH3_1+A	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH3_1+B	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	3.00 ft	Bottom Width:	3.00 ft
Length:	400.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 3' Bottom Width Ditch @ -0.05%

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PREVIOUSLY EX3CH01

Channel Link: CH3_1+SEC2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.45 ft	Invert:	5.05 ft
From Node:	CH3_1+B	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH3_1+C	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	800.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	

	Ref Node:		Ref Node:
	Manning's N: 0.0000		Manning's N: 0.0000

Comment: 5' Bottom Width Ditch @ -0.05%

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PREVIOUSLY EX3CH02

Channel Link: CH3_1+SEC3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.05 ft	Invert:	4.95 ft
From Node:	CH3_1+C	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH3_1+D	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	4.00 ft	Bottom Width:	4.00 ft
Length:	200.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 4' Bottom Width Ditch @ -0.05%
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PREVIOUSLY EX3CH03

Channel Link: CH3_3+SEC1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.09 ft	Invert:	6.95 ft
From Node:	CH3_3+A	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH3_3+B	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	0.00 ft	Bottom Width:	0.00 ft
Length:	280.00 ft	Left Slope:	6.000 (h:v)	Left Slope:	6.000 (h:v)
Contraction Coef:	0.00	Right Slope:	6.000 (h:v)	Right Slope:	6.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	

Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: V ditch at -2.5%
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PREVIOUSLY EX3CH08

Channel Link: CH3_3+SEC2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.95 ft	Invert:	4.15 ft
From Node:	CH3_3+B	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH3_3+C	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	2.00 ft	Bottom Width:	2.00 ft
Length:	280.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 2' BW Ditch @-1.0%

PREVIOUSLY EX3CH09

Channel Link: CH3_3+SEC3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.15 ft	Invert:	4.05 ft
From Node:	CH3_3+C	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH3_3+D	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	4.00 ft	Bottom Width:	4.00 ft
Length:	200.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	**Top Clip**			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 4' BW Ditch @-0.05%

PREVIOUSLY EX3CH10

Weir Link: CSPR305E_WEIR

Scenario:	Scenario1	**Bottom Clip**	
From Node:	PR305E+A	Default:	0.00 ft
To Node:	PR305E+B	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.90 ft	**Discharge Coefficients**	
Control Elevation:	3.90 ft	Weir Default:	3.200
Max Depth:	2.00 ft	Weir Table:	
Max Width:	8.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment: vertical rectangular weir - elev. = 3.90'

Weir Link: CSSWALE301_WEIR

Scenario:	Scenario1	**Bottom Clip**	
From Node:	SWALE301	Default:	0.00 ft
To Node:	SWALECS301	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Gravel Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	7.20 ft	**Discharge Coefficients**	
Control Elevation:	7.20 ft	Weir Default:	3.200
Max Depth:	3.00 ft	Weir Table:	
Max Width:	6.50 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment: Type H Grate Horizontal Weir

Pipe Link: EX3S01_CH3_1+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	25.95 ft	Invert:	6.45 ft
From Node:	EX3S01	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH3_1+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	57.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-25
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S03_CH3_1+B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	11.95 ft	Invert:	5.95 ft
From Node:	EX3S03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH3_1+B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-26
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S05_CH3_1+C		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.25 ft	Invert:	3.25 ft
From Node:	EX3S05	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH3_1+C	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	80.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 36" Pipe U/S of S-27
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S08_SWALE302		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.91 ft	Invert:	4.75 ft
From Node:	EX3S08	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE302	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	82.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 30" x 19" Pipe D/S of S-28A
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S16_SWALE303		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.53 ft	Invert:	4.45 ft
From Node:	EX3S16	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE303	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	23.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 12" Pipe D/S of S-41
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S18_S13		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.75 ft	Invert:	5.55 ft
From Node:	EX3S18	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S13	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	26.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-30 and S-29
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S19_P01		Upstream		Downstream	
Scenario:	Scenario1	Invert:	10.45 ft	Invert:	6.45 ft
From Node:	EX3S19	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND301	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	23.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-31
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S21_P03		Upstream		Downstream	
Scenario:	Scenario1	Invert:	8.45 ft	Invert:	3.95 ft
From Node:	EX3S21	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND303	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	18.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-38
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S23_P03		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.82 ft	Invert:	3.70 ft
From Node:	EX3S23	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND303	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	17.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-42
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S24_S25		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.35 ft	Invert:	4.29 ft
From Node:	EX3S24	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR3S25	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	12.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 18" x 12" Pipe between S-44 and S-46
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S26_P02		Upstream		Downstream	
Scenario:	Scenario1	Invert:	13.45 ft	Invert:	6.45 ft
From Node:	EX3S26	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND302	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	34.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-32
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S27_SW01		Upstream		Downstream	
Scenario:	Scenario1	Invert:	33.45 ft	Invert:	7.45 ft
From Node:	EX3S27	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE301	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	70.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-18
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S28_SW01		Upstream		Downstream	
Scenario:	Scenario1	Invert:	21.50 ft	Invert:	6.00 ft
From Node:	EX3S28	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE301	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Pipe information estimated.

Pipe Link: EX3S29_SW01		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.61 ft	Invert:	5.45 ft
From Node:	EX3S29	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE301	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-22
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S30_CH3_3+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	16.20 ft	Invert:	15.45 ft
From Node:	EX3S30	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH3_3+A	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-21
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S34_CH3_3+B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	16.95 ft	Invert:	7.95 ft
From Node:	EX3S34	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH3_3+B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	34.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-23
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S36_S49		Upstream		Downstream	
Scenario:	Scenario1	Invert:	19.75 ft	Invert:	18.45 ft
From Node:	EX3S36	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S49	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	167.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-53A and S-52
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S37_SW01		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.65 ft	Invert:	3.95 ft
From Node:	EX3S37	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE301	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	67.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-50
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S38_S44		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.00 ft	Invert:	3.85 ft
From Node:	EX3S38	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S44	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	145.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 18" Pipe U/S of S-48B
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S41_S42		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.45 ft	Invert:	3.85 ft
From Node:	EX3S41	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR3S42	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	166.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-45 and S-45A
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S44_PR305A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.75 ft	Invert:	2.45 ft
From Node:	EX3S44	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR305A	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	2.83 ft	Max Depth:	2.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	94.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 53" x 34" Pipe between S-48B and Pond 7A
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S45_PR305A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.65 ft	Invert:	2.45 ft
From Node:	EX3S45	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR305A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	41.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-48H
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S47_S45		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.95 ft	Invert:	2.65 ft
From Node:	EX3S47	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S45	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	54.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe betwee S-48G and S-48H
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S48_S49		Upstream		Downstream	
Scenario:	Scenario1	Invert:	18.95 ft	Invert:	18.45 ft
From Node:	EX3S48	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S49	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	24.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-53 and S-52
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S49_SWALE305B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.45 ft	Invert:	2.45 ft
From Node:	EX3S49	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE305B	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	3.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-52
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S50_PR305A1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.20 ft	Invert:	6.00 ft
From Node:	EX3S50	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR305A1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	35.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 15" Pipe
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S52_PR305D		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.65 ft	Invert:	3.00 ft
From Node:	EX3S52	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR305D	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	3.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-56
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S53_S54		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.72 ft	Invert:	2.65 ft
From Node:	EX3S53	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR3S54	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	37.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between of S-58 and S-57
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S55_PR3S55A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.30 ft	Invert:	3.25 ft
From Node:	EX3S55	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR3S55A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	55.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-49
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

ADJUSTED TO DRAIN TO WEST PR STORM SEWER SYSTEM

Pipe Link: EX3S56_PR3S56A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.68 ft	Invert:	3.58 ft
From Node:	EX3S56	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR3S56A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	55.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-54

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

ADJUSTED TO DRAIN TO WEST PR STORM SEWER SYSTEM

Pipe Link: EX3S57_S56		Upstream		Downstream	
Scenario:	Scenario1	Invert:	12.37 ft	Invert:	12.20 ft
From Node:	EX3S57	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S56	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-55 and S-54
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S60_PR3S59		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.84 ft	Invert:	3.79 ft
From Node:	EX3S60	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR3S59	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-64 and S-63
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

ADJUSTED TO DRAIN TO WEST PR STORM SEWER SYSTEM

Pipe Link: EX3S61_S60		Upstream		Downstream	
Scenario:	Scenario1	Invert:	9.43 ft	Invert:	9.20 ft
From Node:	EX3S61	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S60	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	43.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-65 and S-64
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX3S63_PR3S62		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.84 ft	Invert:	3.79 ft
From Node:	EX3S63	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR3S62	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-61 and S-60
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

ADJUSTED TO DRAIN TO WEST PR STORM SEWER SYSTEM

Pipe Link: EX3S64_S63		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.45 ft	Invert:	6.25 ft
From Node:	EX3S64	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S63	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	43.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-62 and S-61
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Rating Curve Link: PR305A1_3GW2

Scenario: Scenario1
From Node: PR305A1
To Node: 3GW2
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR305A1_3GW2 / PR305C_3GW2	1.45	PR305A1	1.45	

Comment:

Pipe Link: PR305A1_PR305C		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	PR305A1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR305C	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	450.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 36" FD

Pipe Link: PR305A_PR305A1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.72 ft	Invert:	1.48 ft

From Node:	PR305A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR305A1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	160.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 36" PIPE

Pipe Link: PR305C1_PR305E		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.88 ft	Invert:	-1.42 ft
From Node:	PR305C1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR305E	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	390.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 48" PIPE

Rating Curve Link: PR305C_3GW2

Scenario:	Scenario1
From Node:	PR305C
To Node:	3GW2
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR305A1_3GW2 / PR305C_3GW2	1.45	PR305C	1.45	

Comment:

Pipe Link: PR305C_PR305C1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.45 ft	Invert:	0.89 ft
From Node:	PR305C	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR305C1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	95.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 48" PIPE

Pipe Link: PR305D_SWALE305B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.00 ft	Invert:	2.45 ft
From Node:	PR305D	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE305B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	100.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 18" Pipe

Pipe Link: PR305E+B_O02		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.34 ft	Invert:	-2.55 ft
From Node:	PR305E+B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	O302	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	37.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 48" PIPE TO OUTLET

Pipe Link: PR305E_PR305E+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-1.42 ft	Invert:	-2.34 ft
From Node:	PR305E	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR305E+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	155.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 48" PIPE

Pipe Link: PR354_PR305E+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.65 ft	Invert:	2.00 ft
From Node:	PR3S54	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR305E+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	35.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 15" PIPE

Pipe Link: PR3S15_S20		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.50 ft	Invert:	3.00 ft

From Node:	PR3S15	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR3S20	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	165.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 24" PIPE

Pipe Link: PR3S20_POND303		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.45 ft	Invert:	7.00 ft
From Node:	PR3S20	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND303	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	75.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 15" Overflow pipe

Pipe Link: PR3S22_P02		Upstream		Downstream	
Scenario:	Scenario1	Invert:	16.45 ft	Invert:	3.95 ft
From Node:	PR3S22	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND302	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	39.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-37
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR3S25_CH3_3+D		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.32 ft	Invert:	2.02 ft
From Node:	PR3S25	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH3_3+D	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	198.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 36" PIPE

Pipe Link: PR3S39_S40		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.94 ft	Invert:	4.54 ft
From Node:	PR3S39	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR3S40	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 24" PIPE

Pipe Link: PR3S40_S46		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.54 ft	Invert:	3.03 ft
From Node:	PR3S40	Manning's N:	0.0120	Manning's N:	0.0120

		Upstream		Downstream	
To Node:	PR3S46	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	605.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 36" PIPE

Pipe Link: PR3S42_PR305A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.80 ft	Invert:	1.72 ft
From Node:	PR3S42	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR305A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	52.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 36" PIPE

Pipe Link: PR3S46_S44		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.03 ft	Invert:	2.75 ft
From Node:	PR3S46	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX3S44	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	110.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

	Manning's N: 0.0000		Manning's N: 0.0000

Comment: PR 36" PIPE

Rating Curve Link: PR3S55A_3GW1C

Scenario: Scenario1
From Node: PR3S55A
To Node: 3GW1C
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR3S55A_3GW1C / PR3S556A_3GW1C	1.45	PR3S55A	1.45	

Comment:

Pipe Link: PR3S55A_POND303		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	PR3S55A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND303	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	240.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 36" PIPE

Rating Curve Link: PR3S56A_3GW1B

Scenario: Scenario1
From Node: PR3S56A
To Node: 3GW1B
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR3S58_3GW1B / PR3S56A_3GW1B	1.45	PR3S56A	1.45	

Comment:

Rating Curve Link: PR3S56A_3GW1C

Scenario: Scenario1
From Node: PR3S56A
To Node: 3GW1C
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR3S55A_3GW1C / PR3S556A_3GW1C	1.45	PR3S56A	1.45	

Comment:

Pipe Link: PR3S56A_55A

Scenario: Scenario1
From Node: PR3S56A
To Node: PR3S55A
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 410.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	1.45 ft	Invert:	1.45 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	3.00 ft	Max Depth:	3.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 36" FD

Rating Curve Link: PR3S58_3GW1A

Scenario: Scenario1
From Node: PR3S58
To Node: 3GW1A
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR3S59_3GW1A / PR3S58_3GW1A	1.45	PR3S58	1.45	

Comment:

Rating Curve Link: PR3S58_3GW1B

Scenario: Scenario1
From Node: PR3S58
To Node: 3GW1B
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR3S58_3GW1B / PR3S56A_3GW1B	1.45	PR3S58	1.45	

Comment:

Pipe Link: PR3S58_S56A

Scenario: Scenario1
From Node: PR3S58
To Node: PR3S56A
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 235.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	1.45 ft	Invert:	1.45 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	3.00 ft	Max Depth:	3.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 36" FD

Rating Curve Link: PR3S59_3GW1A

Scenario: Scenario1
From Node: PR3S59
To Node: 3GW1A
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR3S59_3GW1A / PR3S58_3GW1A	1.45	PR3S59	1.45	

Comment:

Pipe Link: PR3S59_S58 Upstream Downstream

Scenario:	Scenario1	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	PR3S59	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR3S58	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 36" FD

Pipe Link: PR3S62_S59		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.11 ft	Invert:	3.79 ft
From Node:	PR3S62	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR3S59	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	150.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 24" PIPE

Pipe Link: PR_301EX_P301		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.45 ft	Invert:	2.45 ft
From Node:	PR301EX	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND301	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	175.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 24" EQUALIZER PIPE TO CONNECT TO EX WET BASIN

Pipe Link: PR_CH3_3+D_S42		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.02 ft	Invert:	1.80 ft
From Node:	CH3_3+D	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR3S42	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	144.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 36" PIPE

Pipe Link: PR_EX3S13_P301		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.55 ft	Invert:	5.45 ft
From Node:	EX3S13	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND301	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	13.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe D/S of S-29
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR_EX3S14_S20		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.77 ft	Invert:	3.47 ft

From Node:	EX3S14	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR3S20	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 18" PIPE

Pipe Link: PR_EX3S51_PR305C		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.95 ft	Invert:	2.00 ft
From Node:	EX3S51	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR305C	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	35.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 15" Pipe
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

PR DRAINS TO SWALE 305B

Pipe Link: PR_P01EX_301EX		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.45 ft	Invert:	2.45 ft
From Node:	POND301EX	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR301EX	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	225.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 24" EQUALIZER PIPE TO CONNECT TO EX WET BASIN

Pipe Link: PR_P01_P02		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.45 ft	Invert:	2.45 ft
From Node:	POND301	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND302	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	135.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 36" EQUALIZER PIPE

Pipe Link: PR_P02_P03		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.45 ft	Invert:	2.45 ft
From Node:	POND302	Manning's N:	0.0100	Manning's N:	0.0100
To Node:	POND303	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	125.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 12" PIPE - PVC

Pipe Link: PR_P03_S25	Upstream	Downstream

Scenario:	Scenario1	Invert:	2.45 ft	Invert:	2.32 ft
From Node:	POND303	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR3S25	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	86.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 36" PIPE

Pipe Link: PR_P303A_303		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.45 ft	Invert:	2.00 ft
From Node:	POND303A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND303	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	100.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 18" PIPE

Pipe Link: PR_S20_P302		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.00 ft	Invert:	2.95 ft
From Node:	PR3S20	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND302	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	52.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 36" PIPE

Pipe Link: PR_SWALE302_P301		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.50 ft	Invert:	5.00 ft
From Node:	SWALE302	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND301	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	57.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 36" PIPE

Pipe Link: PR_SWALE303_S15		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.00 ft	Invert:	3.50 ft
From Node:	SWALE303	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR3S15	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	52.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 18" PIPE

Pipe Link: SWALE305B_PR305C		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.45 ft	Invert:	1.45 ft
From Node:	SWALE305B	Manning's N:	0.0120	Manning's N:	0.0120

		Geometry: Circular		Geometry: Circular	
To Node:	PR305C	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	50.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 48" PIPE

Pipe Link: SWALECS301_3+C		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.16 ft	Invert:	4.03 ft
From Node:	SWALECS301	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH3_3+C	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	75.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 30" Pipe D/S of Swale3-01
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Rating Curve: PR305A1_3GW2 / PR305C_3GW2

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	5.62	1.02
1.45	6.45	1.28
2.94	2.94	0.00
2.94	5.62	0.68
2.94	6.45	0.92

Comment:

Rating Curve: PR3S55A_3GW1C / PR3S556A_3GW1C

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	5.62	0.93
1.45	7.50	1.46
2.94	2.94	0.00
2.94	5.62	0.61
2.94	7.50	1.12

Comment:

Rating Curve: PR3S58_3GW1B / PR3S56A_3GW1B

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	5.62	0.52
1.45	7.50	0.81
2.94	2.94	0.00
2.94	5.62	0.34
2.94	7.50	0.62

Comment:

Rating Curve: PR3S59_3GW1A / PR3S58_3GW1A

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	5.62	0.79
1.45	7.50	1.23
2.94	2.94	0.00
2.94	5.62	0.52
2.94	7.50	0.95

Comment:

Simulation: 100YR-1HR

Scenario: Scenario1
Run Date/Time: 8/19/2019 7:25:42 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	5.10 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100YR-24HR

Scenario:	Scenario1
Run Date/Time:	8/19/2019 7:25:54 PM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 100YR-24HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~SCSIII-24
Rainfall Amount: 13.44 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 100YR-8HR

Scenario: Scenario1
Run Date/Time: 8/19/2019 7:26:24 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 100YR-8HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	9.60 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-1HR

Scenario:	Scenario1
Run Date/Time:	8/19/2019 7:26:49 PM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.55 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-24HR

Scenario: Scenario1
Run Date/Time: 8/19/2019 7:27:02 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 10YR-24HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SCSIII-24
		Rainfall Amount:	8.88 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-8HR

Scenario:	Scenario1
Run Date/Time:	8/19/2019 7:27:27 PM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 10YR-8HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-8
Rainfall Amount: 6.80 in
Storm Duration: 8.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 25YR-72HR

Scenario: Scenario1
Run Date/Time: 8/19/2019 7:27:49 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 25YR-72HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	13.00 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
3GW1A	100YR-1HR	2.45	1.45	0.0000	1.46	0.00	0
3GW1B	100YR-1HR	2.45	1.45	0.0000	0.91	0.00	0
3GW1C	100YR-1HR	2.45	1.45	0.0000	1.48	0.00	0
3GW2	100YR-1HR	2.45	1.45	0.0000	2.23	0.00	0
CH3_1+A	100YR-1HR	7.65	7.85	0.0007	4.13	2.62	3325
CH3_1+B	100YR-1HR	7.45	7.85	0.0007	20.11	4.96	11443
CH3_1+C	100YR-1HR	7.05	7.84	0.0088	14.31	10.50	10688
CH3_1+D	100YR-1HR	6.95	7.84	0.0006	16.90	15.00	2252
CH3_3+A	100YR-1HR	17.00	8.31	0.0003	6.34	6.24	1945
CH3_3+B	100YR-1HR	8.95	7.90	0.0002	12.31	11.99	3024
CH3_3+C	100YR-1HR	6.53	6.18	0.0006	11.99	12.16	3459
CH3_3+D	100YR-1HR	6.59	6.14	0.0010	32.37	31.99	1671
EX3S01	100YR-1HR	32.59	26.92	0.0005	3.92	3.92	113
EX3S03	100YR-1HR	15.34	14.30	0.0086	7.77	17.13	113
EX3S05	100YR-1HR	6.25	7.84	0.0081	10.50	0.75	133
EX3S08	100YR-1HR	7.45	7.59	0.0006	12.28	12.27	227
EX3S13	100YR-1HR	9.07	7.16	0.0015	5.01	5.01	113
EX3S14	100YR-1HR	18.44	4.89	0.0002	1.33	1.30	113
EX3S16	100YR-1HR	6.66	5.44	0.0003	2.65	2.65	113
EX3S18	100YR-1HR	10.97	7.26	0.0010	2.90	2.90	113
EX3S19	100YR-1HR	15.47	11.52	0.0006	4.63	4.63	113
EX3S21	100YR-1HR	12.13	9.10	0.0003	1.88	1.88	113
EX3S23	100YR-1HR	6.64	4.53	0.0010	2.27	2.27	113
EX3S24	100YR-1HR	6.66	5.31	0.0010	2.20	2.57	113
EX3S26	100YR-1HR	22.75	15.69	0.0010	7.53	7.51	113
EX3S27	100YR-1HR	38.30	33.96	0.0001	1.18	1.18	113
EX3S28	100YR-1HR	26.50	22.42	0.0003	3.53	3.53	113
EX3S29	100YR-1HR	10.76	6.54	0.0003	3.61	3.61	113
EX3S30	100YR-1HR	20.28	17.98	0.0008	6.35	6.34	113
EX3S34	100YR-1HR	23.94	18.65	0.0008	6.12	6.11	113
EX3S36	100YR-1HR	26.70	20.69	0.0003	3.69	3.69	117
EX3S37	100YR-1HR	7.69	6.26	0.0013	5.88	5.87	113
EX3S38	100YR-1HR	7.90	6.48	0.0009	3.14	2.96	225
EX3S41	100YR-1HR	7.12	6.39	0.0010	2.64	2.48	218
EX3S44	100YR-1HR	9.00	6.37	0.0010	30.43	30.29	492
EX3S45	100YR-1HR	7.17	6.50	0.0010	4.46	4.34	113
EX3S47	100YR-1HR	6.91	6.57	0.0009	2.33	2.20	113
EX3S48	100YR-1HR	24.29	20.97	0.0009	6.98	6.97	113
EX3S49	100YR-1HR	23.99	8.01	0.0010	12.61	12.42	132
EX3S50	100YR-1HR	11.17	6.79	0.0003	1.57	1.57	113
EX3S51	100YR-1HR	22.52	5.87	0.0007	3.61	3.46	113
EX3S52	100YR-1HR	16.29	6.45	0.0013	5.88	5.71	113
EX3S53	100YR-1HR	11.17	6.16	0.0012	5.49	5.38	113
EX3S55	100YR-1HR	6.60	4.88	0.0010	5.11	5.08	113
EX3S56	100YR-1HR	16.14	7.42	0.0009	11.76	11.65	113
EX3S57	100YR-1HR	22.64	14.42	0.0008	9.18	9.17	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX3S60	100YR-1HR	13.19	5.84	0.0012	7.13	7.04	113
EX3S61	100YR-1HR	15.60	10.48	0.0004	4.08	4.08	113
EX3S63	100YR-1HR	11.60	6.24	0.0012	7.52	7.46	113
EX3S64	100YR-1HR	11.45	7.65	0.0004	4.63	4.62	113
O302	100YR-1HR	3.45	1.45	0.0000	45.31	0.00	0
POND301	100YR-1HR	8.45	4.88	0.0009	28.64	13.53	17978
POND301EX	100YR-1HR	8.50	4.70	0.0005	15.49	1.09	23311
POND302	100YR-1HR	8.45	4.88	0.0006	20.84	10.53	12601
POND303	100YR-1HR	7.45	4.29	0.0008	81.60	6.60	64360
POND303A	100YR-1HR	7.45	4.29	0.0007	5.08	0.29	5106
PR301EX	100YR-1HR	13.00	4.70	0.0010	13.53	13.47	408
PR305A	100YR-1HR	7.00	6.24	0.0010	36.29	36.16	554
PR305A1	100YR-1HR	7.00	6.08	0.0013	20.39	20.31	947
PR305C	100YR-1HR	7.00	5.76	0.0016	40.92	40.88	1008
PR305C1	100YR-1HR	7.00	5.67	0.0009	39.81	39.81	1066
PR305D	100YR-1HR	7.00	6.26	0.0017	6.39	6.25	113
PR305E	100YR-1HR	6.45	5.48	0.0040	40.14	40.15	1182
PR305E+A	100YR-1HR	6.50	5.36	0.0028	45.33	45.31	307
PR305E+B	100YR-1HR	6.50	1.68	0.0007	45.31	45.31	126
PR3S15	100YR-1HR	9.39	4.89	0.0002	5.15	5.17	216
PR3S20	100YR-1HR	16.69	4.89	0.0004	10.17	10.25	343
PR3S22	100YR-1HR	22.13	17.04	0.0003	1.57	1.57	113
PR3S25	100YR-1HR	8.25	5.29	0.0010	33.86	33.86	568
PR3S39	100YR-1HR	9.00	7.56	0.0010	11.14	10.88	113
PR3S40	100YR-1HR	9.00	7.38	0.0010	26.33	25.99	957
PR3S42	100YR-1HR	7.95	6.18	0.0010	20.91	20.77	595
PR3S46	100YR-1HR	8.01	6.61	0.0009	26.84	26.70	1085
PR3S54	100YR-1HR	18.99	5.80	0.0017	6.32	6.24	113
PR3S55A	100YR-1HR	7.50	4.45	0.0010	30.43	30.39	996
PR3S56A	100YR-1HR	8.00	5.08	0.0010	26.68	26.64	981
PR3S58	100YR-1HR	7.00	5.22	0.0010	16.00	16.04	891
PR3S59	100YR-1HR	7.00	5.44	0.0010	16.84	16.76	609
PR3S62	100YR-1HR	7.00	5.79	0.0011	9.86	9.82	312
SWALE301	100YR-1HR	8.45	5.44	0.0007	19.81	0.00	24374
SWALE302	100YR-1HR	8.00	7.03	0.0003	12.42	12.39	2285
SWALE303	100YR-1HR	8.00	4.90	0.0002	4.18	4.06	3700
SWALE305B	100YR-1HR	6.45	5.78	0.0007	26.32	22.12	13411
SWALECS301	100YR-1HR	7.20	6.18	0.0015	1.74	0.12	113
3GW1A	100YR-24HR	2.45	2.45	0.0001	2.13	0.00	0
3GW1B	100YR-24HR	2.45	2.45	0.0001	1.34	0.00	0
3GW1C	100YR-24HR	2.45	2.45	0.0001	2.26	0.00	0
3GW2	100YR-24HR	2.45	1.45	0.0000	2.55	0.00	0
CH3_1+A	100YR-24HR	7.65	8.89	0.0003	3.97	1.40	4564
CH3_1+B	100YR-24HR	7.45	8.88	0.0004	19.05	4.69	15177
CH3_1+C	100YR-24HR	7.05	8.88	0.0088	16.30	10.50	13804
CH3_1+D	100YR-24HR	6.95	8.88	0.0003	23.97	21.54	2876
CH3_3+A	100YR-24HR	17.00	8.33	0.0004	6.43	6.30	2014

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
CH3_3+B	100YR-24HR	8.95	8.00	0.0002	12.47	11.82	3394
CH3_3+C	100YR-24HR	6.53	6.97	0.0005	11.82	11.82	4396
CH3_3+D	100YR-24HR	6.59	6.96	0.0010	31.73	29.28	2162
EX3S01	100YR-24HR	32.59	26.92	0.0005	3.98	3.97	113
EX3S03	100YR-24HR	15.34	13.16	0.0092	7.87	16.03	113
EX3S05	100YR-24HR	6.25	8.88	0.0081	10.50	2.06	133
EX3S08	100YR-24HR	7.45	8.49	0.0003	14.99	14.99	227
EX3S13	100YR-24HR	9.07	7.94	0.0015	5.08	5.08	113
EX3S14	100YR-24HR	18.44	7.93	0.0016	1.35	1.89	113
EX3S16	100YR-24HR	6.66	7.93	0.0010	2.70	2.57	131
EX3S18	100YR-24HR	10.97	7.94	0.0007	2.94	2.94	113
EX3S19	100YR-24HR	15.47	11.53	0.0004	4.69	4.69	113
EX3S21	100YR-24HR	12.13	9.10	0.0002	1.91	1.91	113
EX3S23	100YR-24HR	6.64	6.82	0.0007	2.58	2.45	131
EX3S24	100YR-24HR	6.66	6.79	0.0006	2.23	2.09	131
EX3S26	100YR-24HR	22.75	15.74	0.0010	7.64	7.62	113
EX3S27	100YR-24HR	38.30	33.96	0.0002	1.19	1.19	113
EX3S28	100YR-24HR	26.50	22.42	0.0003	3.58	3.58	113
EX3S29	100YR-24HR	10.76	7.50	0.0010	3.66	3.73	113
EX3S30	100YR-24HR	20.28	18.01	0.0006	6.44	6.43	113
EX3S34	100YR-24HR	23.94	18.68	0.0006	6.20	6.19	113
EX3S36	100YR-24HR	26.70	20.69	0.0003	3.74	3.74	117
EX3S37	100YR-24HR	7.69	7.51	0.0010	5.97	5.84	113
EX3S38	100YR-24HR	7.90	7.23	0.0006	3.18	3.05	176
EX3S41	100YR-24HR	7.12	7.19	0.0006	2.77	2.63	169
EX3S44	100YR-24HR	9.00	7.12	0.0025	31.25	31.12	486
EX3S45	100YR-24HR	7.17	7.31	0.0009	5.07	4.94	132
EX3S47	100YR-24HR	6.91	7.41	0.0007	2.72	2.57	131
EX3S48	100YR-24HR	24.29	21.01	0.0010	7.08	7.07	113
EX3S49	100YR-24HR	23.99	8.64	0.0010	12.79	12.67	132
EX3S50	100YR-24HR	11.17	6.79	0.0003	1.59	1.76	113
EX3S51	100YR-24HR	22.52	6.26	0.0004	3.66	3.57	113
EX3S52	100YR-24HR	16.29	7.04	0.0010	5.97	5.86	113
EX3S53	100YR-24HR	11.17	6.47	0.0006	5.57	5.52	113
EX3S55	100YR-24HR	6.60	6.85	0.0008	5.39	5.24	131
EX3S56	100YR-24HR	16.14	9.31	0.0010	11.92	11.75	113
EX3S57	100YR-24HR	22.64	14.45	0.0007	9.31	9.30	113
EX3S60	100YR-24HR	13.19	7.75	0.0010	7.23	7.07	113
EX3S61	100YR-24HR	15.60	10.49	0.0003	4.14	4.13	113
EX3S63	100YR-24HR	11.60	8.20	0.0010	7.45	7.30	113
EX3S64	100YR-24HR	11.45	8.50	0.0007	4.69	4.52	113
O302	100YR-24HR	3.45	2.45	0.0004	54.29	0.04	0
POND301	100YR-24HR	8.45	7.94	0.0004	33.41	11.62	23292
POND301EX	100YR-24HR	8.50	7.95	0.0005	22.05	1.69	30377
POND302	100YR-24HR	8.45	7.93	0.0004	21.93	10.75	16964
POND303	100YR-24HR	7.45	6.81	0.0004	85.02	16.99	71254
POND303A	100YR-24HR	7.45	6.82	0.0004	6.67	1.13	7887

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR301EX	100YR-24HR	13.00	7.94	0.0005	10.29	10.21	408
PR305A	100YR-24HR	7.00	7.00	0.0020	38.41	38.28	546
PR305A1	100YR-24HR	7.00	6.72	0.0009	27.36	27.39	934
PR305C	100YR-24HR	7.00	6.14	0.0016	49.66	49.66	1007
PR305C1	100YR-24HR	7.00	6.01	0.0007	48.48	48.49	1065
PR305D	100YR-24HR	7.00	6.82	0.0011	7.10	7.01	113
PR305E	100YR-24HR	6.45	5.72	0.0041	48.98	48.99	1182
PR305E+A	100YR-24HR	6.50	5.55	0.0030	54.30	54.29	302
PR305E+B	100YR-24HR	6.50	2.74	0.0010	54.29	54.29	126
PR3S15	100YR-24HR	9.39	7.93	0.0010	2.96	2.78	216
PR3S20	100YR-24HR	16.69	7.93	0.0077	9.13	7.56	275
PR3S22	100YR-24HR	22.13	17.04	0.0002	1.59	1.59	113
PR3S25	100YR-24HR	8.25	6.78	0.0010	31.36	31.23	539
PR3S39	100YR-24HR	9.00	8.46	0.0010	11.29	11.15	113
PR3S40	100YR-24HR	9.00	8.27	0.0010	26.80	26.66	954
PR3S42	100YR-24HR	7.95	6.98	0.0028	21.55	21.63	570
PR3S46	100YR-24HR	8.01	7.38	0.0006	27.53	27.41	1080
PR3S54	100YR-24HR	18.99	6.06	0.0008	6.47	6.43	113
PR3S55A	100YR-24HR	7.50	6.82	0.0013	30.86	30.73	998
PR3S56A	100YR-24HR	8.00	7.00	0.0015	27.57	27.44	981
PR3S58	100YR-24HR	7.00	7.14	0.0013	16.89	16.74	891
PR3S59	100YR-24HR	7.00	7.37	0.0010	18.11	17.96	582
PR3S62	100YR-24HR	7.00	7.77	0.0010	11.20	11.05	279
SWALE301	100YR-24HR	8.45	7.50	0.0003	28.59	3.43	36428
SWALE302	100YR-24HR	8.00	7.97	0.0003	15.29	15.44	3871
SWALE303	100YR-24HR	8.00	7.93	0.0004	6.68	1.95	13267
SWALE305B	100YR-24HR	6.45	6.17	0.0004	25.03	21.30	14216
SWALECS301	100YR-24HR	7.20	6.97	0.0010	3.43	3.44	113
3GW1A	100YR-8HR	2.45	2.45	0.0001	1.33	0.00	0
3GW1B	100YR-8HR	2.45	2.45	0.0001	0.87	0.00	0
3GW1C	100YR-8HR	2.45	2.45	0.0001	1.56	0.00	0
3GW2	100YR-8HR	2.45	1.45	0.0000	1.86	0.00	0
CH3_1+A	100YR-8HR	7.65	8.08	0.0003	2.03	1.15	3590
CH3_1+B	100YR-8HR	7.45	8.07	0.0004	4.90	4.30	12258
CH3_1+C	100YR-8HR	7.05	8.07	0.0088	4.64	10.50	11371
CH3_1+D	100YR-8HR	6.95	8.07	0.0003	11.80	11.05	2389
CH3_3+A	100YR-8HR	17.00	8.06	0.0005	3.29	3.28	1521
CH3_3+B	100YR-8HR	8.95	7.63	0.0001	6.44	6.43	2268
CH3_3+C	100YR-8HR	6.53	5.63	0.0002	6.43	6.05	2713
CH3_3+D	100YR-8HR	6.59	5.63	0.0009	20.65	20.15	1360
EX3S01	100YR-8HR	32.59	26.62	0.0005	2.03	2.03	113
EX3S03	100YR-8HR	15.34	12.93	0.0010	4.01	4.01	113
EX3S05	100YR-8HR	6.25	8.07	0.0081	10.50	1.68	133
EX3S08	100YR-8HR	7.45	7.82	0.0012	13.10	13.10	227
EX3S13	100YR-8HR	9.07	6.97	0.0010	2.60	2.60	113
EX3S14	100YR-8HR	18.44	6.97	0.0007	0.69	0.83	113
EX3S16	100YR-8HR	6.66	6.97	0.0009	1.38	1.76	131

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX3S18	100YR-8HR	10.97	6.97	0.0006	1.50	1.50	113
EX3S19	100YR-8HR	15.47	11.18	0.0004	2.39	2.39	113
EX3S21	100YR-8HR	12.13	8.91	0.0002	0.97	0.97	113
EX3S23	100YR-8HR	6.64	5.71	0.0010	1.31	1.69	113
EX3S24	100YR-8HR	6.66	5.68	0.0008	1.14	1.18	113
EX3S26	100YR-8HR	22.75	14.41	0.0006	3.89	3.89	113
EX3S27	100YR-8HR	38.30	33.81	0.0001	0.61	0.61	113
EX3S28	100YR-8HR	26.50	22.14	0.0003	1.82	1.82	113
EX3S29	100YR-8HR	10.76	7.32	0.0010	1.87	1.86	113
EX3S30	100YR-8HR	20.28	17.08	0.0006	3.28	3.29	113
EX3S34	100YR-8HR	23.94	17.81	0.0005	3.16	3.16	113
EX3S36	100YR-8HR	26.70	20.40	0.0003	1.91	1.91	116
EX3S37	100YR-8HR	7.69	7.32	0.0010	3.04	3.39	113
EX3S38	100YR-8HR	7.90	5.58	0.0003	1.62	1.60	186
EX3S41	100YR-8HR	7.12	5.62	0.0010	1.41	1.40	175
EX3S44	100YR-8HR	9.00	5.58	0.0017	15.89	16.15	486
EX3S45	100YR-8HR	7.17	5.59	0.0009	2.62	2.61	113
EX3S47	100YR-8HR	6.91	5.59	0.0005	1.37	1.34	113
EX3S48	100YR-8HR	24.29	19.88	0.0006	3.61	3.61	113
EX3S49	100YR-8HR	23.99	5.84	0.0006	6.53	6.51	130
EX3S50	100YR-8HR	11.17	6.62	0.0002	0.81	0.81	113
EX3S51	100YR-8HR	22.52	5.21	0.0004	1.87	1.87	113
EX3S52	100YR-8HR	16.29	5.42	0.0010	3.04	3.29	113
EX3S53	100YR-8HR	11.17	5.25	0.0005	2.84	2.83	113
EX3S55	100YR-8HR	6.60	5.72	0.0010	2.74	2.67	113
EX3S56	100YR-8HR	16.14	5.87	0.0010	6.08	6.02	113
EX3S57	100YR-8HR	22.64	13.56	0.0007	4.74	4.74	113
EX3S60	100YR-8HR	13.19	5.73	0.0010	3.69	3.62	113
EX3S61	100YR-8HR	15.60	10.12	0.0003	2.11	2.11	113
EX3S63	100YR-8HR	11.60	5.75	0.0010	3.89	3.85	113
EX3S64	100YR-8HR	11.45	7.20	0.0004	2.39	2.39	113
O302	100YR-8HR	3.45	2.45	0.0005	29.69	0.01	0
POND301	100YR-8HR	8.45	6.97	0.0004	22.40	12.70	21419
POND301EX	100YR-8HR	8.50	6.97	0.0007	17.89	1.68	28263
POND302	100YR-8HR	8.45	6.96	0.0004	11.70	5.44	15295
POND303	100YR-8HR	7.45	5.70	0.0006	49.62	13.56	67866
POND303A	100YR-8HR	7.45	5.71	0.0006	4.31	0.76	6433
PR301EX	100YR-8HR	13.00	6.97	0.0010	12.70	12.59	408
PR305A	100YR-8HR	7.00	5.57	0.0017	21.64	20.56	546
PR305A1	100YR-8HR	7.00	5.39	0.0007	19.55	19.54	942
PR305C	100YR-8HR	7.00	5.17	0.0013	28.38	27.45	1007
PR305C1	100YR-8HR	7.00	5.13	0.0008	26.54	26.46	1066
PR305D	100YR-8HR	7.00	5.36	0.0011	3.61	3.60	113
PR305E	100YR-8HR	6.45	5.05	0.0042	26.73	26.75	1182
PR305E+A	100YR-8HR	6.50	5.00	0.0030	29.78	29.70	302
PR305E+B	100YR-8HR	6.50	2.47	0.0010	29.70	29.69	126
PR3S15	100YR-8HR	9.39	6.97	0.0009	2.93	2.84	216

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR3S20	100YR-8HR	16.69	6.96	0.0010	5.60	5.48	279
PR3S22	100YR-8HR	22.13	16.87	0.0002	0.81	0.81	113
PR3S25	100YR-8HR	8.25	5.68	0.0010	21.30	21.16	567
PR3S39	100YR-8HR	9.00	6.06	0.0010	5.76	5.75	113
PR3S40	100YR-8HR	9.00	6.01	0.0010	13.74	13.64	952
PR3S42	100YR-8HR	7.95	5.61	0.0019	14.70	14.83	573
PR3S46	100YR-8HR	8.01	5.59	0.0004	14.08	13.88	1080
PR3S54	100YR-8HR	18.99	5.14	0.0007	3.32	3.31	113
PR3S55A	100YR-8HR	7.50	5.71	0.0014	15.63	15.55	1001
PR3S56A	100YR-8HR	8.00	5.71	0.0014	13.99	13.91	980
PR3S58	100YR-8HR	7.00	5.71	0.0012	8.60	8.52	891
PR3S59	100YR-8HR	7.00	5.72	0.0010	9.27	9.17	604
PR3S62	100YR-8HR	7.00	5.73	0.0010	5.73	5.66	310
SWALE301	100YR-8HR	8.45	7.32	0.0005	13.67	0.87	35281
SWALE302	100YR-8HR	8.00	7.32	0.0005	13.32	13.30	2771
SWALE303	100YR-8HR	8.00	6.97	0.0004	3.14	2.29	9915
SWALE305B	100YR-8HR	6.45	5.18	0.0004	12.72	16.09	12124
SWALECS301	100YR-8HR	7.20	5.63	0.0010	0.87	0.87	113
3GW1A	10YR-1HR	2.45	1.45	0.0000	1.01	0.00	0
3GW1B	10YR-1HR	2.45	1.45	0.0000	0.64	0.00	0
3GW1C	10YR-1HR	2.45	1.45	0.0000	1.07	0.00	0
3GW2	10YR-1HR	2.45	1.45	0.0000	1.84	0.00	0
CH3_1+A	10YR-1HR	7.65	7.13	0.0006	2.69	2.05	2476
CH3_1+B	10YR-1HR	7.45	7.13	0.0006	7.37	3.21	8849
CH3_1+C	10YR-1HR	7.05	7.12	0.0088	10.40	10.50	8515
CH3_1+D	10YR-1HR	6.95	7.11	0.0006	9.62	8.49	1816
CH3_3+A	10YR-1HR	17.00	8.15	0.0003	4.37	4.31	1688
CH3_3+B	10YR-1HR	8.95	7.73	0.0002	8.48	8.49	2481
CH3_3+C	10YR-1HR	6.53	5.43	0.0004	8.49	7.86	2506
CH3_3+D	10YR-1HR	6.59	5.27	0.0010	22.85	22.37	1317
EX3S01	10YR-1HR	32.59	26.73	0.0005	2.70	2.69	113
EX3S03	10YR-1HR	15.34	13.11	0.0010	5.34	5.34	113
EX3S05	10YR-1HR	6.25	7.12	0.0081	10.50	0.25	133
EX3S08	10YR-1HR	7.45	7.00	0.0007	8.39	8.38	227
EX3S13	10YR-1HR	9.07	6.45	0.0003	3.45	3.45	113
EX3S14	10YR-1HR	18.44	4.35	0.0005	0.92	0.89	113
EX3S16	10YR-1HR	6.66	5.25	0.0011	1.82	3.03	113
EX3S18	10YR-1HR	10.97	6.52	0.0003	1.99	1.99	113
EX3S19	10YR-1HR	15.47	11.32	0.0005	3.18	3.18	113
EX3S21	10YR-1HR	12.13	8.98	0.0002	1.29	1.29	113
EX3S23	10YR-1HR	6.64	4.39	0.0010	1.46	1.46	113
EX3S24	10YR-1HR	6.66	4.85	0.0010	1.51	1.51	113
EX3S26	10YR-1HR	22.75	14.59	0.0006	5.18	5.17	113
EX3S27	10YR-1HR	38.30	33.87	0.0002	0.81	0.81	113
EX3S28	10YR-1HR	26.50	22.24	0.0003	2.43	2.42	113
EX3S29	10YR-1HR	10.76	6.36	0.0003	2.48	2.48	113
EX3S30	10YR-1HR	20.28	17.24	0.0005	4.37	4.37	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX3S34	10YR-1HR	23.94	17.97	0.0009	4.21	4.20	113
EX3S36	10YR-1HR	26.70	20.51	0.0003	2.53	2.53	117
EX3S37	10YR-1HR	7.69	5.63	0.0012	4.04	4.04	113
EX3S38	10YR-1HR	7.90	5.42	0.0007	2.16	2.02	224
EX3S41	10YR-1HR	7.12	5.39	0.0010	1.77	1.73	215
EX3S44	10YR-1HR	9.00	5.38	0.0009	20.10	19.88	490
EX3S45	10YR-1HR	7.17	5.43	0.0009	2.86	2.78	113
EX3S47	10YR-1HR	6.91	5.46	0.0008	1.48	1.39	113
EX3S48	10YR-1HR	24.29	20.04	0.0008	4.80	4.80	113
EX3S49	10YR-1HR	23.99	6.13	0.0010	8.68	8.50	132
EX3S50	10YR-1HR	11.17	6.68	0.0002	1.08	1.08	113
EX3S51	10YR-1HR	22.52	5.19	0.0007	2.48	2.35	113
EX3S52	10YR-1HR	16.29	5.43	0.0011	4.04	4.48	113
EX3S53	10YR-1HR	11.17	5.33	0.0010	3.77	4.06	113
EX3S55	10YR-1HR	6.60	4.44	0.0010	3.44	3.43	113
EX3S56	10YR-1HR	16.14	5.88	0.0010	8.08	8.08	113
EX3S57	10YR-1HR	22.64	13.85	0.0009	6.31	6.30	113
EX3S60	10YR-1HR	13.19	5.08	0.0011	4.90	4.90	113
EX3S61	10YR-1HR	15.60	10.24	0.0004	2.80	2.80	113
EX3S63	10YR-1HR	11.60	5.53	0.0011	5.17	5.16	113
EX3S64	10YR-1HR	11.45	7.36	0.0004	3.18	3.18	113
O302	10YR-1HR	3.45	1.45	0.0000	29.08	0.00	0
POND301	10YR-1HR	8.45	4.14	0.0009	18.64	9.09	16907
POND301EX	10YR-1HR	8.50	3.65	0.0006	9.68	0.54	21343
POND302	10YR-1HR	8.45	4.13	0.0005	13.37	7.28	11566
POND303	10YR-1HR	7.45	3.53	0.0008	53.59	3.02	62578
POND303A	10YR-1HR	7.45	3.53	0.0003	2.40	0.10	4495
PR301EX	10YR-1HR	13.00	3.66	0.0010	8.19	9.28	408
PR305A	10YR-1HR	7.00	5.32	0.0010	23.62	23.56	552
PR305A1	10YR-1HR	7.00	5.26	0.0011	13.71	13.61	946
PR305C	10YR-1HR	7.00	5.14	0.0017	27.99	27.19	1008
PR305C1	10YR-1HR	7.00	5.11	0.0010	26.28	25.84	1066
PR305D	10YR-1HR	7.00	5.35	0.0014	4.58	4.10	113
PR305E	10YR-1HR	6.45	5.03	0.0036	26.01	26.21	1182
PR305E+A	10YR-1HR	6.50	4.99	0.0026	29.76	29.09	306
PR305E+B	10YR-1HR	6.50	1.54	0.0010	29.09	29.08	126
PR3S15	10YR-1HR	9.39	4.44	0.0004	2.89	2.92	216
PR3S20	10YR-1HR	16.69	4.34	0.0006	6.62	6.62	341
PR3S22	10YR-1HR	22.13	16.93	0.0002	1.08	1.08	113
PR3S25	10YR-1HR	8.25	4.73	0.0009	23.74	23.66	568
PR3S39	10YR-1HR	9.00	6.24	0.0010	7.66	7.62	113
PR3S40	10YR-1HR	9.00	6.15	0.0010	18.24	17.90	957
PR3S42	10YR-1HR	7.95	5.29	0.0010	13.77	13.83	593
PR3S46	10YR-1HR	8.01	5.49	0.0007	18.49	17.56	1085
PR3S54	10YR-1HR	18.99	5.17	0.0015	4.56	4.20	113
PR3S55A	10YR-1HR	7.50	3.71	0.0006	19.95	19.89	1000
PR3S56A	10YR-1HR	8.00	4.03	0.0009	17.60	17.50	981

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR3S58	10YR-1HR	7.00	4.09	0.0010	10.54	10.46	891
PR3S59	10YR-1HR	7.00	4.17	0.0010	11.28	11.05	607
PR3S62	10YR-1HR	7.00	5.31	0.0010	6.40	6.40	312
SWALE301	10YR-1HR	8.45	4.68	0.0006	11.77	0.00	20735
SWALE302	10YR-1HR	8.00	6.74	0.0004	8.44	8.41	1778
SWALE303	10YR-1HR	8.00	4.55	0.0001	3.60	2.13	2802
SWALE305B	10YR-1HR	6.45	5.15	0.0007	20.74	18.41	12064
SWALECS301	10YR-1HR	7.20	5.43	0.0013	1.52	0.06	113
3GW1A	10YR-24HR	2.45	2.45	0.0001	1.21	0.00	0
3GW1B	10YR-24HR	2.45	2.45	0.0001	0.79	0.00	0
3GW1C	10YR-24HR	2.45	2.45	0.0001	1.43	0.00	0
3GW2	10YR-24HR	2.45	1.45	0.0000	1.93	0.00	0
CH3_1+A	10YR-24HR	7.65	7.83	0.0005	2.62	1.17	3305
CH3_1+B	10YR-24HR	7.45	7.83	0.0005	7.08	4.33	11380
CH3_1+C	10YR-24HR	7.05	7.83	0.0088	8.62	10.50	10637
CH3_1+D	10YR-24HR	6.95	7.82	0.0005	14.66	13.28	2242
CH3_3+A	10YR-24HR	17.00	8.14	0.0004	4.25	4.20	1669
CH3_3+B	10YR-24HR	8.95	7.72	0.0002	8.27	8.18	2499
CH3_3+C	10YR-24HR	6.53	5.58	0.0004	8.18	8.19	2698
CH3_3+D	10YR-24HR	6.59	5.48	0.0009	25.11	24.84	1293
EX3S01	10YR-24HR	32.59	26.72	0.0005	2.62	2.62	113
EX3S03	10YR-24HR	15.34	13.09	0.0010	5.20	5.19	113
EX3S05	10YR-24HR	6.25	7.83	0.0081	10.50	1.61	133
EX3S08	10YR-24HR	7.45	7.57	0.0005	12.10	12.09	227
EX3S13	10YR-24HR	9.07	6.44	0.0008	3.36	3.36	113
EX3S14	10YR-24HR	18.44	6.13	0.0007	1.05	0.83	113
EX3S16	10YR-24HR	6.66	6.14	0.0010	1.78	2.06	113
EX3S18	10YR-24HR	10.97	6.50	0.0003	1.94	1.94	113
EX3S19	10YR-24HR	15.47	11.31	0.0007	3.10	3.10	113
EX3S21	10YR-24HR	12.13	8.97	0.0001	1.26	1.26	113
EX3S23	10YR-24HR	6.64	5.20	0.0010	1.67	2.21	113
EX3S24	10YR-24HR	6.66	5.19	0.0006	1.47	1.61	113
EX3S26	10YR-24HR	22.75	14.57	0.0008	5.04	5.04	113
EX3S27	10YR-24HR	38.30	33.86	0.0003	0.79	0.79	113
EX3S28	10YR-24HR	26.50	22.23	0.0003	2.36	2.36	113
EX3S29	10YR-24HR	10.76	7.13	0.0009	2.41	2.41	113
EX3S30	10YR-24HR	20.28	17.23	0.0007	4.25	4.25	113
EX3S34	10YR-24HR	23.94	17.94	0.0006	4.09	4.09	113
EX3S36	10YR-24HR	26.70	20.50	0.0003	2.47	2.47	117
EX3S37	10YR-24HR	7.69	7.13	0.0010	3.94	4.16	113
EX3S38	10YR-24HR	7.90	5.66	0.0006	2.10	2.04	180
EX3S41	10YR-24HR	7.12	5.61	0.0005	1.82	1.77	173
EX3S44	10YR-24HR	9.00	5.61	0.0010	20.27	20.24	487
EX3S45	10YR-24HR	7.17	5.69	0.0010	3.34	3.29	113
EX3S47	10YR-24HR	6.91	5.74	0.0007	1.75	1.70	113
EX3S48	10YR-24HR	24.29	20.03	0.0007	4.67	4.67	113
EX3S49	10YR-24HR	23.99	6.40	0.0010	8.45	8.38	132

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX3S50	10YR-24HR	11.17	6.68	0.0002	1.05	1.05	113
EX3S51	10YR-24HR	22.52	5.37	0.0005	2.41	2.37	113
EX3S52	10YR-24HR	16.29	5.70	0.0009	3.94	3.88	113
EX3S53	10YR-24HR	11.17	5.50	0.0006	3.67	3.64	113
EX3S55	10YR-24HR	6.60	5.21	0.0008	3.54	3.46	113
EX3S56	10YR-24HR	16.14	5.83	0.0010	7.87	7.88	113
EX3S57	10YR-24HR	22.64	13.82	0.0007	6.14	6.14	113
EX3S60	10YR-24HR	13.19	5.22	0.0010	4.77	4.72	113
EX3S61	10YR-24HR	15.60	10.22	0.0003	2.73	2.73	113
EX3S63	10YR-24HR	11.60	5.60	0.0010	5.04	5.04	113
EX3S64	10YR-24HR	11.45	7.34	0.0004	3.10	3.10	113
O302	10YR-24HR	3.45	2.45	0.0004	33.73	0.06	0
POND301	10YR-24HR	8.45	6.13	0.0006	24.65	11.83	19998
POND301EX	10YR-24HR	8.50	6.14	0.0006	17.15	1.27	26439
POND302	10YR-24HR	8.45	6.13	0.0006	16.11	6.57	13972
POND303	10YR-24HR	7.45	5.20	0.0007	61.99	10.59	66510
POND303A	10YR-24HR	7.45	5.20	0.0006	4.36	0.53	5883
PR301EX	10YR-24HR	13.00	6.13	0.0008	11.83	11.74	410
PR305A	10YR-24HR	7.00	5.54	0.0015	24.95	24.91	546
PR305A1	10YR-24HR	7.00	5.47	0.0008	14.98	14.94	938
PR305C	10YR-24HR	7.00	5.31	0.0011	31.44	31.42	1007
PR305C1	10YR-24HR	7.00	5.27	0.0010	30.47	29.84	1065
PR305D	10YR-24HR	7.00	5.60	0.0010	4.58	4.54	113
PR305E	10YR-24HR	6.45	5.17	0.0042	30.17	30.10	1182
PR305E+A	10YR-24HR	6.50	5.10	0.0032	33.96	33.74	300
PR305E+B	10YR-24HR	6.50	2.55	0.0010	33.74	33.73	126
PR3S15	10YR-24HR	9.39	6.13	0.0009	3.85	3.74	216
PR3S20	10YR-24HR	16.69	6.13	0.0041	7.48	7.34	275
PR3S22	10YR-24HR	22.13	16.93	0.0002	1.05	1.05	113
PR3S25	10YR-24HR	8.25	5.19	0.0010	26.21	26.16	540
PR3S39	10YR-24HR	9.00	6.35	0.0010	7.45	7.41	113
PR3S40	10YR-24HR	9.00	6.28	0.0010	17.75	17.48	954
PR3S42	10YR-24HR	7.95	5.50	0.0017	14.77	14.73	572
PR3S46	10YR-24HR	8.01	5.72	0.0006	18.06	17.73	1082
PR3S54	10YR-24HR	18.99	5.32	0.0006	4.27	4.24	113
PR3S55A	10YR-24HR	7.50	5.20	0.0014	21.03	20.93	1002
PR3S56A	10YR-24HR	8.00	5.21	0.0012	18.61	18.50	981
PR3S58	10YR-24HR	7.00	5.21	0.0011	11.35	11.25	891
PR3S59	10YR-24HR	7.00	5.21	0.0010	12.06	11.90	605
PR3S62	10YR-24HR	7.00	5.40	0.0010	7.34	7.35	311
SWALE301	10YR-24HR	8.45	7.13	0.0005	16.64	0.00	33972
SWALE302	10YR-24HR	8.00	7.06	0.0004	12.27	12.25	2328
SWALE303	10YR-24HR	8.00	6.13	0.0003	3.81	2.99	6999
SWALE305B	10YR-24HR	6.45	5.32	0.0005	16.14	16.53	12438
SWALECS301	10YR-24HR	7.20	5.58	0.0010	0.07	0.05	113
3GW1A	10YR-8HR	2.45	2.45	0.0001	0.96	0.00	0
3GW1B	10YR-8HR	2.45	2.45	0.0001	0.63	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
3GW1C	10YR-8HR	2.45	2.45	0.0001	1.14	0.00	0
3GW2	10YR-8HR	2.45	1.45	0.0000	1.62	0.00	0
CH3_1+A	10YR-8HR	7.65	7.36	0.0003	1.43	0.92	2758
CH3_1+B	10YR-8HR	7.45	7.36	0.0003	3.62	3.03	9664
CH3_1+C	10YR-8HR	7.05	7.35	0.0088	3.32	10.50	9213
CH3_1+D	10YR-8HR	6.95	7.35	0.0003	8.10	8.12	1957
CH3_3+A	10YR-8HR	17.00	7.95	0.0004	2.32	2.32	1336
CH3_3+B	10YR-8HR	8.95	7.52	0.0001	4.56	4.55	1934
CH3_3+C	10YR-8HR	6.53	5.04	0.0002	4.55	4.54	1996
CH3_3+D	10YR-8HR	6.59	4.75	0.0009	16.49	16.26	1296
EX3S01	10YR-8HR	32.59	26.51	0.0005	1.43	1.43	113
EX3S03	10YR-8HR	15.34	12.77	0.0010	2.84	2.84	113
EX3S05	10YR-8HR	6.25	7.35	0.0081	10.50	0.48	133
EX3S08	10YR-8HR	7.45	7.19	0.0003	9.58	9.58	227
EX3S13	10YR-8HR	9.07	6.19	0.0002	1.84	1.84	113
EX3S14	10YR-8HR	18.44	5.53	0.0006	0.49	0.46	113
EX3S16	10YR-8HR	6.66	5.54	0.0009	0.97	1.52	113
EX3S18	10YR-8HR	10.97	6.23	0.0002	1.06	1.06	113
EX3S19	10YR-8HR	15.47	11.06	0.0004	1.69	1.69	113
EX3S21	10YR-8HR	12.13	8.83	0.0002	0.69	0.69	113
EX3S23	10YR-8HR	6.64	4.78	0.0007	0.91	0.91	113
EX3S24	10YR-8HR	6.66	4.77	0.0010	0.80	0.80	113
EX3S26	10YR-8HR	22.75	14.24	0.0006	2.75	2.75	113
EX3S27	10YR-8HR	38.30	33.74	0.0001	0.43	0.43	113
EX3S28	10YR-8HR	26.50	22.03	0.0003	1.29	1.29	113
EX3S29	10YR-8HR	10.76	6.24	0.0003	1.32	1.32	113
EX3S30	10YR-8HR	20.28	16.92	0.0005	2.32	2.32	113
EX3S34	10YR-8HR	23.94	17.66	0.0005	2.24	2.24	113
EX3S36	10YR-8HR	26.70	20.29	0.0003	1.35	1.35	113
EX3S37	10YR-8HR	7.69	6.24	0.0010	2.15	2.85	113
EX3S38	10YR-8HR	7.90	4.83	0.0003	1.15	1.14	183
EX3S41	10YR-8HR	7.12	4.92	0.0010	0.99	0.99	174
EX3S44	10YR-8HR	9.00	4.79	0.0010	11.42	11.46	486
EX3S45	10YR-8HR	7.17	4.82	0.0009	1.84	1.83	113
EX3S47	10YR-8HR	6.91	4.84	0.0003	0.95	0.94	113
EX3S48	10YR-8HR	24.29	19.71	0.0006	2.55	2.55	113
EX3S49	10YR-8HR	23.99	5.08	0.0005	4.62	4.61	126
EX3S50	10YR-8HR	11.17	6.54	0.0001	0.57	0.57	113
EX3S51	10YR-8HR	22.52	4.76	0.0005	1.32	1.36	113
EX3S52	10YR-8HR	16.29	4.86	0.0010	2.15	3.27	113
EX3S53	10YR-8HR	11.17	4.80	0.0004	2.01	2.01	113
EX3S55	10YR-8HR	6.60	4.78	0.0010	1.93	1.93	113
EX3S56	10YR-8HR	16.14	4.99	0.0010	4.30	4.30	113
EX3S57	10YR-8HR	22.64	13.30	0.0006	3.36	3.36	113
EX3S60	10YR-8HR	13.19	4.79	0.0010	2.61	2.98	113
EX3S61	10YR-8HR	15.60	10.00	0.0003	1.49	1.49	113
EX3S63	10YR-8HR	11.60	5.08	0.0010	2.75	2.75	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX3S64	10YR-8HR	11.45	7.06	0.0004	1.69	1.69	113
O302	10YR-8HR	3.45	2.45	0.0006	17.66	0.14	0
POND301	10YR-8HR	8.45	5.54	0.0004	16.07	11.20	18951
POND301EX	10YR-8HR	8.50	5.54	0.0005	13.18	1.41	25138
POND302	10YR-8HR	8.45	5.53	0.0004	8.85	4.54	13254
POND303	10YR-8HR	7.45	4.77	0.0005	36.57	8.19	65452
POND303A	10YR-8HR	7.45	4.78	0.0008	3.79	0.33	5513
PR301EX	10YR-8HR	13.00	5.54	0.0010	11.20	11.02	408
PR305A	10YR-8HR	7.00	4.77	0.0010	14.05	14.22	546
PR305A1	10YR-8HR	7.00	4.76	0.0008	10.77	10.68	941
PR305C	10YR-8HR	7.00	4.74	0.0015	19.41	16.81	1007
PR305C1	10YR-8HR	7.00	4.72	0.0009	16.01	15.74	1066
PR305D	10YR-8HR	7.00	4.83	0.0011	3.45	2.50	113
PR305E	10YR-8HR	6.45	4.70	0.0040	15.91	16.96	1182
PR305E+A	10YR-8HR	6.50	4.68	0.0030	19.30	17.67	302
PR305E+B	10YR-8HR	6.50	2.46	0.0010	17.67	17.66	126
PR3S15	10YR-8HR	9.39	5.54	0.0005	2.31	2.24	216
PR3S20	10YR-8HR	16.69	5.53	0.0009	4.33	4.24	275
PR3S22	10YR-8HR	22.13	16.79	0.0001	0.57	0.57	113
PR3S25	10YR-8HR	8.25	4.77	0.0010	17.06	17.04	567
PR3S39	10YR-8HR	9.00	5.68	0.0010	4.07	4.07	113
PR3S40	10YR-8HR	9.00	5.62	0.0007	9.73	9.71	942
PR3S42	10YR-8HR	7.95	4.75	0.0010	10.45	10.51	572
PR3S46	10YR-8HR	8.01	4.86	0.0004	10.03	9.99	1079
PR3S54	10YR-8HR	18.99	4.75	0.0006	2.35	2.37	113
PR3S55A	10YR-8HR	7.50	4.78	0.0013	10.48	10.05	1001
PR3S56A	10YR-8HR	8.00	4.78	0.0013	9.55	9.18	981
PR3S58	10YR-8HR	7.00	4.78	0.0014	6.04	5.66	891
PR3S59	10YR-8HR	7.00	4.78	0.0009	6.82	6.36	601
PR3S62	10YR-8HR	7.00	5.02	0.0010	3.94	3.93	306
SWALE301	10YR-8HR	8.45	6.24	0.0004	8.82	0.00	28545
SWALE302	10YR-8HR	8.00	6.84	0.0003	9.69	9.68	1964
SWALE303	10YR-8HR	8.00	5.54	0.0001	2.21	1.82	5327
SWALE305B	10YR-8HR	6.45	4.74	0.0004	8.79	12.43	11182
SWALECS301	10YR-8HR	7.20	5.04	0.0010	0.37	0.02	113
3GW1A	25YR-72HR	2.45	2.45	0.0001	1.63	0.00	0
3GW1B	25YR-72HR	2.45	2.45	0.0001	1.05	0.00	0
3GW1C	25YR-72HR	2.45	2.45	0.0001	1.88	0.00	0
3GW2	25YR-72HR	2.45	1.45	0.0000	2.16	0.00	0
CH3_1+A	25YR-72HR	7.65	8.18	0.0005	2.87	1.16	3713
CH3_1+B	25YR-72HR	7.45	8.18	0.0005	11.28	4.23	12635
CH3_1+C	25YR-72HR	7.05	8.18	0.0088	11.45	10.50	11685
CH3_1+D	25YR-72HR	6.95	8.17	0.0005	17.75	15.99	2452
CH3_3+A	25YR-72HR	17.00	8.18	0.0004	4.65	4.57	1743
CH3_3+B	25YR-72HR	8.95	7.78	0.0003	9.03	8.77	2761
CH3_3+C	25YR-72HR	6.53	6.26	0.0005	8.77	8.23	3481
CH3_3+D	25YR-72HR	6.59	6.25	0.0010	22.08	20.65	1735

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX3S01	25YR-72HR	32.59	26.77	0.0005	2.87	2.87	113
EX3S03	25YR-72HR	15.34	13.13	0.0020	5.69	8.03	113
EX3S05	25YR-72HR	6.25	8.18	0.0081	10.50	1.88	133
EX3S08	25YR-72HR	7.45	7.89	0.0010	12.50	12.50	227
EX3S13	25YR-72HR	9.07	7.36	0.0013	3.65	3.64	113
EX3S14	25YR-72HR	18.44	7.35	0.0008	0.98	1.04	113
EX3S16	25YR-72HR	6.66	7.36	0.0006	1.95	1.86	131
EX3S18	25YR-72HR	10.97	7.36	0.0007	2.13	2.11	113
EX3S19	25YR-72HR	15.47	11.35	0.0004	3.39	3.39	113
EX3S21	25YR-72HR	12.13	9.00	0.0003	1.38	1.38	113
EX3S23	25YR-72HR	6.64	6.31	0.0005	1.87	1.77	113
EX3S24	25YR-72HR	6.66	6.29	0.0005	1.61	1.51	113
EX3S26	25YR-72HR	22.75	14.72	0.0010	5.52	5.44	113
EX3S27	25YR-72HR	38.30	33.88	0.0002	0.86	0.86	113
EX3S28	25YR-72HR	26.50	22.26	0.0003	2.59	2.58	113
EX3S29	25YR-72HR	10.76	7.55	0.0010	2.64	3.64	113
EX3S30	25YR-72HR	20.28	17.28	0.0006	4.65	4.65	113
EX3S34	25YR-72HR	23.94	18.01	0.0005	4.48	4.48	113
EX3S36	25YR-72HR	26.70	20.53	0.0003	2.70	2.70	117
EX3S37	25YR-72HR	7.69	7.57	0.0010	4.31	4.23	113
EX3S38	25YR-72HR	7.90	6.30	0.0006	2.30	2.19	157
EX3S41	25YR-72HR	7.12	6.29	0.0006	2.01	1.90	149
EX3S44	25YR-72HR	9.00	6.25	0.0024	22.12	22.03	485
EX3S45	25YR-72HR	7.17	6.34	0.0009	3.70	3.60	113
EX3S47	25YR-72HR	6.91	6.39	0.0007	1.98	1.88	113
EX3S48	25YR-72HR	24.29	20.08	0.0006	5.11	5.11	113
EX3S49	25YR-72HR	23.99	6.91	0.0010	9.25	9.16	132
EX3S50	25YR-72HR	11.17	6.70	0.0003	1.15	1.15	113
EX3S51	25YR-72HR	22.52	5.69	0.0005	2.64	2.58	113
EX3S52	25YR-72HR	16.29	6.09	0.0012	4.31	4.24	113
EX3S53	25YR-72HR	11.17	5.74	0.0006	4.02	3.98	113
EX3S55	25YR-72HR	6.60	6.32	0.0007	3.90	3.79	113
EX3S56	25YR-72HR	16.14	7.41	0.0010	8.62	8.49	113
EX3S57	25YR-72HR	22.64	13.93	0.0007	6.72	6.72	113
EX3S60	25YR-72HR	13.19	6.61	0.0010	5.22	5.11	113
EX3S61	25YR-72HR	15.60	10.27	0.0003	2.99	2.98	113
EX3S63	25YR-72HR	11.60	6.86	0.0010	5.51	5.40	113
EX3S64	25YR-72HR	11.45	7.40	0.0004	3.39	3.39	113
O302	25YR-72HR	3.45	2.45	0.0002	41.49	0.00	0
POND301	25YR-72HR	8.45	7.36	0.0006	24.39	9.98	22073
POND301EX	25YR-72HR	8.50	7.36	0.0004	16.63	1.64	29105
POND302	25YR-72HR	8.45	7.35	0.0006	16.23	5.75	15969
POND303	25YR-72HR	7.45	6.31	0.0006	62.46	15.93	69703
POND303A	25YR-72HR	7.45	6.31	0.0005	5.01	1.01	7222
PR301EX	25YR-72HR	13.00	7.36	0.0010	7.66	7.60	403
PR305A	25YR-72HR	7.00	6.19	0.0021	27.35	27.26	546
PR305A1	25YR-72HR	7.00	6.01	0.0008	24.34	24.35	928

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR305C	25YR-72HR	7.00	5.63	0.0016	38.39	38.36	1007
PR305C1	25YR-72HR	7.00	5.55	0.0009	37.34	37.30	1065
PR305D	25YR-72HR	7.00	5.97	0.0012	5.18	5.12	113
PR305E	25YR-72HR	6.45	5.38	0.0040	37.68	37.68	1182
PR305E+A	25YR-72HR	6.50	5.28	0.0030	41.51	41.49	300
PR305E+B	25YR-72HR	6.50	2.62	0.0011	41.49	41.49	126
PR3S15	25YR-72HR	9.39	7.35	0.0009	1.64	1.52	215
PR3S20	25YR-72HR	16.69	7.35	0.0010	5.21	5.11	275
PR3S22	25YR-72HR	22.13	16.95	0.0003	1.15	1.15	113
PR3S25	25YR-72HR	8.25	6.29	0.0010	22.16	22.06	442
PR3S39	25YR-72HR	9.00	6.92	0.0010	8.16	8.06	113
PR3S40	25YR-72HR	9.00	6.82	0.0010	19.37	18.82	953
PR3S42	25YR-72HR	7.95	6.23	0.0018	19.49	19.57	560
PR3S46	25YR-72HR	8.01	6.37	0.0007	19.44	19.35	1079
PR3S54	25YR-72HR	18.99	5.53	0.0008	4.67	4.63	113
PR3S55A	25YR-72HR	7.50	6.31	0.0014	22.42	22.32	992
PR3S56A	25YR-72HR	8.00	6.31	0.0014	20.13	20.04	981
PR3S58	25YR-72HR	7.00	6.31	0.0010	12.43	12.34	891
PR3S59	25YR-72HR	7.00	6.41	0.0010	13.34	13.25	556
PR3S62	25YR-72HR	7.00	6.63	0.0010	8.33	8.23	231
SWALE301	25YR-72HR	8.45	7.55	0.0004	21.44	4.25	36649
SWALE302	25YR-72HR	8.00	7.38	0.0004	12.72	12.83	2843
SWALE303	25YR-72HR	8.00	7.36	0.0005	5.22	0.91	11262
SWALE305B	25YR-72HR	6.45	5.64	0.0004	18.25	15.43	13113
SWALECS301	25YR-72HR	7.20	6.27	0.0010	4.25	4.26	113

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CH3_1+D_S08	100YR-1HR	10.54	-1.60	-0.03	3.34	3.34	3.34
CH3_1+SEC1	100YR-1HR	2.62	-0.37	-0.05	0.52	1.03	0.71
CH3_1+SEC2	100YR-1HR	4.96	-2.50	0.06	0.49	1.42	0.84
CH3_1+SEC3	100YR-1HR	8.38	-12.69	0.37	-0.97	-3.37	-2.15
CH3_3+SEC1	100YR-1HR	6.24	0.00	0.00	0.70	1.54	0.96
CH3_3+SEC2	100YR-1HR	11.99	0.00	0.01	2.70	2.90	2.19
CH3_3+SEC3	100YR-1HR	12.16	0.00	0.02	0.87	2.79	1.78
CSPR305E_WEIR	100YR-1HR	45.31	0.00	-0.09	3.87	3.87	3.87
CSSWALE301_WEIR	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX3S01_CH3_1+A	100YR-1HR	3.92	0.00	0.05	4.72	21.06	12.89
EX3S03_CH3_1+B	100YR-1HR	17.13	0.00	-9.39	13.96	30.11	19.82
EX3S05_CH3_1+C	100YR-1HR	0.75	-10.50	0.48	-2.37	-4.92	-3.65
EX3S08_SWALE302	100YR-1HR	12.27	0.00	0.04	3.89	3.89	3.89
EX3S16_SWALE303	100YR-1HR	2.65	0.00	-0.01	2.19	3.79	2.99
EX3S18_S13	100YR-1HR	2.90	0.00	0.03	2.62	2.36	2.44
EX3S19_P01	100YR-1HR	4.63	0.00	-0.05	5.06	17.38	11.22
EX3S21_P03	100YR-1HR	1.88	0.00	0.02	3.65	15.18	9.42
EX3S23_P03	100YR-1HR	2.27	0.00	-0.11	3.88	4.48	4.18
EX3S24_S25	100YR-1HR	2.57	0.00	-0.46	3.76	3.64	3.52
EX3S26_P02	100YR-1HR	7.51	0.00	-0.05	6.12	21.18	13.65
EX3S27_SW01	100YR-1HR	1.18	0.00	0.02	3.17	15.16	9.16
EX3S28_SW01	100YR-1HR	3.53	0.00	-0.05	4.53	20.47	12.50
EX3S29_SW01	100YR-1HR	3.61	0.00	0.05	4.57	6.61	5.59
EX3S30_CH3_3+A	100YR-1HR	6.34	0.00	-0.05	5.46	14.02	9.59
EX3S34_CH3_3+B	100YR-1HR	6.11	0.00	-0.05	5.46	21.86	13.42
EX3S36_S49	100YR-1HR	3.69	0.00	0.05	4.61	5.25	4.93
EX3S37_SW01	100YR-1HR	5.87	0.00	-0.24	5.46	6.52	5.94
EX3S38_S44	100YR-1HR	2.96	0.00	0.00	2.27	3.72	2.96
EX3S41_S42	100YR-1HR	2.48	0.00	-0.01	3.36	3.70	3.32
EX3S44_PR305A	100YR-1HR	30.29	-0.37	-0.81	4.84	4.74	4.56
EX3S45_PR30	100YR-1HR	4.34	-0.06	-0.12	3.54	3.54	3.54

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
5A							
EX3S47_S45	100YR-1HR	2.20	0.00	-0.04	2.52	1.79	1.92
EX3S48_S49	100YR-1HR	6.97	0.00	-0.05	5.68	8.88	7.28
EX3S49_SWALE305B	100YR-1HR	12.42	0.00	-0.01	10.12	10.12	10.12
EX3S50_PR305A1	100YR-1HR	1.57	0.00	-0.02	3.45	3.76	3.61
EX3S52_PR305D	100YR-1HR	5.71	0.00	-1.71	5.42	19.73	12.56
EX3S53_S54	100YR-1HR	5.38	0.00	0.72	5.11	8.28	6.35
EX3S55_PR3S55A	100YR-1HR	5.08	0.00	0.31	4.14	5.17	4.55
EX3S56_PR3S56A	100YR-1HR	11.65	0.00	0.16	9.49	9.49	9.49
EX3S57_S56	100YR-1HR	9.17	0.00	-0.05	7.47	7.70	7.58
EX3S60_PR3S59	100YR-1HR	7.04	0.00	-0.13	5.73	6.16	5.82
EX3S61_S60	100YR-1HR	4.08	0.00	-0.02	3.99	4.80	4.25
EX3S63_PR3S62	100YR-1HR	7.46	0.00	0.31	6.08	6.08	6.08
EX3S64_S63	100YR-1HR	4.62	0.00	-0.03	3.82	5.07	4.44
PR305A1_3GW2	100YR-1HR	1.16	0.00	0.00	0.00	0.00	0.00
PR305A1_PR305C	100YR-1HR	19.19	-0.08	-1.55	2.72	2.72	2.72
PR305A_PR305A1	100YR-1HR	18.86	0.00	-2.32	2.75	3.11	2.70
PR305C1_PR305E	100YR-1HR	39.81	-4.14	4.46	2.50	2.50	2.50
PR305C_3GW2	100YR-1HR	1.06	0.00	0.00	0.00	0.00	0.00
PR305C_PR305C1	100YR-1HR	39.81	-0.31	-4.80	3.97	2.50	2.97
PR305D_SWALE305B	100YR-1HR	6.25	0.00	0.19	3.61	3.54	3.54
PR305E+B_O02	100YR-1HR	45.31	0.00	1.71	3.02	3.03	3.03
PR305E_PR305E+A	100YR-1HR	40.15	-6.15	7.58	2.52	2.52	2.52
PR354_PR305E+A	100YR-1HR	6.24	-0.12	0.59	5.08	7.77	6.26
PR3S15_S20	100YR-1HR	5.17	-0.02	-0.03	2.46	1.93	2.19
PR3S20_POND303	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
PR3S22_P02	100YR-1HR	1.57	0.00	-0.02	3.45	15.69	9.57
PR3S25_CH3_3+D	100YR-1HR	3.83	-31.99	1.32	-4.53	-4.54	-4.53

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR3S39_S40	100YR-1HR	10.88	0.00	0.14	4.09	3.46	3.54
PR3S40_S46	100YR-1HR	25.99	0.00	-0.03	5.12	4.42	4.73
PR3S42_PR305A	100YR-1HR	4.27	-17.35	-2.68	-2.45	-2.45	-2.45
PR3S46_S44	100YR-1HR	26.70	0.00	-0.18	4.16	5.40	4.69
PR3S55A_3GW1C	100YR-1HR	0.67	0.00	0.00	0.00	0.00	0.00
PR3S55A_POND303	100YR-1HR	29.72	-2.81	1.75	4.21	6.87	5.54
PR3S56A_3GW1B	100YR-1HR	0.45	0.00	0.00	0.00	0.00	0.00
PR3S56A_3GW1C	100YR-1HR	0.81	0.00	0.00	0.00	0.00	0.00
PR3S56A_55A	100YR-1HR	25.39	-2.48	-2.02	3.59	3.59	3.59
PR3S58_3GW1A	100YR-1HR	0.71	0.00	0.00	0.00	0.00	0.00
PR3S58_3GW1B	100YR-1HR	0.47	0.00	0.00	0.00	0.00	0.00
PR3S58_S56A	100YR-1HR	14.88	-2.12	1.86	2.11	-2.63	2.11
PR3S59_3GW1A	100YR-1HR	0.75	0.00	0.00	0.00	0.00	0.00
PR3S59_S58	100YR-1HR	16.00	-1.06	1.06	2.26	2.26	2.26
PR3S62_S59	100YR-1HR	9.82	0.00	-0.01	3.68	5.23	4.41
PR_301EX_P301	100YR-1HR	1.19	-13.53	0.64	-4.31	-5.15	-4.72
PR_CH3_3+D_S42	100YR-1HR	4.31	-20.77	2.86	-1.47	-2.09	-1.47
PR_EX3S13_P301	100YR-1HR	5.01	0.00	-0.84	4.78	5.34	5.06
PR_EX3S14_S20	100YR-1HR	1.30	0.00	0.07	2.73	3.06	2.69
PR_EX3S51_PR305C	100YR-1HR	3.46	0.00	0.39	3.94	6.62	5.05
PR_P01EX_301EX	100YR-1HR	1.09	-13.47	0.53	-5.75	-6.01	-5.74
PR_P01_P02	100YR-1HR	2.93	-7.79	0.08	-2.42	-3.73	-2.93
PR_P02_P03	100YR-1HR	4.01	0.00	0.00	5.10	5.47	5.19
PR_P03_S25	100YR-1HR	3.80	-33.86	-1.30	-4.80	-7.22	-6.01
PR_P303A_303	100YR-1HR	0.29	-4.72	0.01	-2.67	-4.34	-3.25
PR_S20_P302	100YR-1HR	10.25	-0.02	-0.07	2.64	4.83	3.64
PR_SWALE302_P301	100YR-1HR	12.39	0.00	-0.07	5.91	7.45	6.68
PR_SWALE303_S15	100YR-1HR	4.06	-0.01	0.05	3.80	2.56	3.18
SWALE305B_PR305C	100YR-1HR	22.12	-10.75	9.07	4.35	7.16	5.47

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
SWALECS301_3+C	100YR-1HR	0.12	-1.74	0.02	-1.38	-3.09	-2.23
CH3_1+D_S08	100YR-24HR	12.48	-0.08	-0.09	3.95	3.95	3.95
CH3_1+SEC1	100YR-24HR	1.40	0.00	-0.13	0.19	0.29	0.21
CH3_1+SEC2	100YR-24HR	4.69	-4.62	0.33	0.24	0.48	0.32
CH3_1+SEC3	100YR-24HR	7.06	-14.25	-0.98	-0.43	-0.75	-0.45
CH3_3+SEC1	100YR-24HR	6.30	0.00	0.00	0.69	1.54	0.94
CH3_3+SEC2	100YR-24HR	11.82	0.00	-0.01	2.57	1.40	1.86
CH3_3+SEC3	100YR-24HR	11.82	0.00	0.38	0.67	2.38	1.50
CSPR305E_WEIR	100YR-24HR	54.29	0.00	-0.10	4.11	4.11	4.11
CSSWALE301_WEIR	100YR-24HR	3.43	0.00	0.00	1.75	1.75	1.75
EX3S01_CH3_1+A	100YR-24HR	3.97	0.00	-0.05	4.75	21.14	12.95
EX3S03_CH3_1+B	100YR-24HR	16.03	0.00	-9.32	13.39	31.51	20.73
EX3S05_CH3_1+C	100YR-24HR	2.06	-10.50	-1.29	-2.37	-4.92	-3.65
EX3S08_SWALE302	100YR-24HR	14.99	0.00	0.05	4.75	4.75	4.75
EX3S16_SWALE303	100YR-24HR	2.57	0.00	0.54	3.35	3.61	3.26
EX3S18_S13	100YR-24HR	2.94	0.00	-0.05	2.62	2.39	2.44
EX3S19_P01	100YR-24HR	4.69	0.00	0.05	5.09	17.45	11.27
EX3S21_P03	100YR-24HR	1.91	0.00	0.02	3.67	15.24	9.46
EX3S23_P03	100YR-24HR	2.45	0.00	-0.57	3.47	2.78	3.12
EX3S24_S25	100YR-24HR	2.09	0.00	0.30	3.33	3.18	3.10
EX3S26_P02	100YR-24HR	7.62	0.00	-0.05	6.21	21.27	13.74
EX3S27_SW01	100YR-24HR	1.19	0.00	0.02	3.18	15.22	9.20
EX3S28_SW01	100YR-24HR	3.58	0.00	-0.05	4.55	20.55	12.55
EX3S29_SW01	100YR-24HR	3.73	0.00	-0.49	4.33	6.37	5.35
EX3S30_CH3_3+A	100YR-24HR	6.43	0.00	-0.05	5.46	14.07	9.66
EX3S34_CH3_3+B	100YR-24HR	6.19	0.00	-0.05	5.46	21.95	13.50
EX3S36_S49	100YR-24HR	3.74	0.00	-0.05	4.63	5.27	4.95
EX3S37_SW01	100YR-24HR	5.84	0.00	0.17	4.76	4.76	4.76
EX3S38_S44	100YR-24HR	3.05	0.00	-0.39	1.72	2.34	1.79
EX3S41_S42	100YR-24HR	2.63	0.00	-0.06	2.90	2.34	2.24
EX3S44_PR305A	100YR-24HR	31.12	-0.51	4.85	3.07	3.07	3.07

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX3S45_PR305A	100YR-24HR	4.94	-0.08	-0.38	4.03	4.03	4.03
EX3S47_S45	100YR-24HR	2.57	0.00	-0.06	2.09	2.09	2.09
EX3S48_S49	100YR-24HR	7.07	0.00	-0.05	5.76	8.90	7.33
EX3S49_SWALE305B	100YR-24HR	12.67	0.00	0.03	10.33	10.33	10.33
EX3S50_PR305A1	100YR-24HR	1.76	0.00	0.10	3.58	3.74	3.59
EX3S52_PR305D	100YR-24HR	5.86	0.00	2.50	4.78	4.78	4.78
EX3S53_S54	100YR-24HR	5.52	0.00	0.15	4.49	4.49	4.49
EX3S55_PR3S55A	100YR-24HR	5.24	0.00	-0.35	4.27	4.27	4.27
EX3S56_PR3S56A	100YR-24HR	11.75	0.00	-0.39	9.58	9.58	9.58
EX3S57_S56	100YR-24HR	9.30	0.00	-0.05	7.58	7.80	7.69
EX3S60_PR3S59	100YR-24HR	7.07	-0.01	-0.44	5.76	5.76	5.76
EX3S61_S60	100YR-24HR	4.13	0.00	0.02	3.99	4.82	4.26
EX3S63_PR3S62	100YR-24HR	7.30	0.00	-0.28	5.95	5.95	5.95
EX3S64_S63	100YR-24HR	4.52	0.00	-0.03	3.74	4.91	4.30
PR305A1_3GW2	100YR-24HR	1.36	0.00	0.00	0.00	0.00	0.00
PR305A1_PR305C	100YR-24HR	26.20	-2.13	-1.76	3.71	3.71	3.71
PR305A_PR305A1	100YR-24HR	27.08	-1.60	2.10	3.83	3.83	3.83
PR305C1_PR305E	100YR-24HR	48.49	-1.62	4.44	3.05	3.05	3.05
PR305C_3GW2	100YR-24HR	1.18	0.00	0.00	0.00	0.00	0.00
PR305C_PR305C1	100YR-24HR	48.48	-0.65	5.43	3.05	3.05	3.05
PR305D_SWALE305B	100YR-24HR	7.01	0.00	-0.17	3.97	3.97	3.97
PR305E+B_O02	100YR-24HR	54.29	-0.04	-4.03	3.41	3.41	3.41
PR305E_PR305E+A	100YR-24HR	48.99	-2.97	7.98	3.08	3.08	3.08
PR354_PR305E+A	100YR-24HR	6.43	-0.13	0.44	5.24	5.24	5.24
PR3S15_S20	100YR-24HR	2.78	-1.29	0.86	2.06	1.08	1.43
PR3S20_POND303	100YR-24HR	1.16	0.00	-0.02	3.04	3.45	3.24
PR3S22_P02	100YR-24HR	1.59	0.00	0.02	3.47	15.31	9.34
PR3S25_CH3	100YR-24HR	14.97	-29.28	1.21	-4.14	-4.14	-4.14

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
_3+D							
PR3S39_S40	100YR-24HR	11.15	0.00	0.10	4.30	3.55	3.55
PR3S40_S46	100YR-24HR	26.66	0.00	-0.05	4.72	3.77	3.87
PR3S42_PR305A	100YR-24HR	21.63	-16.19	-3.16	3.06	3.06	3.06
PR3S46_S44	100YR-24HR	27.41	0.00	2.45	3.88	3.88	3.88
PR3S55A_3GW1C	100YR-24HR	1.13	0.00	0.00	0.00	0.00	0.00
PR3S55A_POND303	100YR-24HR	29.76	-2.78	-1.78	4.21	4.21	4.21
PR3S56A_3GW1B	100YR-24HR	0.66	0.00	0.00	0.00	0.00	0.00
PR3S56A_3GW1C	100YR-24HR	1.19	0.00	0.00	0.00	0.00	0.00
PR3S56A_55A	100YR-24HR	25.65	-2.47	-2.12	3.63	3.63	3.63
PR3S58_3GW1A	100YR-24HR	1.04	0.00	0.00	0.00	0.00	0.00
PR3S58_3GW1B	100YR-24HR	0.68	0.00	0.00	0.00	0.00	0.00
PR3S58_S56A	100YR-24HR	15.07	-2.10	2.68	2.13	2.13	2.13
PR3S59_3GW1A	100YR-24HR	1.09	0.00	0.00	0.00	0.00	0.00
PR3S59_S58	100YR-24HR	16.89	-2.84	1.83	2.39	2.39	2.39
PR3S62_S59	100YR-24HR	11.05	0.00	-0.75	3.52	4.48	3.78
PR_301EX_P301	100YR-24HR	1.70	-10.29	0.19	-3.28	-3.71	-3.28
PR_CH3_3+D_S42	100YR-24HR	21.07	-19.65	-7.37	1.49	1.49	1.49
PR_EX3S13_P301	100YR-24HR	5.08	0.00	-0.84	4.78	5.34	5.06
PR_EX3S14_S20	100YR-24HR	1.89	-0.08	1.10	2.02	2.31	2.06
PR_EX3S51_PR305C	100YR-24HR	3.57	0.00	0.39	2.91	2.91	2.91
PR_P01EX_301EX	100YR-24HR	1.69	-10.21	-0.47	-3.86	-3.25	-3.25
PR_P01_P02	100YR-24HR	4.95	-4.91	0.02	-0.87	-1.30	-0.90
PR_P02_P03	100YR-24HR	6.22	-0.44	0.00	7.92	7.92	7.92
PR_P03_S25	100YR-24HR	14.76	-31.23	2.22	-4.42	-4.51	-4.42
PR_P303A_303	100YR-24HR	1.13	-4.71	0.02	-2.66	-2.83	-2.66
PR_S20_P302	100YR-24HR	7.56	-5.31	-5.31	1.73	2.35	1.76
PR_SWALE302_P301	100YR-24HR	15.44	0.00	-1.81	6.22	7.67	6.95
PR_SWALE303_S15	100YR-24HR	1.95	-1.68	-0.28	3.53	2.09	2.59
SWALE305B_	100YR-24HR	21.30	-0.06	-13.72	2.85	1.70	2.23

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR305C							
SWALECS301_3+C	100YR-24HR	3.44	-0.16	-1.51	1.08	-1.40	0.94
CH3_1+D_S08	100YR-8HR	10.66	-0.54	-0.50	3.38	3.38	3.38
CH3_1+SEC1	100YR-8HR	1.15	0.00	0.11	0.31	0.71	0.45
CH3_1+SEC2	100YR-8HR	4.30	0.00	0.08	0.38	1.31	0.78
CH3_1+SEC3	100YR-8HR	6.83	-3.05	-0.45	-0.33	-1.66	-0.99
CH3_3+SEC1	100YR-8HR	3.28	0.00	0.00	0.59	1.48	0.89
CH3_3+SEC2	100YR-8HR	6.43	0.00	-0.01	2.35	1.38	1.72
CH3_3+SEC3	100YR-8HR	6.04	0.00	-0.02	0.77	2.50	1.58
CSPR305E_WEIR	100YR-8HR	29.70	0.00	0.10	3.36	3.36	3.36
CSSWALE301_WEIR	100YR-8HR	0.87	0.00	0.00	1.11	1.11	1.11
EX3S01_CH3_1+A	100YR-8HR	2.03	0.00	-0.02	3.74	17.33	10.54
EX3S03_CH3_1+B	100YR-8HR	4.01	0.00	-0.05	4.77	15.83	10.30
EX3S05_CH3_1+C	100YR-8HR	1.68	-10.50	-1.46	-2.37	-4.92	-3.65
EX3S08_SWALE302	100YR-8HR	13.10	0.00	0.24	4.15	4.15	4.15
EX3S16_SWALE303	100YR-8HR	1.76	0.00	-0.44	3.32	3.16	3.24
EX3S18_S13	100YR-8HR	1.50	0.00	0.04	2.49	1.91	2.20
EX3S19_P01	100YR-8HR	2.39	0.00	-0.02	3.95	14.35	9.15
EX3S21_P03	100YR-8HR	0.97	0.00	-0.02	3.00	12.47	7.73
EX3S23_P03	100YR-8HR	1.69	0.00	-0.26	3.54	3.77	3.48
EX3S24_S25	100YR-8HR	1.18	0.00	0.58	2.93	2.95	2.85
EX3S26_P02	100YR-8HR	3.89	0.00	-0.05	4.71	17.56	11.13
EX3S27_SW01	100YR-8HR	0.61	0.00	-0.02	2.64	0.00	1.32
EX3S28_SW01	100YR-8HR	1.82	0.00	-0.02	3.62	16.84	10.23
EX3S29_SW01	100YR-8HR	1.86	0.00	-0.34	3.64	5.52	4.58
EX3S30_CH3_3+A	100YR-8HR	3.29	0.00	-0.05	4.41	11.67	8.04
EX3S34_CH3_3+B	100YR-8HR	3.16	0.00	0.05	4.35	18.07	11.21
EX3S36_S49	100YR-8HR	1.91	0.00	-0.02	3.67	4.43	4.05
EX3S37_SW01	100YR-8HR	3.39	0.00	-0.44	4.48	5.92	5.20
EX3S38_S44	100YR-8HR	1.60	0.00	-0.39	1.65	2.47	1.91
EX3S41_S42	100YR-8HR	1.40	0.00	-0.06	2.90	2.43	2.34
EX3S44_PR30	100YR-8HR	16.15	-0.40	5.45	3.07	3.17	3.04

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
5A							
EX3S45_PR305A	100YR-8HR	2.61	-0.09	-0.41	2.13	2.13	2.13
EX3S47_S45	100YR-8HR	1.34	0.00	-0.08	1.77	1.10	1.18
EX3S48_S49	100YR-8HR	3.61	0.00	-0.05	4.57	7.54	6.06
EX3S49_SWALE305B	100YR-8HR	6.51	0.00	0.02	5.31	5.31	5.31
EX3S50_PR305A1	100YR-8HR	0.81	0.00	-0.02	2.85	3.12	2.99
EX3S52_PR305D	100YR-8HR	3.29	0.00	-2.75	4.16	10.36	6.57
EX3S53_S54	100YR-8HR	2.83	0.00	0.14	3.00	5.09	3.87
EX3S55_PR3S55A	100YR-8HR	2.67	0.00	-0.35	2.58	4.05	3.30
EX3S56_PR3S56A	100YR-8HR	6.02	0.00	0.35	4.91	5.74	5.31
EX3S57_S56	100YR-8HR	4.74	0.00	-0.05	4.17	5.13	4.53
EX3S60_PR3S59	100YR-8HR	3.62	0.00	-0.44	3.72	4.57	3.96
EX3S61_S60	100YR-8HR	2.11	0.00	-0.02	3.79	3.97	3.88
EX3S63_PR3S62	100YR-8HR	3.85	0.00	-0.16	3.14	3.14	3.14
EX3S64_S63	100YR-8HR	2.39	0.00	-0.03	3.40	3.94	3.52
PR305A1_3GW2	100YR-8HR	0.97	0.00	0.00	0.00	0.00	0.00
PR305A1_PR305C	100YR-8HR	18.57	-1.71	-1.58	2.63	2.63	2.63
PR305A_PR305A1	100YR-8HR	19.25	-0.90	2.36	2.72	2.72	2.72
PR305C1_PR305E	100YR-8HR	26.46	-1.88	4.59	1.70	1.66	1.68
PR305C_3GW2	100YR-8HR	0.91	0.00	0.00	0.00	0.00	0.00
PR305C_PR305C1	100YR-8HR	26.54	-0.71	5.30	1.90	1.71	1.80
PR305D_SWALE305B	100YR-8HR	3.60	0.00	0.10	2.76	2.04	2.10
PR305E+B_O02	100YR-8HR	29.69	-0.01	4.18	1.88	1.87	1.87
PR305E_PR305E+A	100YR-8HR	26.75	-3.26	7.88	1.68	1.68	1.68
PR354_PR305E+A	100YR-8HR	3.31	-0.12	-0.38	2.92	4.35	3.49
PR3S15_S20	100YR-8HR	2.84	-0.65	0.72	2.26	1.26	1.73
PR3S20_POND303	100YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
PR3S22_P02	100YR-8HR	0.81	0.00	-0.02	2.85	12.81	7.83

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR3S25_CH3_3+D	100YR-8HR	12.37	-20.15	1.43	-2.85	-3.48	-3.16
PR3S39_S40	100YR-8HR	5.75	0.00	0.09	4.14	2.54	3.34
PR3S40_S46	100YR-8HR	13.64	0.00	-0.01	4.48	2.80	3.50
PR3S42_PR305A	100YR-8HR	14.83	-10.31	3.29	2.10	2.10	2.10
PR3S46_S44	100YR-8HR	13.88	0.00	2.11	2.88	3.50	3.09
PR3S55A_3GW1C	100YR-8HR	0.78	0.00	0.00	0.00	0.00	0.00
PR3S55A_POND303	100YR-8HR	15.00	-2.94	1.72	2.25	3.85	2.88
PR3S56A_3GW1B	100YR-8HR	0.43	0.00	0.00	0.00	0.00	0.00
PR3S56A_3GW1C	100YR-8HR	0.78	0.00	0.00	0.00	0.00	0.00
PR3S56A_55A	100YR-8HR	13.01	-2.67	-2.10	1.84	1.98	1.91
PR3S58_3GW1A	100YR-8HR	0.66	0.00	0.00	0.00	0.00	0.00
PR3S58_3GW1B	100YR-8HR	0.44	0.00	0.00	0.00	0.00	0.00
PR3S58_S56A	100YR-8HR	7.70	-3.01	-2.54	1.09	-1.29	1.09
PR3S59_3GW1A	100YR-8HR	0.66	0.00	0.00	0.00	0.00	0.00
PR3S59_S58	100YR-8HR	8.60	-1.05	-1.66	1.22	1.25	1.23
PR3S62_S59	100YR-8HR	5.66	0.00	-0.64	3.22	4.51	3.82
PR_301EX_P301	100YR-8HR	1.69	-12.70	0.14	-4.04	-5.16	-4.38
PR_CH3_3+D_S42	100YR-8HR	14.35	-12.20	-4.04	1.01	1.01	1.01
PR_EX3S13_P301	100YR-8HR	2.60	0.00	-0.45	4.06	4.79	4.43
PR_EX3S14_S20	100YR-8HR	0.83	0.00	0.66	2.44	2.61	2.30
PR_EX3S51_PR305C	100YR-8HR	1.87	0.00	0.34	2.50	4.10	3.15
PR_P01EX_301EX	100YR-8HR	1.68	-12.59	-1.18	-5.44	-5.24	-5.04
PR_P01_P02	100YR-8HR	4.01	-2.98	-0.05	-1.24	-2.47	-1.80
PR_P02_P03	100YR-8HR	5.42	0.00	0.00	6.91	6.91	6.91
PR_P03_S25	100YR-8HR	12.18	-21.16	2.20	-3.66	-6.03	-4.82
PR_P303A_303	100YR-8HR	0.76	-3.66	0.02	-2.07	-3.92	-2.76
PR_S20_P302	100YR-8HR	5.48	0.00	-2.10	1.98	3.06	2.28
PR_SWALE302_P301	100YR-8HR	13.30	0.00	-1.61	6.08	7.57	6.83
PR_SWALE303_S15	100YR-8HR	2.29	-0.68	0.34	3.70	2.39	2.77

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
SWALE305B_PR305C	100YR-8HR	16.09	0.00	-14.35	3.15	1.78	2.47
SWALECS301_3+C	100YR-8HR	0.87	-0.47	0.02	0.82	-2.19	-1.47
CH3_1+D_S08	10YR-1HR	7.04	-1.49	0.49	2.23	-2.63	2.23
CH3_1+SEC1	10YR-1HR	2.05	0.00	0.00	0.48	0.99	0.68
CH3_1+SEC2	10YR-1HR	3.21	-0.11	0.02	0.49	1.43	0.85
CH3_1+SEC3	10YR-1HR	5.31	-7.68	0.08	-0.86	-3.13	-1.98
CH3_3+SEC1	10YR-1HR	4.31	0.00	0.00	0.63	1.54	0.91
CH3_3+SEC2	10YR-1HR	8.49	0.00	0.01	2.52	2.75	2.07
CH3_3+SEC3	10YR-1HR	7.86	0.00	0.01	0.91	2.96	1.90
CSPR305E_WEIR	10YR-1HR	29.09	0.00	-0.12	3.34	3.34	3.34
CSSWALE301_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX3S01_CH3_1+A	10YR-1HR	2.69	0.00	-0.02	4.11	18.86	11.49
EX3S03_CH3_1+B	10YR-1HR	5.34	0.00	0.05	5.41	17.18	11.29
EX3S05_CH3_1+C	10YR-1HR	0.25	-10.50	0.43	-2.37	-4.92	-3.65
EX3S08_SWALE302	10YR-1HR	8.38	0.00	0.51	2.65	2.65	2.65
EX3S16_SWALE303	10YR-1HR	3.03	0.00	0.63	3.99	3.98	3.83
EX3S18_S13	10YR-1HR	1.99	0.00	0.02	2.53	2.10	2.31
EX3S19_P01	10YR-1HR	3.18	0.00	-0.05	4.36	15.59	9.97
EX3S21_P03	10YR-1HR	1.29	0.00	0.02	3.26	13.57	8.42
EX3S23_P03	10YR-1HR	1.46	0.00	0.02	3.38	3.98	3.68
EX3S24_S25	10YR-1HR	1.51	0.00	0.15	3.15	3.39	3.27
EX3S26_P02	10YR-1HR	5.17	0.00	0.05	5.33	19.06	12.19
EX3S27_SW01	10YR-1HR	0.81	0.00	0.02	2.85	13.54	8.19
EX3S28_SW01	10YR-1HR	2.42	0.00	-0.02	3.97	18.32	11.14
EX3S29_SW01	10YR-1HR	2.48	0.00	-0.02	4.00	5.98	4.99
EX3S30_CH3_3+A	10YR-1HR	4.37	0.00	-0.05	4.93	12.65	8.79
EX3S34_CH3_3+B	10YR-1HR	4.20	0.00	-0.05	4.86	19.63	12.24
EX3S36_S49	10YR-1HR	2.53	0.00	-0.02	4.02	4.78	4.40
EX3S37_SW01	10YR-1HR	4.04	0.00	-0.05	4.78	6.01	5.39
EX3S38_S44	10YR-1HR	2.02	0.00	-0.02	2.12	3.54	2.80
EX3S41_S42	10YR-1HR	1.73	0.00	-0.03	3.31	3.47	3.18

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX3S44_PR305A	10YR-1HR	19.88	-0.08	-0.93	4.67	4.55	4.40
EX3S45_PR305A	10YR-1HR	2.78	-0.03	0.16	3.12	3.01	2.95
EX3S47_S45	10YR-1HR	1.39	0.00	0.08	2.53	1.27	1.90
EX3S48_S49	10YR-1HR	4.80	0.00	-0.05	5.14	8.13	6.63
EX3S49_SWALE305B	10YR-1HR	8.50	0.00	-0.01	6.93	6.93	6.93
EX3S50_PR305A1	10YR-1HR	1.08	0.00	0.02	3.09	3.38	3.24
EX3S52_PR305D	10YR-1HR	4.48	0.00	-1.68	5.04	18.61	11.82
EX3S53_S54	10YR-1HR	4.06	0.00	0.62	4.79	7.96	6.06
EX3S55_PR3S55A	10YR-1HR	3.43	0.00	0.00	2.92	4.47	3.70
EX3S56_PR3S56A	10YR-1HR	8.08	0.00	-0.01	6.58	6.96	6.77
EX3S57_S56	10YR-1HR	6.30	0.00	-0.05	5.14	5.93	5.54
EX3S60_PR3S59	10YR-1HR	4.90	0.00	-0.13	4.00	5.20	4.59
EX3S61_S60	10YR-1HR	2.80	0.00	-0.02	3.99	4.18	4.06
EX3S63_PR3S62	10YR-1HR	5.16	0.00	0.32	4.20	4.20	4.20
EX3S64_S63	10YR-1HR	3.18	0.00	-0.03	3.40	4.36	3.84
PR305A1_3GW2	10YR-1HR	0.93	0.00	0.00	0.00	0.00	0.00
PR305A1_PR305C	10YR-1HR	12.73	-4.07	-2.05	1.80	2.10	1.80
PR305A_PR305A1	10YR-1HR	12.63	-3.82	2.68	2.67	2.99	2.59
PR305C1_PR305E	10YR-1HR	25.84	-3.68	4.41	1.67	1.62	1.65
PR305C_3GW2	10YR-1HR	0.90	0.00	0.00	0.00	0.00	0.00
PR305C_PR305C1	10YR-1HR	26.28	-0.68	6.10	3.82	1.81	2.82
PR305D_SWALE305B	10YR-1HR	4.10	0.00	0.21	3.61	2.89	3.20
PR305E+B_O02	10YR-1HR	29.08	0.00	3.04	1.99	1.95	1.97
PR305E_PR305E+A	10YR-1HR	26.21	-5.53	7.64	1.65	1.65	1.65
PR354_PR305E+A	10YR-1HR	4.20	-0.01	0.47	4.63	7.60	6.11
PR3S15_S20	10YR-1HR	2.92	0.00	-0.01	2.36	1.45	1.90
PR3S20_POND303	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR3S22_P02	10YR-1HR	1.08	0.00	0.02	3.09	14.02	8.56
PR3S25_CH3_3+D	10YR-1HR	1.01	-22.37	-0.46	-3.16	-3.67	-3.42
PR3S39_S40	10YR-1HR	7.62	0.00	0.13	4.15	2.97	3.41
PR3S40_S46	10YR-1HR	17.90	0.00	0.02	4.99	4.14	4.51
PR3S42_PR305A	10YR-1HR	2.16	-11.60	2.16	-1.64	-1.64	-1.64
PR3S46_S44	10YR-1HR	17.56	0.00	-0.08	3.98	5.19	4.51
PR3S55A_3GW1C	10YR-1HR	0.50	0.00	0.00	0.00	0.00	0.00
PR3S55A_POND303	10YR-1HR	19.39	-2.23	0.09	3.40	5.93	4.66
PR3S56A_3GW1B	10YR-1HR	0.32	0.00	0.00	0.00	0.00	0.00
PR3S56A_3GW1C	10YR-1HR	0.57	0.00	0.00	0.00	0.00	0.00
PR3S56A_55A	10YR-1HR	16.61	-1.80	-0.39	2.57	2.92	2.74
PR3S58_3GW1A	10YR-1HR	0.50	0.00	0.00	0.00	0.00	0.00
PR3S58_3GW1B	10YR-1HR	0.33	0.00	0.00	0.00	0.00	0.00
PR3S58_S56A	10YR-1HR	9.64	-1.65	-1.24	1.47	-2.54	-1.80
PR3S59_3GW1A	10YR-1HR	0.51	0.00	0.00	0.00	0.00	0.00
PR3S59_S58	10YR-1HR	10.54	-0.75	0.71	1.58	1.95	1.71
PR3S62_S59	10YR-1HR	6.40	0.00	-0.01	3.26	4.67	3.96
PR_301EX_P301	10YR-1HR	0.55	-8.19	-0.07	-2.90	-4.99	-3.91
PR_CH3_3+D_S42	10YR-1HR	2.12	-13.83	2.06	-0.98	-2.02	-1.25
PR_EX3S13_P301	10YR-1HR	3.45	0.00	0.05	4.49	5.15	4.82
PR_EX3S14_S20	10YR-1HR	0.89	0.00	0.07	2.67	3.03	2.66
PR_EX3S51_PR305C	10YR-1HR	2.35	0.00	-0.38	3.78	6.32	4.82
PR_P01EX_301EX	10YR-1HR	0.54	-9.28	1.24	-5.78	-5.31	-5.40
PR_P01_P02	10YR-1HR	1.38	-5.24	0.05	-2.15	-3.55	-2.73
PR_P02_P03	10YR-1HR	3.28	0.00	0.00	4.18	4.92	4.47
PR_P03_S25	10YR-1HR	0.93	-23.66	-0.30	-3.88	-6.33	-5.11
PR_P303A_303	10YR-1HR	0.10	-2.34	0.00	-1.41	-3.65	-2.51
PR_S20_P302	10YR-1HR	6.62	0.00	-0.02	2.21	4.31	3.23
PR_SWALE302_P301	10YR-1HR	8.41	0.00	-0.07	5.13	6.74	5.94
PR_SWALE30	10YR-1HR	2.13	0.00	0.05	3.62	2.22	2.88

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
3_S15							
SWALE305B_PR305C	10YR-1HR	18.41	-8.32	-16.14	4.20	6.85	5.24
SWALECS301_3+C	10YR-1HR	0.06	-1.52	0.02	-1.30	-2.98	-2.14
CH3_1+D_S08	10YR-24HR	10.38	-0.06	-0.05	3.29	3.29	3.29
CH3_1+SEC1	10YR-24HR	1.17	0.00	0.06	0.17	0.21	0.16
CH3_1+SEC2	10YR-24HR	4.33	-1.36	0.05	0.22	0.39	0.27
CH3_1+SEC3	10YR-24HR	6.69	-7.17	0.47	-0.34	-0.68	-0.36
CH3_3+SEC1	10YR-24HR	4.20	0.00	0.00	0.63	1.57	0.91
CH3_3+SEC2	10YR-24HR	8.18	0.00	-0.01	2.48	1.42	1.83
CH3_3+SEC3	10YR-24HR	8.19	0.00	0.01	0.75	2.49	1.57
CSPR305E_WEIR	10YR-24HR	33.74	0.00	0.12	3.51	3.51	3.51
CSSWALE301_WEIR	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX3S01_CH3_1+A	10YR-24HR	2.62	0.00	-0.02	4.07	18.72	11.39
EX3S03_CH3_1+B	10YR-24HR	5.19	0.00	-0.05	5.34	17.04	11.19
EX3S05_CH3_1+C	10YR-24HR	1.61	-10.50	-1.30	-2.37	-4.92	-3.65
EX3S08_SWALE302	10YR-24HR	12.09	0.00	-0.05	3.83	3.83	3.83
EX3S16_SWALE303	10YR-24HR	2.06	0.00	0.62	3.49	3.50	3.40
EX3S18_S13	10YR-24HR	1.94	0.00	0.02	2.52	2.07	2.29
EX3S19_P01	10YR-24HR	3.10	0.00	-0.05	4.32	15.47	9.89
EX3S21_P03	10YR-24HR	1.26	0.00	0.02	3.24	13.47	8.35
EX3S23_P03	10YR-24HR	2.21	0.00	0.33	3.85	4.06	3.76
EX3S24_S25	10YR-24HR	1.61	0.00	0.53	3.20	3.14	3.03
EX3S26_P02	10YR-24HR	5.04	0.00	0.05	5.26	18.91	12.09
EX3S27_SW01	10YR-24HR	0.79	0.00	-0.02	2.83	13.43	8.13
EX3S28_SW01	10YR-24HR	2.36	0.00	0.02	3.93	18.18	11.05
EX3S29_SW01	10YR-24HR	2.41	0.00	-0.15	3.96	5.93	4.95
EX3S30_CH3_3+A	10YR-24HR	4.25	0.00	-0.05	4.88	12.55	8.72
EX3S34_CH3_3+B	10YR-24HR	4.09	0.00	0.05	4.80	19.47	12.14
EX3S36_S49	10YR-24HR	2.47	0.00	-0.02	3.99	4.75	4.37
EX3S37_SW01	10YR-24HR	4.16	0.00	-0.50	4.85	5.69	5.04
EX3S38_S44	10YR-24HR	2.04	0.00	0.19	1.80	2.76	2.16

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX3S41_S42	10YR-24HR	1.77	0.00	-0.05	3.06	2.87	2.69
EX3S44_PR305A	10YR-24HR	20.24	-0.49	-4.26	2.00	2.00	2.00
EX3S45_PR305A	10YR-24HR	3.29	-0.08	-0.41	2.68	2.68	2.68
EX3S47_S45	10YR-24HR	1.70	-0.02	0.10	1.39	1.39	1.39
EX3S48_S49	10YR-24HR	4.67	0.00	-0.05	5.08	8.07	6.58
EX3S49_SWALE305B	10YR-24HR	8.38	0.00	0.05	6.83	6.83	6.83
EX3S50_PR305A1	10YR-24HR	1.05	0.00	-0.02	3.07	3.36	3.21
EX3S52_PR305D	10YR-24HR	3.88	0.00	-2.49	4.57	3.16	3.76
EX3S53_S54	10YR-24HR	3.64	0.00	0.45	3.18	2.96	2.96
EX3S55_PR3S55A	10YR-24HR	3.46	0.00	-0.35	2.89	4.39	3.61
EX3S56_PR3S56A	10YR-24HR	7.88	0.00	0.27	6.42	6.83	6.62
EX3S57_S56	10YR-24HR	6.14	0.00	-0.05	5.00	5.83	5.41
EX3S60_PR3S59	10YR-24HR	4.72	0.00	0.39	3.88	5.09	4.47
EX3S61_S60	10YR-24HR	2.73	0.00	-0.02	3.99	4.14	4.06
EX3S63_PR3S62	10YR-24HR	5.04	-0.39	-0.22	4.11	4.11	4.11
EX3S64_S63	10YR-24HR	3.10	0.00	-0.03	3.40	4.29	3.80
PR305A1_3GW2	10YR-24HR	0.98	0.00	0.00	0.00	0.00	0.00
PR305A1_PR305C	10YR-24HR	14.07	-1.80	-0.73	1.99	1.99	1.99
PR305A_PR305A1	10YR-24HR	14.79	-1.26	-2.11	2.09	2.09	2.09
PR305C1_PR305E	10YR-24HR	29.84	-1.73	4.51	1.89	1.88	1.88
PR305C_3GW2	10YR-24HR	0.95	0.00	0.00	0.00	0.00	0.00
PR305C_PR305C1	10YR-24HR	30.47	-0.67	3.35	2.10	1.93	2.01
PR305D_SWALE305B	10YR-24HR	4.54	0.00	0.15	2.57	2.57	2.57
PR305E+B_O02	10YR-24HR	33.73	-0.06	-4.21	2.12	2.12	2.12
PR305E_PR305E+A	10YR-24HR	30.10	-2.90	8.13	1.89	1.89	1.89
PR354_PR305E+A	10YR-24HR	4.24	-0.10	0.39	3.45	3.45	3.45
PR3S15_S20	10YR-24HR	3.74	-0.49	0.68	2.29	1.55	1.90
PR3S20_PON	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D303							
PR3S22_P02	10YR-24HR	1.05	0.00	0.02	3.07	13.91	8.49
PR3S25_CH3_3+D	10YR-24HR	9.06	-24.84	-1.49	-3.51	-3.87	-3.69
PR3S39_S40	10YR-24HR	7.41	0.00	0.10	4.26	2.76	3.49
PR3S40_S46	10YR-24HR	17.48	0.00	-0.01	4.70	2.95	3.82
PR3S42_PR305A	10YR-24HR	11.19	-12.27	-3.03	-1.74	-1.74	-1.74
PR3S46_S44	10YR-24HR	17.73	-0.01	1.03	2.75	2.57	2.63
PR3S55A_3GW1C	10YR-24HR	0.71	0.00	0.00	0.00	0.00	0.00
PR3S55A_POND303	10YR-24HR	20.39	-2.44	-1.80	2.91	3.13	3.01
PR3S56A_3GW1B	10YR-24HR	0.40	0.00	0.00	0.00	0.00	0.00
PR3S56A_3GW1C	10YR-24HR	0.71	0.00	0.00	0.00	0.00	0.00
PR3S56A_55A	10YR-24HR	17.56	-2.25	-2.12	2.48	2.51	2.49
PR3S58_3GW1A	10YR-24HR	0.61	0.00	0.00	0.00	0.00	0.00
PR3S58_3GW1B	10YR-24HR	0.40	0.00	0.00	0.00	0.00	0.00
PR3S58_S56A	10YR-24HR	10.38	-1.89	2.40	1.47	1.47	1.47
PR3S59_3GW1A	10YR-24HR	0.61	0.00	0.00	0.00	0.00	0.00
PR3S59_S58	10YR-24HR	11.35	-0.86	1.99	1.61	1.61	1.61
PR3S62_S59	10YR-24HR	7.35	0.00	0.17	3.45	4.87	4.12
PR_301EX_P301	10YR-24HR	1.28	-11.83	0.49	-3.77	-4.91	-4.03
PR_CH3_3+D_S42	10YR-24HR	10.74	-14.73	4.48	-1.04	-1.04	-1.04
PR_EX3S13_P301	10YR-24HR	3.36	0.00	-0.11	4.44	5.11	4.78
PR_EX3S14_S20	10YR-24HR	0.83	-1.03	-1.03	2.50	2.70	2.38
PR_EX3S51_PR305C	10YR-24HR	2.37	0.00	-0.39	1.93	1.93	1.93
PR_P01EX_301EX	10YR-24HR	1.27	-11.74	-0.61	-4.75	-3.74	-4.01
PR_P01_P02	10YR-24HR	3.80	-4.51	-0.09	-0.96	-1.14	-0.97
PR_P02_P03	10YR-24HR	4.60	0.00	0.00	5.86	5.86	5.86
PR_P03_S25	10YR-24HR	8.88	-26.16	2.21	-4.08	-6.44	-5.21
PR_P303A_303	10YR-24HR	0.53	-3.37	0.03	-1.90	-3.12	-2.04
PR_S20_P302	10YR-24HR	7.34	0.00	3.27	2.27	3.39	2.74
PR_SWALE302_P301	10YR-24HR	12.25	0.00	-1.16	5.89	7.43	6.66

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR_SWALE303_S15	10YR-24HR	2.99	-0.14	0.32	4.01	2.28	3.13
SWALE305B_PR305C	10YR-24HR	16.53	-0.07	-6.82	1.89	1.34	1.55
SWALECS301_3+C	10YR-24HR	0.05	-0.07	0.00	-0.23	-1.08	-0.66
CH3_1+D_S08	10YR-8HR	8.12	-0.38	-0.02	2.57	2.57	2.57
CH3_1+SEC1	10YR-8HR	0.92	0.00	0.02	0.28	0.69	0.43
CH3_1+SEC2	10YR-8HR	3.03	0.00	0.02	0.36	1.25	0.74
CH3_1+SEC3	10YR-8HR	4.50	-1.66	0.23	-0.26	-1.43	-0.84
CH3_3+SEC1	10YR-8HR	2.32	0.00	0.00	0.53	1.57	0.91
CH3_3+SEC2	10YR-8HR	4.55	0.00	0.00	2.16	1.45	1.63
CH3_3+SEC3	10YR-8HR	4.54	0.00	0.00	0.76	2.58	1.62
CSPR305E_WEIR	10YR-8HR	17.67	0.00	-0.09	2.83	2.83	2.83
CSSWALE301_WEIR	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX3S01_CH3_1+A	10YR-8HR	1.43	0.00	0.02	3.36	15.63	9.50
EX3S03_CH3_1+B	10YR-8HR	2.84	0.00	-0.05	4.19	14.32	9.25
EX3S05_CH3_1+C	10YR-8HR	0.48	-10.50	0.18	-2.37	-4.92	-3.65
EX3S08_SWALE302	10YR-8HR	9.58	0.00	0.03	3.03	3.03	3.03
EX3S16_SWALE303	10YR-8HR	1.52	0.00	0.43	3.17	3.01	3.09
EX3S18_S13	10YR-8HR	1.06	0.00	0.02	2.45	1.68	2.06
EX3S19_P01	10YR-8HR	1.69	0.00	-0.02	3.54	12.95	8.24
EX3S21_P03	10YR-8HR	0.69	0.00	-0.02	2.72	11.24	6.98
EX3S23_P03	10YR-8HR	0.91	0.00	-0.11	2.94	3.47	3.21
EX3S24_S25	10YR-8HR	0.80	0.00	0.03	2.61	2.80	2.71
EX3S26_P02	10YR-8HR	2.75	0.00	-0.02	4.14	15.87	10.01
EX3S27_SW01	10YR-8HR	0.43	0.00	0.00	2.40	0.00	1.20
EX3S28_SW01	10YR-8HR	1.29	0.00	0.02	3.26	15.18	9.22
EX3S29_SW01	10YR-8HR	1.32	0.00	0.03	3.28	5.01	4.14
EX3S30_CH3_3+A	10YR-8HR	2.32	0.00	0.02	3.91	10.56	7.24
EX3S34_CH3_3+B	10YR-8HR	2.24	0.00	-0.02	3.86	16.31	10.09
EX3S36_S49	10YR-8HR	1.35	0.00	0.02	3.30	4.03	3.66
EX3S37_SW01	10YR-8HR	2.85	0.00	0.55	4.18	5.08	4.44

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX3S38_S44	10YR-8HR	1.14	0.00	0.10	1.62	2.64	2.06
EX3S41_S42	10YR-8HR	0.99	0.00	0.01	2.82	2.66	2.45
EX3S44_PR305A	10YR-8HR	11.46	-0.35	3.77	2.88	2.93	2.83
EX3S45_PR305A	10YR-8HR	1.83	-0.10	-0.40	1.97	1.79	1.72
EX3S47_S45	10YR-8HR	0.94	0.00	-0.10	1.57	0.77	1.00
EX3S48_S49	10YR-8HR	2.55	0.00	-0.02	4.04	6.86	5.45
EX3S49_SWALE305B	10YR-8HR	4.61	0.00	0.02	3.76	3.76	3.76
EX3S50_PR305A1	10YR-8HR	0.57	0.00	0.00	2.59	2.82	2.71
EX3S52_PR305D	10YR-8HR	3.27	0.00	2.75	4.13	9.65	6.13
EX3S53_S54	10YR-8HR	2.01	0.00	-0.13	2.94	4.67	3.55
EX3S55_PR3S55A	10YR-8HR	1.93	0.00	0.33	2.31	3.70	3.00
EX3S56_PR3S56A	10YR-8HR	4.30	0.00	-0.22	3.51	4.93	4.21
EX3S57_S56	10YR-8HR	3.36	0.00	-0.05	4.17	4.45	4.27
EX3S60_PR3S59	10YR-8HR	2.98	0.00	-0.47	4.26	4.22	4.24
EX3S61_S60	10YR-8HR	1.49	0.00	-0.02	3.40	3.62	3.51
EX3S63_PR3S62	10YR-8HR	2.75	0.00	-0.04	2.35	2.28	2.26
EX3S64_S63	10YR-8HR	1.69	0.00	-0.03	3.43	3.55	3.45
PR305A1_3GW2	10YR-8HR	0.81	0.00	0.00	0.00	0.00	0.00
PR305A1_PR305C	10YR-8HR	9.90	-2.02	1.06	1.40	1.59	1.40
PR305A_PR305A1	10YR-8HR	10.65	-1.60	2.30	1.89	1.61	1.70
PR305C1_PR305E	10YR-8HR	15.74	-1.84	4.48	1.09	0.99	1.04
PR305C_3GW2	10YR-8HR	0.81	0.00	0.00	0.00	0.00	0.00
PR305C_PR305C1	10YR-8HR	16.01	-0.68	4.62	2.18	1.11	1.41
PR305D_SWALE305B	10YR-8HR	2.50	0.00	0.18	2.57	1.51	1.94
PR305E+B_O02	10YR-8HR	17.66	-0.14	4.03	1.12	1.11	1.12
PR305E_PR305E+A	10YR-8HR	16.96	-2.83	7.71	1.07	1.07	1.07
PR354_PR305E+A	10YR-8HR	2.37	-0.13	-0.41	2.65	3.96	3.19
PR3S15_S20	10YR-8HR	2.24	0.00	-0.53	2.29	1.20	1.75

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR3S20_POND303	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
PR3S22_P02	10YR-8HR	0.57	0.00	0.00	2.59	0.88	1.67
PR3S25_CH3_3+D	10YR-8HR	6.53	-16.26	1.21	-2.42	-3.19	-2.80
PR3S39_S40	10YR-8HR	4.07	0.00	0.10	4.02	2.39	3.20
PR3S40_S46	10YR-8HR	9.71	0.00	0.01	4.30	2.61	3.30
PR3S42_PR305A	10YR-8HR	8.23	-9.06	3.75	-1.28	-1.29	-1.28
PR3S46_S44	10YR-8HR	9.99	0.00	0.80	2.70	3.24	2.86
PR3S55A_3GW1C	10YR-8HR	0.57	0.00	0.00	0.00	0.00	0.00
PR3S55A_POND303	10YR-8HR	9.69	-2.69	-1.67	2.25	3.52	2.61
PR3S56A_3GW1B	10YR-8HR	0.32	0.00	0.00	0.00	0.00	0.00
PR3S56A_3GW1C	10YR-8HR	0.57	0.00	0.00	0.00	0.00	0.00
PR3S56A_55A	10YR-8HR	8.56	-2.46	2.06	1.74	1.97	1.85
PR3S58_3GW1A	10YR-8HR	0.48	0.00	0.00	0.00	0.00	0.00
PR3S58_3GW1B	10YR-8HR	0.32	0.00	0.00	0.00	0.00	0.00
PR3S58_S56A	10YR-8HR	5.13	-2.10	-2.50	1.00	-1.47	1.01
PR3S59_3GW1A	10YR-8HR	0.48	0.00	0.00	0.00	0.00	0.00
PR3S59_S58	10YR-8HR	6.04	-1.06	1.61	1.12	1.16	1.14
PR3S62_S59	10YR-8HR	3.93	0.00	0.04	2.84	4.05	3.44
PR_301EX_P301	10YR-8HR	1.41	-11.20	0.47	-3.57	-5.15	-4.19
PR_CH3_3+D_S42	10YR-8HR	7.81	-10.51	-4.66	-0.75	-0.78	-0.76
PR_EX3S13_P301	10YR-8HR	1.84	0.00	-0.02	3.63	4.37	4.00
PR_EX3S14_S20	10YR-8HR	0.46	0.00	-0.38	2.37	2.66	2.35
PR_EX3S51_PR305C	10YR-8HR	1.36	0.00	0.39	2.32	3.78	2.92
PR_P01EX_301EX	10YR-8HR	1.41	-11.02	-1.18	-5.44	-5.25	-5.06
PR_P01_P02	10YR-8HR	3.01	-1.91	0.07	-1.16	-2.29	-1.65
PR_P02_P03	10YR-8HR	3.85	0.00	0.00	4.91	4.91	4.91
PR_P03_S25	10YR-8HR	6.40	-17.04	-1.22	-3.34	-5.68	-4.50
PR_P303A_303	10YR-8HR	0.33	-3.34	0.02	-1.89	-3.93	-2.77
PR_S20_P302	10YR-8HR	4.24	0.00	1.21	1.95	3.42	2.56
PR_SWALE30	10YR-8HR	9.68	0.00	-0.52	5.39	7.00	6.19

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
2_P301							
PR_SWALE303_S15	10YR-8HR	1.82	-0.02	0.17	3.45	2.33	2.70
SWALE305B_PR305C	10YR-8HR	12.43	0.00	-10.74	2.84	1.51	1.89
SWALECS301_3+C	10YR-8HR	0.02	-0.37	0.02	-0.68	-2.07	-1.37
CH3_1+D_S08	25YR-72HR	10.69	-0.02	-0.47	3.38	3.38	3.38
CH3_1+SEC1	25YR-72HR	1.16	0.00	-0.04	0.13	0.14	0.12
CH3_1+SEC2	25YR-72HR	4.23	-3.03	0.18	0.18	0.24	0.18
CH3_1+SEC3	25YR-72HR	6.48	-9.83	0.48	-0.42	-0.47	-0.44
CH3_3+SEC1	25YR-72HR	4.57	0.00	0.00	0.64	1.54	0.92
CH3_3+SEC2	25YR-72HR	8.77	0.00	-0.01	2.44	1.34	1.75
CH3_3+SEC3	25YR-72HR	8.23	0.00	-0.06	0.54	1.85	1.14
CSPR305E_WEIR	25YR-72HR	41.49	0.00	0.11	3.76	3.76	3.76
CSSWALE301_WEIR	25YR-72HR	4.25	0.00	0.00	1.88	1.88	1.88
EX3S01_CH3_1+A	25YR-72HR	2.87	0.00	-0.05	4.20	19.22	11.71
EX3S03_CH3_1+B	25YR-72HR	8.03	0.00	2.59	8.07	25.52	16.79
EX3S05_CH3_1+C	25YR-72HR	1.88	-10.50	1.34	-2.37	-4.92	-3.65
EX3S08_SWALE302	25YR-72HR	12.50	0.00	-0.53	3.96	3.96	3.96
EX3S16_SWALE303	25YR-72HR	1.86	0.00	0.07	2.18	2.95	2.32
EX3S18_S13	25YR-72HR	2.11	0.00	0.05	2.55	2.13	2.34
EX3S19_P01	25YR-72HR	3.39	0.00	-0.05	4.46	15.88	10.17
EX3S21_P03	25YR-72HR	1.38	0.00	0.02	3.32	13.20	8.19
EX3S23_P03	25YR-72HR	1.77	0.00	-0.01	1.77	1.95	1.85
EX3S24_S25	25YR-72HR	1.51	0.00	0.40	2.87	2.77	2.69
EX3S26_P02	25YR-72HR	5.44	0.00	-0.05	5.46	19.34	12.40
EX3S27_SW01	25YR-72HR	0.86	0.00	-0.02	2.90	13.80	8.35
EX3S28_SW01	25YR-72HR	2.58	0.00	0.02	4.05	18.68	11.37
EX3S29_SW01	25YR-72HR	3.64	0.00	-1.32	3.85	5.32	4.59
EX3S30_CH3_3+A	25YR-72HR	4.65	0.00	0.05	5.07	12.88	8.97
EX3S34_CH3_3+B	25YR-72HR	4.48	0.00	-0.05	4.99	20.00	12.49
EX3S36_S49	25YR-72HR	2.70	0.00	0.02	4.11	4.86	4.49
EX3S37_SW0	25YR-72HR	4.23	0.00	0.02	3.45	3.45	3.45

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
1							
EX3S38_S44	25YR-72HR	2.19	0.00	-0.39	1.39	1.85	1.40
EX3S41_S42	25YR-72HR	1.90	0.00	-0.06	2.70	1.86	2.00
EX3S44_PR305A	25YR-72HR	22.03	-0.51	5.19	2.17	2.17	2.17
EX3S45_PR305A	25YR-72HR	3.60	-0.08	0.40	2.94	2.94	2.94
EX3S47_S45	25YR-72HR	1.88	-0.03	0.31	1.53	1.53	1.53
EX3S48_S49	25YR-72HR	5.11	0.00	0.05	5.30	8.26	6.78
EX3S49_SWALE305B	25YR-72HR	9.16	0.00	0.05	7.46	7.46	7.46
EX3S50_PR305A1	25YR-72HR	1.15	0.00	0.02	3.15	3.44	3.30
EX3S52_PR305D	25YR-72HR	4.24	0.00	-2.04	3.45	3.45	3.45
EX3S53_S54	25YR-72HR	3.98	0.00	0.14	3.24	3.24	3.24
EX3S55_PR3S55A	25YR-72HR	3.79	0.00	-0.35	3.09	3.09	3.09
EX3S56_PR3S56A	25YR-72HR	8.49	0.00	0.40	6.92	6.92	6.92
EX3S57_S56	25YR-72HR	6.72	0.00	0.05	5.48	6.16	5.82
EX3S60_PR3S59	25YR-72HR	5.11	0.00	-0.49	4.17	4.17	4.17
EX3S61_S60	25YR-72HR	2.98	0.00	0.02	3.99	4.27	4.06
EX3S63_PR3S62	25YR-72HR	5.40	0.00	-0.40	4.40	4.40	4.40
EX3S64_S63	25YR-72HR	3.39	0.00	-0.03	3.82	4.46	3.92
PR305A1_3GW2	25YR-72HR	1.14	0.00	0.00	0.00	0.00	0.00
PR305A1_PR305C	25YR-72HR	23.26	-0.74	-0.91	3.29	3.29	3.29
PR305A_PR305A1	25YR-72HR	24.09	-0.19	2.21	3.41	3.41	3.41
PR305C1_PR305E	25YR-72HR	37.30	-0.96	4.49	2.35	2.35	2.35
PR305C_3GW2	25YR-72HR	1.02	0.00	0.00	0.00	0.00	0.00
PR305C_PR305C1	25YR-72HR	37.34	-0.33	-5.27	2.43	2.35	2.39
PR305D_SWALE305B	25YR-72HR	5.12	0.00	-0.15	2.90	2.90	2.90
PR305E+B_O02	25YR-72HR	41.49	0.00	4.11	2.61	2.61	2.61
PR305E_PR305E+A	25YR-72HR	37.68	-1.53	7.92	2.37	2.37	2.37
PR354_PR305E+A	25YR-72HR	4.63	-0.14	-0.39	3.78	3.78	3.78

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR3S15_S20	25YR-72HR	1.52	-1.05	0.75	1.67	0.60	1.11
PR3S20_POND303	25YR-72HR	0.00	0.00	0.00	0.00	0.00	0.00
PR3S22_P02	25YR-72HR	1.15	0.00	0.02	3.15	0.94	2.04
PR3S25_CH3_3+D	25YR-72HR	13.66	-20.65	-1.45	-2.92	-2.92	-2.92
PR3S39_S40	25YR-72HR	8.06	0.00	0.10	4.22	2.68	3.44
PR3S40_S46	25YR-72HR	18.82	0.00	-0.03	4.50	2.66	3.55
PR3S42_PR305A	25YR-72HR	19.57	-9.19	-3.78	2.77	2.77	2.77
PR3S46_S44	25YR-72HR	19.35	-0.01	2.35	2.74	2.74	2.74
PR3S55A_3GW1C	25YR-72HR	0.94	0.00	0.00	0.00	0.00	0.00
PR3S55A_POND303	25YR-72HR	21.50	-2.68	-1.82	3.04	3.04	3.04
PR3S56A_3GW1B	25YR-72HR	0.52	0.00	0.00	0.00	0.00	0.00
PR3S56A_3GW1C	25YR-72HR	0.94	0.00	0.00	0.00	0.00	0.00
PR3S56A_55A	25YR-72HR	18.63	-2.38	-2.22	2.64	2.64	2.64
PR3S58_3GW1A	25YR-72HR	0.80	0.00	0.00	0.00	0.00	0.00
PR3S58_3GW1B	25YR-72HR	0.53	0.00	0.00	0.00	0.00	0.00
PR3S58_S56A	25YR-72HR	11.04	-2.12	-2.62	1.56	1.56	1.56
PR3S59_3GW1A	25YR-72HR	0.83	0.00	0.00	0.00	0.00	0.00
PR3S59_S58	25YR-72HR	12.43	-0.81	1.68	1.76	1.76	1.76
PR3S62_S59	25YR-72HR	8.23	0.00	0.85	3.08	3.17	3.09
PR_301EX_P301	25YR-72HR	1.65	-7.66	-0.66	-2.44	-2.44	-2.44
PR_CH3_3+D_S42	25YR-72HR	19.15	-11.77	-4.09	1.35	1.35	1.35
PR_EX3S13_P301	25YR-72HR	3.64	0.00	1.39	4.55	5.19	4.87
PR_EX3S14_S20	25YR-72HR	1.04	0.00	0.65	1.49	1.02	0.90
PR_EX3S51_PR305C	25YR-72HR	2.58	-0.01	-0.38	2.10	2.10	2.10
PR_P01EX_301EX	25YR-72HR	1.64	-7.60	0.54	-2.42	-2.42	-2.42
PR_P01_P02	25YR-72HR	4.20	-2.78	0.02	0.59	-0.81	0.59
PR_P02_P03	25YR-72HR	5.75	0.00	0.00	7.32	7.32	7.32
PR_P03_S25	25YR-72HR	13.50	-22.06	2.21	-3.12	-3.20	-3.12
PR_P303A_303	25YR-72HR	1.01	-3.38	0.03	-1.91	-1.91	-1.91
PR_S20_P302	25YR-72HR	5.11	0.00	1.71	0.94	1.55	1.13

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR_SWALE302_P301	25YR-72HR	12.83	0.00	-1.07	5.60	7.19	6.40
PR_SWALE303_S15	25YR-72HR	0.91	-1.11	0.35	2.29	1.55	1.68
SWALE305B_PR305C	25YR-72HR	15.43	-0.06	-8.91	1.85	1.23	1.45
SWALECS301_3+C	25YR-72HR	4.26	-0.11	0.80	1.12	0.95	0.98

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
3GW1A	100YR-1HR	63925	0	63925
3GW1A	100YR-24HR	129465	2	129464
3GW1A	100YR-8HR	96203	2	96200
3GW1A	10YR-1HR	45112	0	45112
3GW1A	10YR-24HR	96614	3	96611
3GW1A	10YR-8HR	78596	4	78593
3GW1A	25YR-72HR	145175	2	145173

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
3GW1B	100YR-1HR	41905	0	41905
3GW1B	100YR-24HR	84782	1	84782
3GW1B	100YR-8HR	63059	1	63058
3GW1B	10YR-1HR	29609	0	29609
3GW1B	10YR-24HR	63308	1	63307
3GW1B	10YR-8HR	51534	1	51532
3GW1B	25YR-72HR	95000	1	95000

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
3GW1C	100YR-1HR	75282	0	75282
3GW1C	100YR-24HR	151986	2	151984
3GW1C	100YR-8HR	113210	2	113208
3GW1C	10YR-1HR	53321	0	53321
3GW1C	10YR-24HR	113528	3	113525
3GW1C	10YR-8HR	92553	3	92550
3GW1C	25YR-72HR	170465	2	170464

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
3GW2	100YR-1HR	82366	0	82366
3GW2	100YR-24HR	202873	0	202873
3GW2	100YR-8HR	136408	0	136408
3GW2	10YR-1HR	48372	0	48372
3GW2	10YR-24HR	168264	0	168264
3GW2	10YR-8HR	116634	0	116634

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
3GW2	25YR-72HR	295051	0	295051

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH3_1+A	100YR-1HR	8776	8845	-69
CH3_1+A	100YR-24HR	23885	23852	33
CH3_1+A	100YR-8HR	16926	16939	-13
CH3_1+A	10YR-1HR	5970	6032	-62
CH3_1+A	10YR-24HR	15621	15624	-3
CH3_1+A	10YR-8HR	11853	11874	-21
CH3_1+A	25YR-72HR	23088	23076	12

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH3_1+B	100YR-1HR	27485	26953	532
CH3_1+B	100YR-24HR	77441	77068	373
CH3_1+B	100YR-8HR	50338	49749	588
CH3_1+B	10YR-1HR	17750	17190	561
CH3_1+B	10YR-24HR	48128	47701	427
CH3_1+B	10YR-8HR	35227	34679	548
CH3_1+B	25YR-72HR	73017	72625	392

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH3_1+C	100YR-1HR	45625	43792	1833
CH3_1+C	100YR-24HR	113019	111484	1535
CH3_1+C	100YR-8HR	67076	65422	1654
CH3_1+C	10YR-1HR	26829	25025	1804
CH3_1+C	10YR-24HR	64881	63388	1493
CH3_1+C	10YR-8HR	43618	42027	1591
CH3_1+C	25YR-72HR	99462	97980	1482

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH3_1+D	100YR-1HR	78079	77525	554
CH3_1+D	100YR-24HR	233744	233351	393
CH3_1+D	100YR-8HR	150506	150043	463
CH3_1+D	10YR-1HR	45340	44781	559
CH3_1+D	10YR-24HR	138192	137810	382
CH3_1+D	10YR-8HR	95809	95369	440
CH3_1+D	25YR-72HR	217197	216871	326

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH3_3+A	100YR-1HR	14282	14265	17
CH3_3+A	100YR-24HR	38762	38796	-34
CH3_3+A	100YR-8HR	27488	27485	2
CH3_3+A	10YR-1HR	9740	9721	19
CH3_3+A	10YR-24HR	25374	25375	-1
CH3_3+A	10YR-8HR	19269	19264	5
CH3_3+A	25YR-72HR	37470	37486	-16

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH3_3+B	100YR-1HR	28018	28155	-137
CH3_3+B	100YR-24HR	76122	76333	-210
CH3_3+B	100YR-8HR	53955	54053	-98
CH3_3+B	10YR-1HR	19100	19196	-96
CH3_3+B	10YR-24HR	49809	49862	-53
CH3_3+B	10YR-8HR	37820	37852	-32
CH3_3+B	25YR-72HR	73568	73715	-147

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH3_3+C	100YR-1HR	28383	27945	438
CH3_3+C	100YR-24HR	139444	139002	441
CH3_3+C	100YR-8HR	61636	61328	308
CH3_3+C	10YR-1HR	19339	19142	197
CH3_3+C	10YR-24HR	50025	49777	248
CH3_3+C	10YR-8HR	37955	37709	246
CH3_3+C	25YR-72HR	130321	130036	286

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH3_3+D	100YR-1HR	150917	152157	-1240
CH3_3+D	100YR-24HR	853643	854221	-578
CH3_3+D	100YR-8HR	467084	467753	-668
CH3_3+D	10YR-1HR	91619	92425	-805
CH3_3+D	10YR-24HR	435325	436485	-1160
CH3_3+D	10YR-8HR	278608	279813	-1205
CH3_3+D	25YR-72HR	707614	708224	-610

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S01	100YR-1HR	8816	8774	42
EX3S01	100YR-24HR	23927	23885	42
EX3S01	100YR-8HR	16968	16926	42
EX3S01	10YR-1HR	6012	5970	42
EX3S01	10YR-24HR	15663	15621	42
EX3S01	10YR-8HR	11895	11853	42
EX3S01	25YR-72HR	23130	23088	42

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S03	100YR-1HR	17456	17213	244
EX3S03	100YR-24HR	47376	47069	306
EX3S03	100YR-8HR	33596	33398	198
EX3S03	10YR-1HR	11904	11706	198
EX3S03	10YR-24HR	31013	30815	198
EX3S03	10YR-8HR	23551	23354	198
EX3S03	25YR-72HR	45797	45591	205

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S05	100YR-1HR	1907	1620	287
EX3S05	100YR-24HR	11210	10923	288
EX3S05	100YR-8HR	6491	6208	282
EX3S05	10YR-1HR	891	604	287
EX3S05	10YR-24HR	5644	5361	283
EX3S05	10YR-8HR	3477	3190	287

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S05	25YR-72HR	10619	10329	290

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S08	100YR-1HR	74420	74306	114
EX3S08	100YR-24HR	248168	248055	114
EX3S08	100YR-8HR	166824	166709	116
EX3S08	10YR-1HR	44932	44818	114
EX3S08	10YR-24HR	151654	151543	111
EX3S08	10YR-8HR	108828	108715	113
EX3S08	25YR-72HR	238839	238705	134

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S13	100YR-1HR	11285	11285	0
EX3S13	100YR-24HR	30627	30627	0
EX3S13	100YR-8HR	21719	21719	0
EX3S13	10YR-1HR	7696	7695	0
EX3S13	10YR-24HR	20049	20049	0
EX3S13	10YR-8HR	15225	15225	0
EX3S13	25YR-72HR	29606	29606	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S14	100YR-1HR	2998	2998	0
EX3S14	100YR-24HR	8136	8136	-1
EX3S14	100YR-8HR	5769	5767	2
EX3S14	10YR-1HR	2044	2044	0
EX3S14	10YR-24HR	5326	5324	2
EX3S14	10YR-8HR	4044	4044	0
EX3S14	25YR-72HR	7864	7865	-1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S16	100YR-1HR	5945	5945	0
EX3S16	100YR-24HR	16218	16218	0
EX3S16	100YR-8HR	11486	11486	0
EX3S16	10YR-1HR	4039	4039	0
EX3S16	10YR-24HR	10599	10599	0
EX3S16	10YR-8HR	8037	8037	0
EX3S16	25YR-72HR	15676	15676	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S18	100YR-1HR	6524	6524	0
EX3S18	100YR-24HR	17706	17706	0
EX3S18	100YR-8HR	12556	12556	0
EX3S18	10YR-1HR	4449	4449	0
EX3S18	10YR-24HR	11591	11591	0
EX3S18	10YR-8HR	8802	8802	0
EX3S18	25YR-72HR	17116	17116	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S19	100YR-1HR	10403	10403	0
EX3S19	100YR-24HR	28234	28234	0
EX3S19	100YR-8HR	20022	20022	0
EX3S19	10YR-1HR	7094	7094	0
EX3S19	10YR-24HR	18482	18482	0
EX3S19	10YR-8HR	14036	14036	0
EX3S19	25YR-72HR	27293	27293	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S21	100YR-1HR	4232	4232	0
EX3S21	100YR-24HR	11485	11485	0
EX3S21	100YR-8HR	8145	8145	0
EX3S21	10YR-1HR	2886	2886	0
EX3S21	10YR-24HR	7518	7518	0
EX3S21	10YR-8HR	5709	5709	0
EX3S21	25YR-72HR	11102	11102	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S23	100YR-1HR	4878	4610	268
EX3S23	100YR-24HR	14740	14478	263
EX3S23	100YR-8HR	10176	9909	267
EX3S23	10YR-1HR	3095	2827	268
EX3S23	10YR-24HR	9323	9056	268
EX3S23	10YR-8HR	6868	6600	268
EX3S23	25YR-72HR	14217	13949	268

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S24	100YR-1HR	4937	4610	327
EX3S24	100YR-24HR	13399	13072	328
EX3S24	100YR-8HR	9502	9175	327
EX3S24	10YR-1HR	3367	3039	328
EX3S24	10YR-24HR	8771	8444	327
EX3S24	10YR-8HR	6661	6333	328
EX3S24	25YR-72HR	12953	12625	327

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S26	100YR-1HR	16927	16927	0
EX3S26	100YR-24HR	45940	45940	0
EX3S26	100YR-8HR	32578	32578	0
EX3S26	10YR-1HR	11543	11543	0
EX3S26	10YR-24HR	30073	30073	0
EX3S26	10YR-8HR	22838	22838	0
EX3S26	25YR-72HR	44409	44409	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S27	100YR-1HR	2645	2645	0
EX3S27	100YR-24HR	7178	7178	0
EX3S27	100YR-8HR	5090	5090	0
EX3S27	10YR-1HR	1804	1804	0
EX3S27	10YR-24HR	4699	4699	0
EX3S27	10YR-8HR	3568	3568	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S27	25YR-72HR	6939	6939	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S28	100YR-1HR	7935	7934	0
EX3S28	100YR-24HR	21534	21534	0
EX3S28	100YR-8HR	15271	15271	0
EX3S28	10YR-1HR	5411	5411	0
EX3S28	10YR-24HR	14097	14097	0
EX3S28	10YR-8HR	10705	10705	0
EX3S28	25YR-72HR	20817	20817	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S29	100YR-1HR	8111	8111	0
EX3S29	100YR-24HR	22013	21833	180
EX3S29	100YR-8HR	15610	15431	180
EX3S29	10YR-1HR	5531	5531	0
EX3S29	10YR-24HR	14417	14246	171
EX3S29	10YR-8HR	10946	10875	71
EX3S29	25YR-72HR	21279	21101	178

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S30	100YR-1HR	14282	14282	0
EX3S30	100YR-24HR	38762	38762	0
EX3S30	100YR-8HR	27488	27488	0
EX3S30	10YR-1HR	9740	9740	0
EX3S30	10YR-24HR	25374	25374	0
EX3S30	10YR-8HR	19269	19269	0
EX3S30	25YR-72HR	37470	37470	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S34	100YR-1HR	13753	13753	0
EX3S34	100YR-24HR	37326	37326	0
EX3S34	100YR-8HR	26470	26470	0
EX3S34	10YR-1HR	9379	9379	0
EX3S34	10YR-24HR	24434	24434	0
EX3S34	10YR-8HR	18556	18556	0
EX3S34	25YR-72HR	36082	36082	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S36	100YR-1HR	8287	8287	0
EX3S36	100YR-24HR	22492	22492	0
EX3S36	100YR-8HR	15950	15950	0
EX3S36	10YR-1HR	5651	5651	0
EX3S36	10YR-24HR	14723	14723	0
EX3S36	10YR-8HR	11181	11181	0
EX3S36	25YR-72HR	21742	21742	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S37	100YR-1HR	13229	12778	451
EX3S37	100YR-24HR	35891	35241	650
EX3S37	100YR-8HR	25452	24802	649
EX3S37	10YR-1HR	9019	8654	365
EX3S37	10YR-24HR	23503	22862	641
EX3S37	10YR-8HR	17845	17304	541
EX3S37	25YR-72HR	34694	34045	650

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S38	100YR-1HR	7053	7009	44
EX3S38	100YR-24HR	19142	19133	9
EX3S38	100YR-8HR	13574	13567	7
EX3S38	10YR-1HR	4810	4768	41
EX3S38	10YR-24HR	12530	12523	8
EX3S38	10YR-8HR	9516	9507	8
EX3S38	25YR-72HR	18504	18505	-1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S41	100YR-1HR	5810	5438	373
EX3S41	100YR-24HR	16363	16020	343
EX3S41	100YR-8HR	11498	11154	344
EX3S41	10YR-1HR	3863	3496	368
EX3S41	10YR-24HR	10587	10242	344
EX3S41	10YR-8HR	7956	7611	344
EX3S41	25YR-72HR	15806	15466	340

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S44	100YR-1HR	70337	70295	42
EX3S44	100YR-24HR	191164	191499	-335
EX3S44	100YR-8HR	135664	135597	66
EX3S44	10YR-1HR	47922	47880	42
EX3S44	10YR-24HR	125224	125247	-23
EX3S44	10YR-8HR	95075	95062	13
EX3S44	25YR-72HR	184950	185008	-57

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S45	100YR-1HR	9961	9963	-2
EX3S45	100YR-24HR	29978	29931	47
EX3S45	100YR-8HR	20716	20657	59
EX3S45	10YR-1HR	6335	6339	-4
EX3S45	10YR-24HR	18987	18985	2
EX3S45	10YR-8HR	14001	13999	2
EX3S45	25YR-72HR	28922	28866	56

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S47	100YR-1HR	4980	4980	0
EX3S47	100YR-24HR	15397	15392	5
EX3S47	100YR-8HR	10568	10566	2
EX3S47	10YR-1HR	3112	3112	0
EX3S47	10YR-24HR	9667	9667	-1
EX3S47	10YR-8HR	7074	7076	-1

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S47	25YR-72HR	14843	14840	3

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S48	100YR-1HR	15693	15693	0
EX3S48	100YR-24HR	42590	42590	0
EX3S48	100YR-8HR	30203	30203	0
EX3S48	10YR-1HR	10702	10701	0
EX3S48	10YR-24HR	27880	27880	0
EX3S48	10YR-8HR	21173	21173	0
EX3S48	25YR-72HR	41171	41171	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S49	100YR-1HR	28388	28366	22
EX3S49	100YR-24HR	77046	76967	79
EX3S49	100YR-8HR	54636	54564	72
EX3S49	10YR-1HR	19359	19333	26
EX3S49	10YR-24HR	50435	50419	16
EX3S49	10YR-8HR	38301	38295	6
EX3S49	25YR-72HR	74478	74400	78

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S50	100YR-1HR	3526	3526	0
EX3S50	100YR-24HR	9571	9571	0
EX3S50	100YR-8HR	6787	6787	0
EX3S50	10YR-1HR	2405	2405	0
EX3S50	10YR-24HR	6265	6265	0
EX3S50	10YR-8HR	4758	4758	0
EX3S50	25YR-72HR	9252	9252	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S51	100YR-1HR	8111	8111	0
EX3S51	100YR-24HR	22013	22004	9
EX3S51	100YR-8HR	15610	15605	6
EX3S51	10YR-1HR	5531	5531	0
EX3S51	10YR-24HR	14410	14405	5
EX3S51	10YR-8HR	10943	10942	1
EX3S51	25YR-72HR	21279	21270	9

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S52	100YR-1HR	13224	13117	107
EX3S52	100YR-24HR	35891	35780	111
EX3S52	100YR-8HR	25452	25338	113
EX3S52	10YR-1HR	9018	8909	109
EX3S52	10YR-24HR	23495	23383	111
EX3S52	10YR-8HR	17842	17733	109
EX3S52	25YR-72HR	34694	34584	111

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S53	100YR-1HR	12343	12342	0
EX3S53	100YR-24HR	33498	33498	0
EX3S53	100YR-8HR	23755	23755	0
EX3S53	10YR-1HR	8417	8417	0
EX3S53	10YR-24HR	21928	21928	0
EX3S53	10YR-8HR	16653	16650	3
EX3S53	25YR-72HR	32382	32381	1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S55	100YR-1HR	11255	11046	209
EX3S55	100YR-24HR	31755	31550	205
EX3S55	100YR-8HR	22303	22096	207
EX3S55	10YR-1HR	7474	7265	209
EX3S55	10YR-24HR	20532	20343	189
EX3S55	10YR-8HR	15422	15220	202
EX3S55	25YR-72HR	30672	30478	194

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S56	100YR-1HR	26448	26411	37
EX3S56	100YR-24HR	71782	71785	-3
EX3S56	100YR-8HR	50904	50872	31
EX3S56	10YR-1HR	18036	17999	37
EX3S56	10YR-24HR	46989	46935	54
EX3S56	10YR-8HR	35684	35642	43
EX3S56	25YR-72HR	69389	69372	17

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S57	100YR-1HR	20630	20630	0
EX3S57	100YR-24HR	55990	55990	0
EX3S57	100YR-8HR	39705	39705	0
EX3S57	10YR-1HR	14069	14068	0
EX3S57	10YR-24HR	36652	36651	0
EX3S57	10YR-8HR	27834	27834	0
EX3S57	25YR-72HR	54123	54123	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S60	100YR-1HR	16045	15775	270
EX3S60	100YR-24HR	43547	43290	258
EX3S60	100YR-8HR	30881	30616	265
EX3S60	10YR-1HR	10942	10672	270
EX3S60	10YR-24HR	28507	28239	267
EX3S60	10YR-8HR	21648	21377	271
EX3S60	25YR-72HR	42096	41839	257

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S61	100YR-1HR	9169	9169	0
EX3S61	100YR-24HR	24884	24884	0
EX3S61	100YR-8HR	17646	17646	0
EX3S61	10YR-1HR	6253	6253	0
EX3S61	10YR-24HR	16290	16290	0
EX3S61	10YR-8HR	12370	12370	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S61	25YR-72HR	24055	24055	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S63	100YR-1HR	16927	16626	301
EX3S63	100YR-24HR	45940	45637	303
EX3S63	100YR-8HR	32578	32277	301
EX3S63	10YR-1HR	11543	11243	301
EX3S63	10YR-24HR	30078	29778	301
EX3S63	10YR-8HR	22839	22539	301
EX3S63	25YR-72HR	44410	44107	303

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX3S64	100YR-1HR	10403	10403	0
EX3S64	100YR-24HR	28234	28234	0
EX3S64	100YR-8HR	20022	20022	0
EX3S64	10YR-1HR	7094	7094	0
EX3S64	10YR-24HR	18482	18482	0
EX3S64	10YR-8HR	14036	14036	0
EX3S64	25YR-72HR	27293	27293	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
O302	100YR-1HR	117193	12	117181
O302	100YR-24HR	874962	98	874863
O302	100YR-8HR	484715	30	484685
O302	10YR-1HR	54600	12	54587
O302	10YR-24HR	402415	106	402309
O302	10YR-8HR	238211	37	238175
O302	25YR-72HR	678234	109	678125

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND301	100YR-1HR	149657	143906	5751
POND301	100YR-24HR	490637	480404	10233
POND301	100YR-8HR	332680	322583	10097
POND301	10YR-1HR	84723	80703	4020
POND301	10YR-24HR	298513	292550	5963
POND301	10YR-8HR	215342	208959	6383
POND301	25YR-72HR	448261	438668	9593

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND301EX	100YR-1HR	65589	39971	25618
POND301EX	100YR-24HR	166381	134630	31751
POND301EX	100YR-8HR	126560	95076	31483
POND301EX	10YR-1HR	42211	18826	23385
POND301EX	10YR-24HR	109001	83074	25927
POND301EX	10YR-8HR	87026	60528	26499
POND301EX	25YR-72HR	147125	116255	30870

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND302	100YR-1HR	138186	134457	3728
POND302	100YR-24HR	527984	521222	6762
POND302	100YR-8HR	341388	334732	6655
POND302	10YR-1HR	73857	71238	2619
POND302	10YR-24HR	314439	310612	3828
POND302	10YR-8HR	212339	208227	4113
POND302	25YR-72HR	508517	502193	6324

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND303	100YR-1HR	301366	239707	61659
POND303	100YR-24HR	934065	841695	92370
POND303	100YR-8HR	625774	534494	91280
POND303	10YR-1HR	188660	146803	41857
POND303	10YR-24HR	568219	504594	63625
POND303	10YR-8HR	418395	351337	67058
POND303	25YR-72HR	834497	743121	91376

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND303A	100YR-1HR	8037	7687	350
POND303A	100YR-24HR	28762	26586	2176
POND303A	100YR-8HR	17880	15773	2107
POND303A	10YR-1HR	4365	4279	86
POND303A	10YR-24HR	15542	15103	438
POND303A	10YR-8HR	11514	10916	598
POND303A	25YR-72HR	23728	21620	2108

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR301EX	100YR-1HR	95533	95297	236
PR301EX	100YR-24HR	239304	238978	327
PR301EX	100YR-8HR	185945	185617	329
PR301EX	10YR-1HR	57222	57047	175
PR301EX	10YR-24HR	160881	160661	221
PR301EX	10YR-8HR	128739	128506	233
PR301EX	25YR-72HR	204692	204380	312

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR305A	100YR-1HR	159691	159025	666
PR305A	100YR-24HR	952356	951158	1199
PR305A	100YR-8HR	527098	526165	933
PR305A	10YR-1HR	92937	92554	383
PR305A	10YR-24HR	492660	491976	684
PR305A	10YR-8HR	306500	305717	783
PR305A	25YR-72HR	811491	810514	977

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR305A1	100YR-1HR	121902	121111	790
PR305A1	100YR-24HR	887970	886406	1564
PR305A1	100YR-8HR	471653	470051	1602
PR305A1	10YR-1HR	64151	63821	330
PR305A1	10YR-24HR	446569	445747	822
PR305A1	10YR-8HR	257572	256578	994

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR305A1	25YR-72HR	773811	772217	1595

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR305C	100YR-1HR	152343	152030	313
PR305C	100YR-24HR	967578	966299	1279
PR305C	100YR-8HR	533244	531966	1278
PR305C	10YR-1HR	83975	83939	36
PR305C	10YR-24HR	482385	481943	442
PR305C	10YR-8HR	288183	287417	766
PR305C	25YR-72HR	820007	818757	1250

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR305C1	100YR-1HR	108778	108549	229
PR305C1	100YR-24HR	850057	849478	579
PR305C1	100YR-8HR	461884	461160	724
PR305C1	10YR-1HR	52069	52075	-6
PR305C1	10YR-24HR	390199	390656	-456
PR305C1	10YR-8HR	226028	225562	466
PR305C1	25YR-72HR	668586	667728	858

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR305D	100YR-1HR	14533	14527	6
PR305D	100YR-24HR	42174	42169	5
PR305D	100YR-8HR	29319	29318	1
PR305D	10YR-1HR	9599	9595	4
PR305D	10YR-24HR	26928	26926	2
PR305D	10YR-8HR	20063	20059	4
PR305D	25YR-72HR	40696	40692	4

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR305E	100YR-1HR	107705	107147	558
PR305E	100YR-24HR	854160	852023	2136
PR305E	100YR-8HR	463673	462001	1672
PR305E	10YR-1HR	49780	49697	84
PR305E	10YR-24HR	392311	390262	2048
PR305E	10YR-8HR	226085	225090	994
PR305E	25YR-72HR	673062	671101	1960

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR305E+A	100YR-1HR	119511	119137	374
PR305E+A	100YR-24HR	883785	883262	524
PR305E+A	100YR-8HR	487978	487181	797
PR305E+A	10YR-1HR	56708	56725	-18
PR305E+A	10YR-24HR	409112	409373	-261
PR305E+A	10YR-8HR	241712	241205	507
PR305E+A	25YR-72HR	694429	694024	406

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR305E+B	100YR-1HR	117194	117193	1
PR305E+B	100YR-24HR	874969	874962	8
PR305E+B	100YR-8HR	484742	484715	27
PR305E+B	10YR-1HR	54600	54600	0
PR305E+B	10YR-24HR	402425	402415	11
PR305E+B	10YR-8HR	238229	238211	18
PR305E+B	25YR-72HR	678236	678234	2

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR3S15	100YR-1HR	12149	12150	0
PR3S15	100YR-24HR	54918	54916	2
PR3S15	100YR-8HR	32489	32491	-2
PR3S15	10YR-1HR	7262	7263	-1
PR3S15	10YR-24HR	26817	26816	1
PR3S15	10YR-8HR	18170	18170	0
PR3S15	25YR-72HR	48977	48980	-2

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR3S20	100YR-1HR	25199	25135	65
PR3S20	100YR-24HR	87424	87398	26
PR3S20	100YR-8HR	55371	55332	39
PR3S20	10YR-1HR	16161	16102	59
PR3S20	10YR-24HR	49457	49445	12
PR3S20	10YR-8HR	35758	35734	23
PR3S20	25YR-72HR	79586	79574	12

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR3S22	100YR-1HR	3526	3526	0
PR3S22	100YR-24HR	9571	9571	0
PR3S22	100YR-8HR	6787	6787	0
PR3S22	10YR-1HR	2405	2405	0
PR3S22	10YR-24HR	6265	6265	0
PR3S22	10YR-8HR	4758	4758	0
PR3S22	25YR-72HR	9252	9252	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR3S25	100YR-1HR	151860	151512	348
PR3S25	100YR-24HR	743118	742876	242
PR3S25	100YR-8HR	433082	432769	313
PR3S25	10YR-1HR	92998	92721	277
PR3S25	10YR-24HR	409949	409881	67
PR3S25	10YR-8HR	265554	265373	182
PR3S25	25YR-72HR	614472	614314	158

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR3S39	100YR-1HR	25038	24931	107
PR3S39	100YR-24HR	67953	67847	106
PR3S39	100YR-8HR	48188	48082	106
PR3S39	10YR-1HR	17075	16968	107
PR3S39	10YR-24HR	44483	44377	106
PR3S39	10YR-8HR	33781	33675	106

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR3S39	25YR-72HR	65688	65582	106

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR3S40	100YR-1HR	59667	59700	-32
PR3S40	100YR-24HR	162120	162064	56
PR3S40	100YR-8HR	114935	115041	-106
PR3S40	10YR-1HR	40656	40742	-86
PR3S40	10YR-24HR	106089	106175	-86
PR3S40	10YR-8HR	80540	80637	-97
PR3S40	25YR-72HR	156713	156751	-38

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR3S42	100YR-1HR	123596	123346	250
PR3S42	100YR-24HR	814136	813497	638
PR3S42	100YR-8HR	435619	434924	696
PR3S42	10YR-1HR	73568	73321	247
PR3S42	10YR-24HR	408166	407913	254
PR3S42	10YR-8HR	254328	253951	377
PR3S42	25YR-72HR	660995	660431	564

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR3S46	100YR-1HR	61639	61546	94
PR3S46	100YR-24HR	167328	167227	101
PR3S46	100YR-8HR	118774	118682	92
PR3S46	10YR-1HR	42065	41945	119
PR3S46	10YR-24HR	109621	109549	72
PR3S46	10YR-8HR	83254	83171	83
PR3S46	25YR-72HR	161840	161790	50

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR3S54	100YR-1HR	14461	14462	0
PR3S54	100YR-24HR	39265	39233	32
PR3S54	100YR-8HR	27849	27810	39
PR3S54	10YR-1HR	9860	9859	0
PR3S54	10YR-24HR	25694	25660	34
PR3S54	10YR-8HR	19511	19525	-14
PR3S54	25YR-72HR	37953	37930	23

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR3S55A	100YR-1HR	222624	221872	752
PR3S55A	100YR-24HR	372358	371485	873
PR3S55A	100YR-8HR	311561	310370	1191
PR3S55A	10YR-1HR	153941	153486	456
PR3S55A	10YR-24HR	280406	279633	773
PR3S55A	10YR-8HR	245611	244816	795
PR3S55A	25YR-72HR	341607	340604	1003

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR3S56A	100YR-1HR	184493	183789	705
PR3S56A	100YR-24HR	324179	322777	1401
PR3S56A	100YR-8HR	265193	264041	1152
PR3S56A	10YR-1HR	127490	127074	416
PR3S56A	10YR-24HR	240531	239987	544
PR3S56A	10YR-8HR	207731	207001	730
PR3S56A	25YR-72HR	302117	300890	1227

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR3S58	100YR-1HR	110013	109389	624
PR3S58	100YR-24HR	193420	192377	1043
PR3S58	100YR-8HR	161159	160085	1074
PR3S58	10YR-1HR	75753	75519	234
PR3S58	10YR-24HR	142674	141736	938
PR3S58	10YR-8HR	125456	124567	890
PR3S58	25YR-72HR	176720	175583	1137

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR3S59	100YR-1HR	65711	65252	460
PR3S59	100YR-24HR	143136	142343	793
PR3S59	100YR-8HR	111334	110539	795
PR3S59	10YR-1HR	44574	44249	326
PR3S59	10YR-24HR	97943	97502	441
PR3S59	10YR-8HR	81600	81148	452
PR3S59	25YR-72HR	132327	131575	752

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR3S62	100YR-1HR	21607	21436	172
PR3S62	100YR-24HR	66148	66089	60
PR3S62	100YR-8HR	45354	45222	132
PR3S62	10YR-1HR	13826	13766	60
PR3S62	10YR-24HR	41497	41356	141
PR3S62	10YR-8HR	30446	30324	122
PR3S62	25YR-72HR	63754	63722	31

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE301	100YR-1HR	43364	5	43359
SWALE301	100YR-24HR	157477	62791	94686
SWALE301	100YR-8HR	102121	7415	94705
SWALE301	10YR-1HR	26047	0	26046
SWALE301	10YR-24HR	92145	16	92129
SWALE301	10YR-8HR	64432	6	64426
SWALE301	25YR-72HR	151004	56378	94626

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE302	100YR-1HR	73723	73546	177
SWALE302	100YR-24HR	250670	250480	190
SWALE302	100YR-8HR	167444	167268	176
SWALE302	10YR-1HR	43862	43685	177
SWALE302	10YR-24HR	152508	152335	173
SWALE302	10YR-8HR	108604	108430	175

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE302	25YR-72HR	241286	241083	203

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE303	100YR-1HR	9149	9146	4
SWALE303	100YR-24HR	42848	42841	7
SWALE303	100YR-8HR	25463	25454	9
SWALE303	10YR-1HR	5219	5218	2
SWALE303	10YR-24HR	21343	21341	3
SWALE303	10YR-8HR	14129	14126	3
SWALE303	25YR-72HR	38856	38849	7

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE305B	100YR-1HR	54458	54490	-32
SWALE305B	100YR-24HR	147509	147083	426
SWALE305B	100YR-8HR	102299	101892	407
SWALE305B	10YR-1HR	36145	36174	-29
SWALE305B	10YR-24HR	93935	93860	75
SWALE305B	10YR-8HR	69767	69890	-123
SWALE305B	25YR-72HR	142311	141908	403

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALECS301	100YR-1HR	534	228	306
SWALECS301	100YR-24HR	63419	63111	308
SWALECS301	100YR-8HR	7891	7583	308
SWALECS301	10YR-1HR	449	143	306
SWALECS301	10YR-24HR	469	163	306
SWALECS301	10YR-8HR	410	104	306
SWALECS301	25YR-72HR	56915	56606	309

System 4 & 5

Pre-Development Land Use Tables
Post-Development Land Use Tables
Water Quality Summary Table
Drainage Calculations
Drainage System Summary Tables
Pre-Development Node Link Diagram
Pre-Development ICPR Input/Output
Post-Development Node Link Diagram
Post-Development ICPR Input/Output

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

PRE-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 4 **SHGWT EL. (ft-NAVD): 1.45**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
4B02	**10**	**0.36**	**0.36**	0.36	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**98.00**
4B03	**10**	**0.05**	**0.05**	0.00	0.00	0.05	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**55.01**
4B04	**10**	**0.39**	**0.39**	0.39	0.00	0.00	**0.00**	0.00	0.00	0.00	8.00	6.55	8.18	**98.00**
4B05	**10**	**0.49**	**0.49**	0.49	0.00	0.00	**0.00**	0.00	0.00	0.00	7.00	5.55	8.18	**98.00**
4B06	**10**	**0.14**	**0.14**	0.00	0.00	0.14	**0.00**	0.00	0.00	0.00	7.00	5.55	8.18	**55.01**
4B07	**10**	**0.59**	**0.59**	0.59	0.00	0.00	**0.00**	0.00	0.00	0.00	7.00	5.55	8.18	**98.00**
4B08	**10**	**1.35**	**1.35**	0.74	0.00	0.61	**0.00**	0.00	0.00	0.00	6.00	4.55	8.18	**73.01**
4B10	**10**	**0.42**	**0.42**	0.42	0.00	0.00	**0.00**	0.00	0.00	0.00	7.00	5.55	8.18	**98.00**
4B11	**10**	**0.54**	**0.54**	0.30	0.00	0.24	**0.00**	0.00	0.00	0.00	7.00	5.55	8.18	**73.34**
4B12	**10**	**6.43**	**6.43**	2.71	0.00	3.72	**0.00**	0.00	0.00	0.00	17.00	15.55	8.18	**67.88**
4B14	**10**	**0.49**	**0.49**	0.49	0.00	0.00	**0.00**	0.00	0.00	0.00	7.00	5.55	8.18	**98.00**
4B15	**10**	**0.49**	**0.49**	0.49	0.00	0.00	**0.00**	0.00	0.00	0.00	28.00	26.55	8.18	**98.00**
4B16	**10**	**0.18**	**0.18**	0.18	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**98.00**
4B17	**10**	**0.60**	**0.60**	0.60	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**98.00**
4B18	**10**	**0.29**	**0.29**	0.29	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**98.00**
4B19	**10**	**0.55**	**0.55**	0.55	0.00	0.00	**0.00**	0.00	0.00	0.00	16.00	14.55	8.18	**98.00**
4B20	**10**	**0.49**	**0.49**	0.49	0.00	0.00	**0.00**	0.00	0.00	0.00	15.00	13.55	8.18	**98.00**
4B21	**10**	**0.28**	**0.28**	0.28	0.00	0.00	**0.00**	0.00	0.00	0.00	30.00	28.55	8.18	**98.00**
4B22	**10**	**0.21**	**0.21**	0.21	0.00	0.00	**0.00**	0.00	0.00	0.00	24.00	22.55	8.18	**98.00**
4B23	**10**	**0.21**	**0.21**	0.21	0.00	0.00	**0.00**	0.00	0.00	0.00	19.00	17.55	8.18	**98.00**
4B24	**10**	**0.35**	**0.35**	0.35	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**98.00**
4B25	**10**	**0.43**	**0.43**	0.43	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**98.00**
4B26	**10**	**0.29**	**0.29**	0.29	0.00	0.00	**0.00**	0.00	0.00	0.00	28.00	26.55	8.18	**98.00**
4B27	**10**	**0.29**	**0.29**	0.29	0.00	0.00	**0.00**	0.00	0.00	0.00	23.00	21.55	8.18	**98.00**
4B28	**10**	**0.39**	**0.39**	0.39	0.00	0.00	**0.00**	0.00	0.00	0.00	18.00	16.55	8.18	**98.00**
4B29_1	**10**	**0.15**	**0.15**	0.15	0.00	0.00	**0.00**	0.00	0.00	0.00	16.00	14.55	8.18	**98.00**
4B29_2	**10**	**0.41**	**0.41**	0.41	0.00	0.00	**0.00**	0.00	0.00	0.00	19.00	17.55	8.18	**98.00**
4B30	**10**	**0.25**	**0.25**	0.25	0.00	0.00	**0.00**	0.00	0.00	0.00	14.00	12.55	8.18	**98.00**
4B31	**10**	**0.47**	**0.47**	0.47	0.00	0.00	**0.00**	0.00	0.00	0.00	13.00	11.55	8.18	**98.00**
4B32	**10**	**0.93**	**0.93**	0.41	0.00	0.52	**0.00**	0.00	0.00	0.00	13.00	11.55	8.18	**68.62**
4B34	**10**	**2.01**	**2.01**	0.56	0.00	1.45	**0.00**	0.00	0.00	0.00	7.00	5.55	8.18	**62.89**
4B35	**10**	**0.73**	**0.73**	0.24	0.00	0.49	**0.00**	0.00	0.00	0.00	8.00	6.55	8.18	**64.55**
4B36	**10**	**1.01**	**1.01**	0.00	0.00	1.01	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**55.01**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

PRE-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 4 **SHGWT EL. (ft-NAVD): 1.45**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
4B37	**10**	**0.31**	**0.31**	0.29	0.00	0.02	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**94.99**
4B38	**10**	**0.23**	**0.23**	0.20	0.00	0.03	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**90.36**
4B39	**10**	**0.30**	**0.30**	0.26	0.00	0.04	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**90.17**
4B40	**10**	**0.18**	**0.18**	0.15	0.00	0.03	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**88.00**
4B41	**10**	**0.09**	**0.09**	0.09	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**98.00**
4B42	**10**	**0.34**	**0.34**	0.26	0.00	0.08	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**83.86**
4B43	**10**	**0.45**	**0.45**	0.34	0.00	0.11	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**83.34**
4B44	**10**	**0.48**	**0.48**	0.34	0.00	0.14	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**80.74**
4B45	**10**	**0.82**	**0.82**	0.58	0.00	0.24	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**80.68**
4B46	**10**	**0.44**	**0.44**	0.44	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**98.00**
4B47	**10**	**0.16**	**0.16**	0.16	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
4B48	**10**	**0.17**	**0.17**	0.17	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
4B49	**10**	**1.02**	**1.02**	0.00	0.00	1.02	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**55.01**
4B50	**10**	**0.86**	**0.86**	0.82	0.00	0.04	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**96.33**
4B51	**10**	**0.21**	**0.21**	0.18	0.00	0.03	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**89.54**
4B52	**10**	**0.39**	**0.39**	0.31	0.00	0.08	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**85.63**
4B53	**10**	**0.35**	**0.35**	0.28	0.00	0.07	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**85.94**
4B54	**10**	**0.70**	**0.70**	0.66	0.00	0.04	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**95.53**
4B55	**10**	**0.13**	**0.13**	0.10	0.00	0.03	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**84.12**
4B56	**10**	**0.22**	**0.22**	0.19	0.00	0.03	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**89.96**
4B57	**10**	**0.93**	**0.93**	0.57	0.00	0.36	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**75.95**
4B58	**10**	**0.54**	**0.54**	0.40	0.00	0.14	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**82.50**
4B59	**10**	**0.29**	**0.29**	0.23	0.00	0.06	**0.00**	0.00	0.00	0.00	13.00	11.55	8.18	**85.53**
4B60	**10**	**0.33**	**0.33**	0.27	0.00	0.06	**0.00**	0.00	0.00	0.00	13.00	11.55	8.18	**87.05**
4B61	**10**	**0.70**	**0.70**	0.57	0.00	0.13	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**86.81**
4B62	**10**	**1.03**	**1.03**	1.02	0.00	0.01	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**98.00**
4B63	**10**	**2.28**	**2.28**	1.02	0.00	1.26	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**68.87**
4B64	**10**	**0.93**	**0.93**	0.25	0.00	0.68	**0.00**	0.00	0.00	0.00	8.00	6.55	8.18	**62.57**
4B65	**10**	**0.06**	**0.06**	0.06	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
4B66	**10**	**0.10**	**0.10**	0.10	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
4B67	**10**	**1.08**	**1.08**	0.00	0.00	1.08	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**55.01**
4B68	**10**	**0.77**	**0.77**	0.77	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**98.00**
4B70	**10**	**0.20**	**0.20**	0.16	0.00	0.04	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**85.94**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

PRE-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 4 **SHGWT EL. (ft-NAVD): 1.45**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
4B71	**10**	**0.46**	**0.46**	0.39	0.00	0.07	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**88.93**
4B72	**10**	**0.36**	**0.36**	0.30	0.00	0.06	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**88.00**
4B73	**10**	**0.43**	**0.43**	0.37	0.00	0.06	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**89.76**
4B74	**10**	**0.36**	**0.36**	0.29	0.00	0.07	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**86.28**
4B75	**10**	**0.63**	**0.63**	0.63	0.00	0.00	**0.00**	0.00	0.00	0.00	29.00	27.55	8.18	**98.00**
4B76	**10**	**0.63**	**0.63**	0.63	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**98.00**
4B78	**10**	**0.34**	**0.34**	0.34	0.00	0.00	**0.00**	0.00	0.00	0.00	21.00	19.55	8.18	**98.00**
4B79	**10**	**0.57**	**0.57**	0.57	0.00	0.00	**0.00**	0.00	0.00	0.00	15.00	13.55	8.18	**98.00**
4B80	**10**	**0.59**	**0.59**	0.59	0.00	0.00	**0.00**	0.00	0.00	0.00	13.00	11.55	8.18	**98.00**
4B81	**10**	**0.44**	**0.44**	0.44	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**98.00**
4B83	**10**	**0.49**	**0.49**	0.49	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**98.00**
4B84_1	**10**	**0.55**	**0.55**	0.55	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**98.00**
4B84_2	**10**	**1.57**	**1.57**	1.57	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
4B85_1	**10**	**0.33**	**0.33**	0.33	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**98.00**
4B85_2	**10**	**0.29**	**0.29**	0.29	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
4B86	**10**	**0.35**	**0.35**	0.35	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
4B87	**10**	**0.64**	**0.64**	0.64	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
4B03 - OFFSITE	**10**	**0.20**	**0.00**	0.00	0.00	0.00	**0.20**	0.08	0.00	0.12	6.00	4.55	8.18	**67.08**
4B06_1 - OFFSITE	**10**	**0.31**	**0.00**	0.00	0.00	0.00	**0.31**	0.26	0.00	0.05	7.00	5.55	8.18	**88.34**
4B06_2 - OFFSITE	**10**	**1.26**	**0.00**	0.00	0.00	0.00	**1.26**	0.74	0.00	0.52	6.00	4.55	8.18	**74.76**
4B11 - OFFSITE	**10**	**1.54**	**0.00**	0.00	0.00	0.00	**1.54**	0.37	0.00	1.17	13.00	11.55	8.18	**61.67**
4B12 - OFFSITE	**10**	**3.93**	**0.00**	0.00	0.00	0.00	**3.93**	1.55	0.00	2.38	9.00	7.55	8.18	**66.87**
4B14 - OFFSITE	**10**	**1.76**	**0.00**	0.00	0.00	0.00	**1.76**	0.27	0.00	1.49	12.00	10.55	8.18	**59.08**
4B42 - OFFSITE	**10**	**0.23**	**0.00**	0.00	0.00	0.00	**0.23**	0.00	0.00	0.23	13.00	11.55	8.18	**55.01**
4B43 - OFFSITE	**10**	**0.27**	**0.00**	0.00	0.00	0.00	**0.27**	0.03	0.00	0.24	11.00	9.55	8.18	**57.90**
4B44 - OFFSITE	**10**	**0.80**	**0.00**	0.00	0.00	0.00	**0.80**	0.30	0.00	0.50	11.00	9.55	8.18	**66.17**
4B45 - OFFSITE	**10**	**0.39**	**0.00**	0.00	0.00	0.00	**0.39**	0.19	0.00	0.20	11.00	9.55	8.18	**70.45**
4B51 - OFFSITE	**10**	**0.96**	**0.00**	0.00	0.00	0.00	**0.96**	0.30	0.00	0.66	9.00	7.55	8.18	**64.01**
4B52 - OFFSITE	**10**	**1.99**	**0.00**	0.00	0.00	0.00	**1.99**	0.82	0.00	1.17	10.00	8.55	8.18	**67.52**
4B57 - OFFSITE	**10**	**2.02**	**0.00**	0.00	0.00	0.00	**2.02**	0.78	0.00	1.24	10.00	8.55	8.18	**66.57**
4B63 - OFFSITE	**10**	**5.48**	**0.00**	0.00	0.00	0.00	**5.48**	2.79	0.00	2.69	8.00	6.55	8.18	**71.35**
4B69 - OFFSITE	**10**	**1.46**	**0.00**	0.00	0.00	0.00	**1.46**	0.17	0.00	1.29	8.00	6.55	8.18	**58.05**
4B70 - OFFSITE	**10**	**0.70**	**0.00**	0.00	0.00	0.00	**0.70**	0.21	0.00	0.49	11.00	9.55	8.18	**63.59**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

PRE-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 4 **SHGWT EL. (ft-NAVD): 1.45**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
4B71 - OFFSITE	**10**	**2.43**	**0.00**	0.00	0.00	0.00	**2.43**	0.94	0.00	1.49	11.00	9.55	8.18	**66.60**
4B72 - OFFSITE	**10**	**0.86**	**0.00**	0.00	0.00	0.00	**0.86**	0.35	0.00	0.51	12.00	10.55	8.18	**67.34**
4B73 - OFFSITE	**10**	**0.48**	**0.00**	0.00	0.00	0.00	**0.48**	0.17	0.00	0.31	11.00	9.55	8.18	**65.43**
4B74 - OFFSITE	**10**	**0.71**	**0.00**	0.00	0.00	0.00	**0.71**	0.04	0.00	0.67	11.00	9.55	8.18	**56.44**
O401		**76.16**	**48.38**	**34.04**	**0.00**	**14.34**	**27.78**	**10.36**	**0.00**	**17.42**				
4B90_1	**10**	**2.64**	**2.64**	0.12	0.00	2.52	**0.00**	0.00	0.00	0.00	13.00	11.55	8.18	**56.15**
4B90_2	**10**	**0.33**	**0.33**	0.17	0.00	0.16	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**71.60**
4B91	**10**	**0.02**	**0.02**	0.01	0.00	0.01	**0.00**	0.00	0.00	0.00	5.00	3.55	4.95	**80.16**
4B92	**10**	**0.57**	**0.57**	0.57	0.00	0.00	**0.00**	0.00	0.00	0.00	7.00	5.55	8.18	**98.00**
4B93	**10**	**0.27**	**0.27**	0.27	0.00	0.00	**0.00**	0.00	0.00	0.00	8.00	6.55	8.18	**98.00**
4B94	**10**	**0.44**	**0.44**	0.44	0.00	0.00	**0.00**	0.00	0.00	0.00	8.00	6.55	8.18	**98.00**
4B95	**10**	**0.26**	**0.26**	0.11	0.00	0.15	**0.00**	0.00	0.00	0.00	5.00	3.55	4.95	**77.79**
4B96	**10**	**0.14**	**0.14**	0.05	0.00	0.09	**0.00**	0.00	0.00	0.00	23.00	21.55	8.18	**65.54**
4B97	**10**	**0.34**	**0.34**	0.34	0.00	0.00	**0.00**	0.00	0.00	0.00	7.00	5.55	8.18	**98.00**
4B98	**10**	**0.99**	**0.99**	0.73	0.00	0.26	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**82.32**
4B99	**10**	**0.22**	**0.22**	0.11	0.00	0.11	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**70.97**
4B101	**10**	**5.18**	**5.18**	3.32	0.00	1.86	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**77.30**
4B102	**10**	**0.43**	**0.43**	0.43	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
4B104	**10**	**0.51**	**0.51**	0.51	0.00	0.00	**0.00**	0.00	0.00	0.00	17.00	15.55	8.18	**98.00**
4B105	**10**	**0.89**	**0.89**	0.00	0.00	0.89	**0.00**	0.00	0.00	0.00	6.00	4.55	8.18	**55.01**
4B106	**10**	**0.30**	**0.30**	0.30	0.00	0.00	**0.00**	0.00	0.00	0.00	24.00	22.55	8.18	**98.00**
4B107	**10**	**0.28**	**0.28**	0.28	0.00	0.00	**0.00**	0.00	0.00	0.00	30.00	28.55	8.18	**98.00**
4B108	**10**	**0.31**	**0.31**	0.31	0.00	0.00	**0.00**	0.00	0.00	0.00	21.00	19.55	8.18	**98.00**
4B109	**10**	**0.29**	**0.29**	0.29	0.00	0.00	**0.00**	0.00	0.00	0.00	28.00	26.55	8.18	**98.00**
4B90_1 - OFFSITE	**10**	**4.76**	**0.00**	0.00	0.00	0.00	**4.76**	2.23	0.00	2.53	13.00	11.55	8.18	**69.70**
4B90_2 - OFFSITE	**10**	**1.01**	**0.00**	0.00	0.00	0.00	**1.01**	0.14	0.00	0.87	10.00	8.55	8.18	**58.66**
O402		**20.18**	**14.41**	**8.36**	**0.00**	**6.05**	**5.77**	**2.37**	**0.00**	**3.40**				
SYSTEM TOTALS		**96.34**	**62.79**	**42.40**	**0.00**	**20.39**	**33.55**	**12.73**	**0.00**	**20.82**	**--**	**--**	**--**	**--**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 4 **SHGWT EL. (ft-NAVD): 1.45**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
4B02	**10**	**0.52**	**0.52**	0.52	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**98.00**
4B03	**10**	**0.03**	**0.03**	0.00	0.00	0.03	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**55.01**
4B04	**10**	**0.56**	**0.56**	0.56	0.00	0.00	**0.00**	0.00	0.00	0.00	8.00	6.55	8.18	**98.00**
4B05	**10**	**0.40**	**0.40**	0.40	0.00	0.00	**0.00**	0.00	0.00	0.00	7.00	5.55	8.18	**98.00**
4B06	**10**	**0.09**	**0.09**	0.00	0.00	0.09	**0.00**	0.00	0.00	0.00	7.00	5.55	8.18	**55.01**
4B07	**10**	**0.70**	**0.70**	0.70	0.00	0.00	**0.00**	0.00	0.00	0.00	7.00	5.55	8.18	**98.00**
4B08_1	**10**	**0.50**	**0.50**	0.50	0.00	0.00	**0.00**	0.00	0.00	0.00	6.00	4.55	8.18	**98.00**
4B08_2	**10**	**3.49**	**3.49**	1.45	0.00	2.04	**0.00**	0.00	0.00	0.00	6.00	4.55	8.18	**67.65**
4B10	**10**	**0.65**	**0.65**	0.65	0.00	0.00	**0.00**	0.00	0.00	0.00	7.00	5.55	8.18	**98.00**
4B11	**10**	**0.54**	**0.54**	0.30	0.00	0.24	**0.00**	0.00	0.00	0.00	7.00	5.55	8.18	**73.34**
4B12	**10**	**2.98**	**2.98**	2.98	0.00	0.00	**0.00**	0.00	0.00	0.00	17.00	15.55	8.18	**98.00**
4B14	**10**	**0.49**	**0.49**	0.49	0.00	0.00	**0.00**	0.00	0.00	0.00	7.00	5.55	8.18	**98.00**
4B15	**10**	**0.70**	**0.70**	0.70	0.00	0.00	**0.00**	0.00	0.00	0.00	28.00	26.55	8.18	**98.00**
4B16	**10**	**0.24**	**0.24**	0.24	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**98.00**
4B17	**10**	**0.86**	**0.86**	0.86	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**98.00**
4B18	**10**	**0.38**	**0.38**	0.36	0.00	0.02	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**95.87**
4B19	**10**	**0.79**	**0.79**	0.78	0.00	0.01	**0.00**	0.00	0.00	0.00	16.00	14.55	8.18	**98.00**
4B20	**10**	**0.68**	**0.68**	0.68	0.00	0.00	**0.00**	0.00	0.00	0.00	15.00	13.55	8.18	**98.00**
4B21	**10**	**0.28**	**0.28**	0.28	0.00	0.00	**0.00**	0.00	0.00	0.00	30.00	28.55	8.18	**98.00**
4B22	**10**	**0.21**	**0.21**	0.21	0.00	0.00	**0.00**	0.00	0.00	0.00	24.00	22.55	8.18	**98.00**
4B23	**10**	**0.21**	**0.21**	0.21	0.00	0.00	**0.00**	0.00	0.00	0.00	19.00	17.55	8.18	**98.00**
4B23A	**10**	**0.41**	**0.41**	0.41	0.00	0.00	**0.00**	0.00	0.00	0.00	19.00	17.55	8.18	**98.00**
4B24	**10**	**0.35**	**0.35**	0.35	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**98.00**
4B25	**10**	**0.43**	**0.43**	0.43	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**98.00**
4B26	**10**	**0.29**	**0.29**	0.29	0.00	0.00	**0.00**	0.00	0.00	0.00	28.00	26.55	8.18	**98.00**
4B27	**10**	**0.29**	**0.29**	0.29	0.00	0.00	**0.00**	0.00	0.00	0.00	23.00	21.55	8.18	**98.00**
4B28	**10**	**0.38**	**0.38**	0.38	0.00	0.00	**0.00**	0.00	0.00	0.00	18.00	16.55	8.18	**98.00**
4B29	**10**	**0.15**	**0.15**	0.15	0.00	0.00	**0.00**	0.00	0.00	0.00	16.00	14.55	8.18	**98.00**
4B30	**10**	**0.25**	**0.25**	0.25	0.00	0.00	**0.00**	0.00	0.00	0.00	14.00	12.55	8.18	**98.00**
4B31	**10**	**0.47**	**0.47**	0.47	0.00	0.00	**0.00**	0.00	0.00	0.00	13.00	11.55	8.18	**98.00**
4B32	**10**	**0.93**	**0.93**	0.41	0.00	0.52	**0.00**	0.00	0.00	0.00	13.00	11.55	8.18	**68.62**
4B34	**10**	**2.01**	**2.01**	0.56	0.00	1.45	**0.00**	0.00	0.00	0.00	7.00	5.55	8.18	**62.89**
4B35	**10**	**0.76**	**0.76**	0.33	0.00	0.43	**0.00**	0.00	0.00	0.00	8.00	6.55	8.18	**68.36**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 4 **SHGWT EL. (ft-NAVD): 1.45**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
4B37	**10**	**0.31**	**0.31**	0.29	0.00	0.02	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**94.99**
4B38	**10**	**0.23**	**0.23**	0.20	0.00	0.03	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**90.36**
4B39	**10**	**0.30**	**0.30**	0.26	0.00	0.04	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**90.17**
4B40	**10**	**0.18**	**0.18**	0.15	0.00	0.03	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**88.00**
4B41	**10**	**0.09**	**0.09**	0.09	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**98.00**
4B42	**10**	**0.34**	**0.34**	0.26	0.00	0.08	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**83.86**
4B43	**10**	**0.45**	**0.45**	0.34	0.00	0.11	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**83.34**
4B44	**10**	**0.45**	**0.45**	0.34	0.00	0.11	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**83.34**
4B45	**10**	**0.82**	**0.82**	0.58	0.00	0.24	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**80.68**
4B46	**10**	**0.44**	**0.44**	0.44	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**98.00**
4B47	**10**	**0.12**	**0.12**	0.12	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
4B48	**10**	**0.14**	**0.14**	0.14	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
4B50	**10**	**0.97**	**0.97**	0.97	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**98.00**
4B51	**10**	**0.21**	**0.21**	0.18	0.00	0.03	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**89.54**
4B52	**10**	**0.39**	**0.39**	0.31	0.00	0.08	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**85.63**
4B53	**10**	**0.35**	**0.35**	0.28	0.00	0.07	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**85.94**
4B54	**10**	**0.76**	**0.76**	0.76	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
4B55	**10**	**0.13**	**0.13**	0.10	0.00	0.03	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**84.12**
4B56	**10**	**0.22**	**0.22**	0.19	0.00	0.03	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**89.96**
4B57	**10**	**0.93**	**0.93**	0.57	0.00	0.36	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**75.95**
4B58	**10**	**0.54**	**0.54**	0.40	0.00	0.14	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**82.50**
4B59	**10**	**0.29**	**0.29**	0.23	0.00	0.06	**0.00**	0.00	0.00	0.00	13.00	11.55	8.18	**85.53**
4B60	**10**	**0.33**	**0.33**	0.27	0.00	0.06	**0.00**	0.00	0.00	0.00	13.00	11.55	8.18	**87.05**
4B61	**10**	**0.70**	**0.70**	0.57	0.00	0.13	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**86.81**
4B62	**10**	**1.29**	**1.29**	1.29	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**98.00**
4B63	**10**	**2.01**	**2.01**	1.59	0.00	0.42	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**85.40**
4B65	**10**	**0.04**	**0.04**	0.04	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
4B66	**10**	**0.07**	**0.07**	0.07	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
4B68	**10**	**0.89**	**0.89**	0.89	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**98.00**
4B70	**10**	**0.20**	**0.20**	0.16	0.00	0.04	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**85.94**
4B71	**10**	**0.46**	**0.46**	0.39	0.00	0.07	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**88.93**
4B72	**10**	**0.36**	**0.36**	0.30	0.00	0.06	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**88.00**
4B73	**10**	**0.43**	**0.43**	0.37	0.00	0.06	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**89.76**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 4 **SHGWT EL. (ft-NAVD): 1.45**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
4B74	**10**	**0.36**	**0.36**	0.29	0.00	0.07	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**86.28**
4B75	**10**	**0.92**	**0.92**	0.92	0.00	0.00	**0.00**	0.00	0.00	0.00	29.00	27.55	8.18	**98.00**
4B76	**10**	**0.88**	**0.88**	0.88	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**98.00**
4B78	**10**	**0.52**	**0.52**	0.52	0.00	0.00	**0.00**	0.00	0.00	0.00	21.00	19.55	8.18	**98.00**
4B79	**10**	**0.77**	**0.77**	0.77	0.00	0.00	**0.00**	0.00	0.00	0.00	15.00	13.55	8.18	**98.00**
4B80	**10**	**0.75**	**0.75**	0.75	0.00	0.00	**0.00**	0.00	0.00	0.00	13.00	11.55	8.18	**98.00**
4B81	**10**	**0.61**	**0.61**	0.61	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**98.00**
4B83	**10**	**0.60**	**0.60**	0.60	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**98.00**
4B84_1	**10**	**0.81**	**0.81**	0.81	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**98.00**
4B84_2	**10**	**2.38**	**2.38**	2.38	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
4B85_1	**10**	**0.41**	**0.41**	0.41	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**98.00**
4B85_2	**10**	**0.38**	**0.38**	0.38	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
4B86	**10**	**0.47**	**0.47**	0.47	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
4B87	**10**	**0.91**	**0.91**	0.91	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
4B03-OFFSITE	**10**	**0.18**	**0.00**	0.00	0.00	0.00	**0.18**	0.08	0.00	0.10	6.00	4.55	8.18	**68.75**
4B06_1-OFFSITE	**10**	**0.31**	**0.00**	0.00	0.00	0.00	**0.31**	0.26	0.00	0.05	7.00	5.55	8.18	**88.34**
4B06_2-OFFSITE	**10**	**1.20**	**0.00**	0.00	0.00	0.00	**1.20**	0.74	0.00	0.46	6.00	4.55	8.18	**76.13**
4B11-OFFSITE	**10**	**1.54**	**0.00**	0.00	0.00	0.00	**1.54**	0.37	0.00	1.17	13.00	11.55	8.18	**61.67**
4B12-OFFSITE	**10**	**3.93**	**0.00**	0.00	0.00	0.00	**3.93**	1.55	0.00	2.38	9.00	7.55	8.18	**66.87**
4B14-OFFSITE	**10**	**1.76**	**0.00**	0.00	0.00	0.00	**1.76**	0.27	0.00	1.49	12.00	10.55	8.18	**59.08**
4B42-OFFSITE	**10**	**0.23**	**0.00**	0.00	0.00	0.00	**0.23**	0.00	0.00	0.23	13.00	11.55	8.18	**55.01**
4B43-OFFSITE	**10**	**0.27**	**0.00**	0.00	0.00	0.00	**0.27**	0.03	0.00	0.24	11.00	9.55	8.18	**57.90**
4B44-OFFSITE	**10**	**0.80**	**0.00**	0.00	0.00	0.00	**0.80**	0.30	0.00	0.50	11.00	9.55	8.18	**66.17**
4B45-OFFSITE	**10**	**0.39**	**0.00**	0.00	0.00	0.00	**0.39**	0.19	0.00	0.20	11.00	9.55	8.18	**70.45**
4B51-OFFSITE	**10**	**0.96**	**0.00**	0.00	0.00	0.00	**0.96**	0.30	0.00	0.66	9.00	7.55	8.18	**64.01**
4B52-OFFSITE	**10**	**1.99**	**0.00**	0.00	0.00	0.00	**1.99**	0.82	0.00	1.17	10.00	8.55	8.18	**67.52**
4B57-OFFSITE	**10**	**2.02**	**0.00**	0.00	0.00	0.00	**2.02**	0.78	0.00	1.24	10.00	8.55	8.18	**66.57**
4B63-OFFSITE	**10**	**5.48**	**0.00**	0.00	0.00	0.00	**5.48**	2.79	0.00	2.69	8.00	6.55	8.18	**71.35**
4B69-OFFSITE	**10**	**1.46**	**0.00**	0.00	0.00	0.00	**1.46**	0.17	0.00	1.29	8.00	6.55	8.18	**58.05**
4B70-OFFSITE	**10**	**0.70**	**0.00**	0.00	0.00	0.00	**0.70**	0.21	0.00	0.49	11.00	9.55	8.18	**63.59**
4B71-OFFSITE	**10**	**2.43**	**0.00**	0.00	0.00	0.00	**2.43**	0.94	0.00	1.49	11.00	9.55	8.18	**66.60**
4B72-OFFSITE	**10**	**0.86**	**0.00**	0.00	0.00	0.00	**0.86**	0.35	0.00	0.51	12.00	10.55	8.18	**67.34**
4B73-OFFSITE	**10**	**0.48**	**0.00**	0.00	0.00	0.00	**0.48**	0.17	0.00	0.31	11.00	9.55	8.18	**65.43**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 4 **SHGWT EL. (ft-NAVD): 1.45**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
4B74-OFFSITE	**10**	**0.71**	**0.00**	0.00	0.00	0.00	**0.71**	0.04	0.00	0.67	11.00	9.55	8.18	**56.44**
POND401	**10**	**1.65**	**1.65**	0.00	0.00	1.65	**0.00**	0.00	0.00	0.00	6.00	4.55	8.18	**55.01**
POND402	**10**	**0.64**	**0.64**	0.00	0.00	0.64	**0.00**	0.00	0.00	0.00	6.00	4.55	8.18	**55.01**
POND403	**10**	**0.58**	**0.58**	0.00	0.00	0.58	**0.00**	0.00	0.00	0.00	6.00	4.55	8.18	**55.01**
POND404	**10**	**0.54**	**0.54**	0.00	0.00	0.54	**0.00**	0.00	0.00	0.00	6.00	4.55	8.18	**55.01**
POND405	**10**	**0.69**	**0.69**	0.00	0.00	0.69	**0.00**	0.00	0.00	0.00	6.00	4.55	8.18	**55.01**
O401		**80.03**	**52.33**	**41.03**	**0.00**	**11.30**	**27.70**	**10.36**	**0.00**	**17.34**	-	-	-	**-**
4B90_2	**10**	**0.33**	**0.33**	0.17	0.00	0.16	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**71.60**
4B91	**10**	**0.20**	**0.20**	0.20	0.00	0.00	**0.00**	0.00	0.00	0.00	5.00	3.55	4.95	**98.00**
4B92	**10**	**0.60**	**0.60**	0.60	0.00	0.00	**0.00**	0.00	0.00	0.00	7.00	5.55	8.18	**98.00**
4B93	**10**	**0.44**	**0.44**	0.44	0.00	0.00	**0.00**	0.00	0.00	0.00	8.00	6.55	8.18	**98.00**
4B94	**10**	**0.60**	**0.60**	0.60	0.00	0.00	**0.00**	0.00	0.00	0.00	8.00	6.55	8.18	**98.00**
4B95	**10**	**0.34**	**0.34**	0.26	0.00	0.08	**0.00**	0.00	0.00	0.00	5.00	3.55	4.95	**89.57**
4B96_1	**10**	**0.17**	**0.17**	0.12	0.00	0.05	**0.00**	0.00	0.00	0.00	23.00	21.55	8.18	**80.61**
4B96_2	**10**	**0.40**	**0.40**	0.35	0.00	0.05	**0.00**	0.00	0.00	0.00	24.00	22.55	8.18	**90.72**
4B97_1	**10**	**0.28**	**0.28**	0.28	0.00	0.00	**0.00**	0.00	0.00	0.00	7.00	5.55	8.18	**98.00**
4B97_2	**10**	**0.17**	**0.17**	0.17	0.00	0.00	**0.00**	0.00	0.00	0.00	7.00	5.55	8.18	**98.00**
4B98	**10**	**0.94**	**0.94**	0.94	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
4B99	**10**	**0.10**	**0.10**	0.10	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
4B101_1	**10**	**4.31**	**4.31**	4.31	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
4B101_2	**10**	**1.20**	**1.20**	0.96	0.00	0.24	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**85.94**
4B102	**10**	**0.38**	**0.38**	0.38	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
4B104	**10**	**0.72**	**0.72**	0.72	0.00	0.00	**0.00**	0.00	0.00	0.00	17.00	15.55	8.18	**98.00**
4B105	**10**	**0.83**	**0.83**	0.00	0.00	0.83	**0.00**	0.00	0.00	0.00	6.00	4.55	8.18	**55.01**
4B106	**10**	**0.30**	**0.30**	0.30	0.00	0.00	**0.00**	0.00	0.00	0.00	24.00	22.55	8.18	**98.00**
4B107	**10**	**0.28**	**0.28**	0.28	0.00	0.00	**0.00**	0.00	0.00	0.00	30.00	28.55	8.18	**98.00**
4B108	**10**	**0.31**	**0.31**	0.31	0.00	0.00	**0.00**	0.00	0.00	0.00	21.00	19.55	8.18	**98.00**
4B109	**10**	**0.29**	**0.29**	0.29	0.00	0.00	**0.00**	0.00	0.00	0.00	28.00	26.55	8.18	**98.00**
4B90_1-OFFSITE	**10**	**4.76**	**0.00**	0.00	0.00	0.00	**4.76**	2.23	0.00	2.53	13.00	11.55	8.18	**69.70**
4B90_2-OFFSITE	**10**	**1.01**	**0.00**	0.00	0.00	0.00	**1.01**	0.14	0.00	0.87	10.00	8.55	8.18	**58.66**
O402		**18.96**	**13.19**	**11.78**	**0.00**	**1.41**	**5.77**	**2.37**	**0.00**	**3.40**	-	-	-	**-**
SYSTEM TOTALS		**98.99**	**65.52**	**52.81**	**0.00**	**12.71**	**33.47**	**12.73**	**0.00**	**20.74**	**--**	**--**	**--**	**--**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY

DRAINAGE SYSTEM: ***4***

SYSTEM	SHGWT EL. (ft-NAVD)	TOTAL ONSITE AREA (Ac.) *[POST-DEV.]*	ONSITE IMPERVIOUS AREA (Ac.) *[POST-DEV.]*	ONSITE PERVIOUS AREA (Ac.) *[POST-DEV.]*	SFWMD 1" OVER TOTAL ONSITE AREA (Ac-ft)	SFWMD 2.5" OVER IMPERVIOUS AREA (Ac-ft)	[1] SFWMD WATER QUALITY TREATMENT REQUIRED FOR RETENTION (Ac-ft)	[2] DRER WATER QUALITY TREATMENT REQUIRED (Ac-ft)	[3] DRY- / WET-RETENTION TREATMENT VOLUME PROVIDED (Ac-ft)	FRENCH DRAIN TREATMENT VOLUME PROVIDED (Ac-ft)	TOTAL TREATMENT VOLUME PROVIDED (Ac-ft)	SFWMD SURPLUS TREATMENT VOLUME PROVIDED (Ac-ft)
O401	1.45	52.33	41.03	11.30	4.36	8.55	**8.55**	**6.82**	6.49	26.71	**33.20**	**24.65**
O402	1.45	13.19	11.78	1.41	1.10	2.45	**2.45**	**1.80**	0.00	2.50	**2.50**	**0.05**
SYSTEM TOTAL	1.45	65.52	52.81	12.71	5.46	11.00	**11.00**	**8.61**	6.49	29.22	**35.70**	**24.70**

[1] 2.5" over Additional Impervious Area.

[2] See next page for water quality calculations by Miami-Dade Department of Regulatory and Economic Resources (DRER).

[3] Multiplied by 2 to account for 50% retention volume credit.

POND 401		
TYPE:	Dry Detention	
STAGE (ft-NAVD)	**AREA (Ac.)**	**VOLUME (Ac-ft)**
2.45	0.47	--
3.45	0.51	0.49
4.45	0.55	1.02
5.45	0.60	1.60
6.45	0.65	2.22
7.45	0.69	2.89
7.95	***0.72***	***3.24***
8.45	0.74	3.61
9.45	0.78	4.37

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY CALCULATIONS BY DRER

Drainage System: **O401**

AREA (PRCS5S01):

Onsite Impervious	**41.03**	Ac.	78%
Onsite Pervious	**11.30**	Ac.	22%
Total Area	**52.33**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5\,(0.5895 + F^{-0.67})}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.77 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV}) / A_T = \mathbf{0.77}$$

$t_{1"}$ = 12.07 min.

TOTAL TIME OF CONCENTRATION (T_T)

$T_T = t_{1"} + Tc =$ 22.07 min.

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt\,(0.5895 + F^{-0.67})}$$

i = 5.56 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ Q_{1"}\ T_T =$ **297001.56** **ft³** = **6.82** **ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY CALCULATIONS BY DRER

Drainage System: **O402**

AREA (PRCS5S01):

Onsite Impervious	**11.78**	Ac.	89%
Onsite Pervious	**1.41**	Ac.	11%
Total Area	**13.19**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5\,(0.5895 + F^{-0.67})}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.84 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV}) / A_T = \mathbf{0.84}$$

$t_{1"}$ = 10.91 min.

TOTAL TIME OF CONCENTRATION (T_T)

$T_T = t_{1"} + Tc =$ 20.91 min.

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt\,(0.5895 + F^{-0.67})}$$

i = 5.66 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ Q_{1"}\ T_T =$ **78253.05** ft^3 = **1.80** **ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

AVERAGE HYDRAULIC CONDUCTIVITY AND TEST HOLE DEPTH CALCULATIONS

SR-826/PALMETTO EXPRESSWAY - SYSTEM 4				
Test Depth	[1]Percolation Test Number and Ground Elevation (ft-NAVD)		Average	Estimated K value
	PT-1	-		
	7.45	-	7.45	
	(cfs/ft^2-ft Head)	(cfs/ft^2-ft Head)	(cfs/ft^2-ft Head)	(cfs/ft^2-ft Head)
10 ft	-	-	-	2.29E-03
15 ft	2.29E-03	-	2.29E-03	
20 ft	-	-	-	

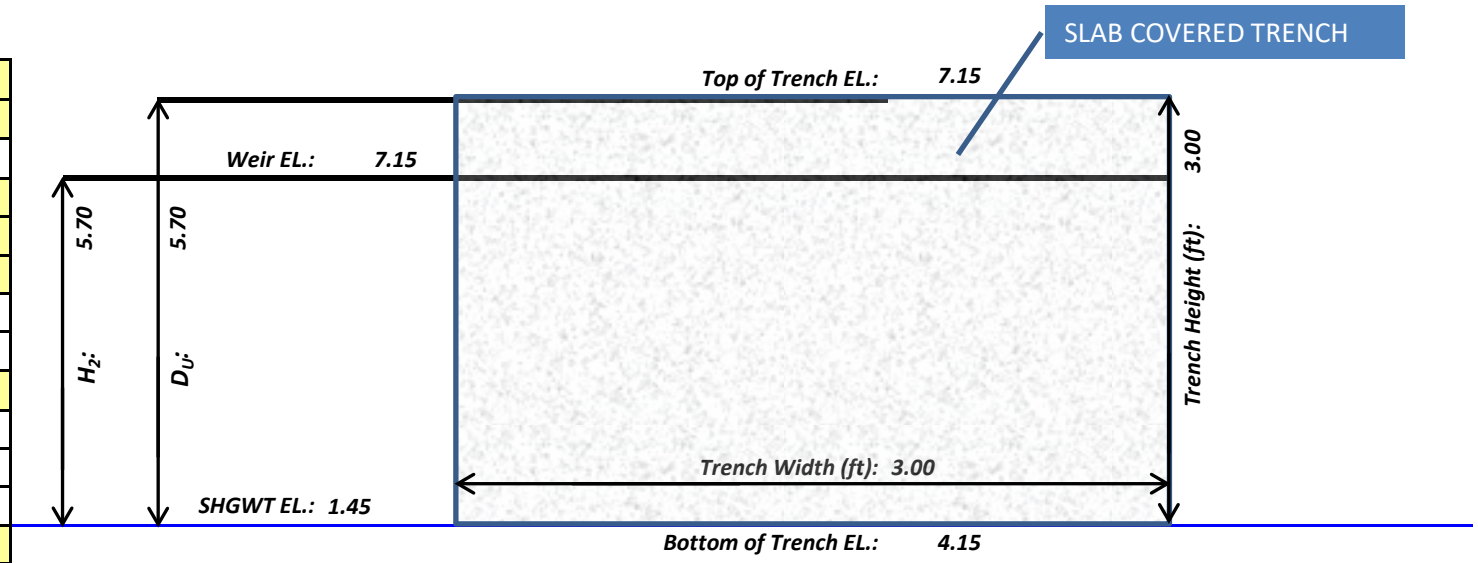
[1]Estimated hydraulic conductivity is based on the exfiltration test used on System 5.
Exfiltration test information derived from SFWMD ERP Permit No. 13-02686-P, Palmetto Expressway Section 2 - Drainage Report.

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 4

French Drain (ICPR Link Name):	EX4S43A_4GW1/EX4S43_4GW1
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	--
Effective Length of French Drain, L (LF):	216.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	108.00
Pipe Thickness (in):	--
Pipe Invert EL. (ft-NAVD):	--
Top of Trench EL. (ft-NAVD):	7.15
Bottom of Trench EL. (ft-NAVD):	4.15
Trench Height, H_T (ft):	3.00
Weir EL. (ft-NAVD):	7.15
Trench Width, W (ft):	3.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	5.70
Non-Saturated Trench Depth, D_U (ft):	5.70
Saturated Trench Depth, D_S (ft):	0.00
H_2W:	17.10
$2H_2D_U$:	64.98
D_U^2:	32.49
$2H_2D_S$:	0.00
$(1.39x10^{-4})WD_U$:	0.002377
d_2:	0.00
d_3:	0.00
K_{10}:	2.29E-03
K_{15}:	2.29E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	12.52
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	N/A
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	Yes
Treatment Volume Provided, V (Ac-ft):	**1.04**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 4

French Drain (ICPR Link Name): **EX4S43A_4GW1/EX4S43_4GW1**
Existing/Proposed: **Existing**
Pipe Size (in): **--**
1 /2 Length of French Drain, *L* (LF) * : **54.00**
Trench Height, H_T (ft): **3.00**
Trench Width, *W* (ft): **3.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**
Pipe Invert EL. (ft-NAVD): **--**
Top of Trench EL. (ft-NAVD): **7.15**
Bottom of Trench EL. (ft-NAVD): **4.15**
Weir EL. (ft-NAVD): Lower Grade EL. **7.15**
Upstream Structure Rim/Grate EL. (ft-NAVD): **7.56**

SHGWT EL. (ft-NAVD): **1.45**
Max Stage (ft-NAVD): ***7.56***
AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level:** **2.98**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**7.15**	5.70	0.00	5.70	0.07440	**4.0177**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.56**	5.70	0.00	6.11	0.08511	**4.5957**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**7.15**	4.17	0.00	4.17	0.03982	**2.1503**	$E = 2Kavg\ D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.56**	4.17	0.00	4.58	0.04765	**2.5732**	$E = 2Kavg\ [D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

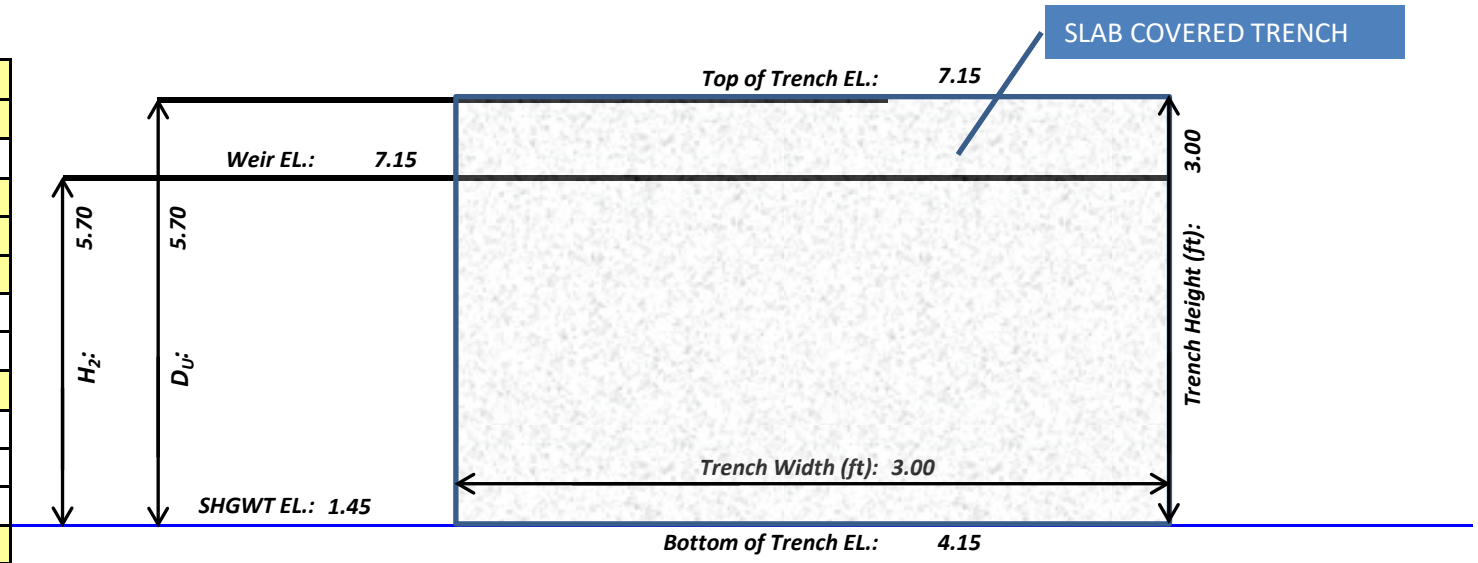
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**7.15**	**4.0177**
1.45	**7.56**	**4.5957**
2.98	**2.98**	**0.0000**
2.98	**7.15**	**2.1503**
2.98	**7.56**	**2.5732**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 4

French Drain (ICPR Link Name):	EX4S43_4GW2/EX4S44_4GW2
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	--
Effective Length of French Drain, L (LF):	244.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	122.00
Pipe Thickness (in):	--
Pipe Invert EL. (ft-NAVD):	--
Top of Trench EL. (ft-NAVD):	7.15
Bottom of Trench EL. (ft-NAVD):	4.15
Trench Height, H_T (ft):	3.00
Weir EL. (ft-NAVD):	7.15
Trench Width, W (ft):	3.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	5.70
Non-Saturated Trench Depth, D_U (ft):	5.70
Saturated Trench Depth, D_S (ft):	0.00
H_2W:	17.10
$2H_2D_U$:	64.98
D_U^2:	32.49
$2H_2D_S$:	0.00
$(1.39x10^{-4})WD_U$:	0.002377
d_2:	0.00
d_3:	0.00
K_{10}:	2.29E-03
K_{15}:	2.29E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	14.14
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	N/A
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	Yes
Treatment Volume Provided, V (Ac-ft):	**1.18**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 4

French Drain (ICPR Link Name): **EX4S43_4GW2/EX4S44_4GW2**
Existing/Proposed: **Existing**
Pipe Size (in): **--**
1 /2 Length of French Drain, *L* (LF) * : **61.00**
Trench Height, H_T (ft): **3.00**
Trench Width, *W* (ft): **3.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**
Pipe Invert EL. (ft-NAVD): **--**
Top of Trench EL. (ft-NAVD): **7.15**
Bottom of Trench EL. (ft-NAVD): **4.15**
Weir EL. (ft-NAVD): Lower Grade EL. **7.15**
Upstream Structure Rim/Grate EL. (ft-NAVD): **7.56**

SHGWT EL. (ft-NAVD): **1.45**
Max Stage (ft-NAVD): ***7.56***
AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level:** **2.98**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**7.15**	5.70	0.00	5.70	0.07440	**4.5385**	$E = 2K_{avg}D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.56**	5.70	0.00	6.11	0.08511	**5.1914**	$E = 2K_{avg}[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**7.15**	4.17	0.00	4.17	0.03982	**2.4291**	$E = 2K_{avg}D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.56**	4.17	0.00	4.58	0.04765	**2.9067**	$E = 2K_{avg}[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

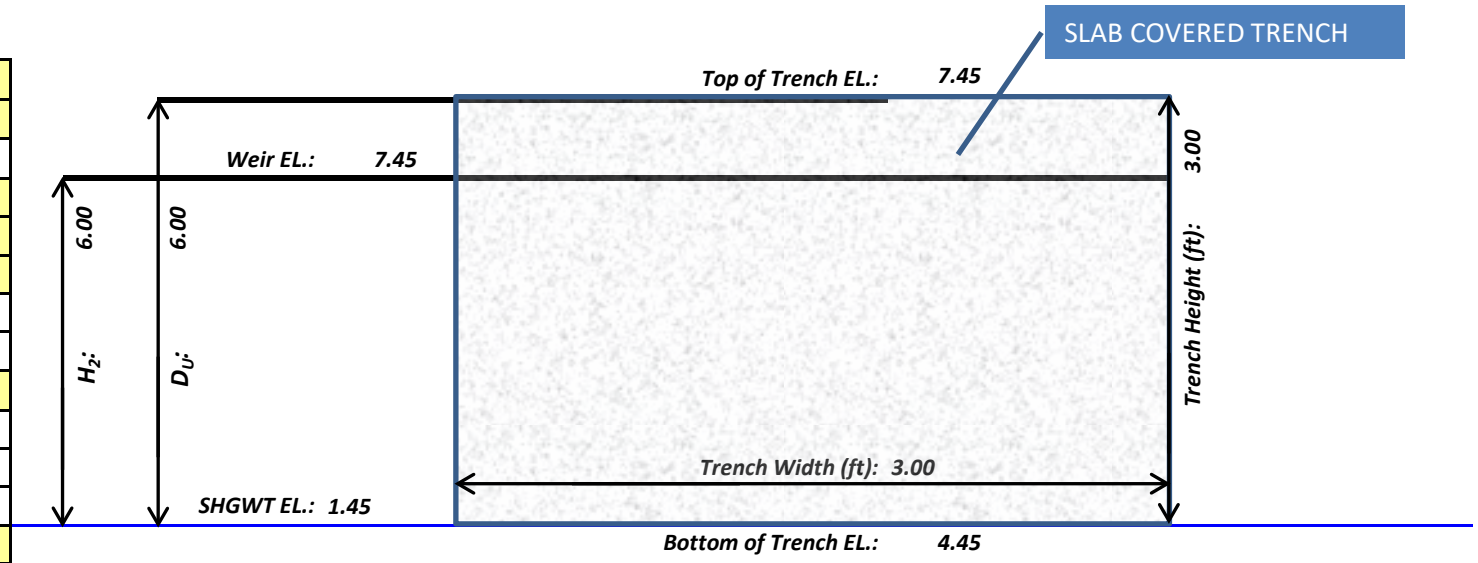
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**7.15**	**4.5385**
1.45	**7.56**	**5.1914**
2.98	**2.98**	**0.0000**
2.98	**7.15**	**2.4291**
2.98	**7.56**	**2.9067**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 4

French Drain (ICPR Link Name):	EX4S44_4GW3/EX4S45_4GW3
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	--
Effective Length of French Drain, L (LF):	98.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	49.00
Pipe Thickness (in):	--
Pipe Invert EL. (ft-NAVD):	--
Top of Trench EL. (ft-NAVD):	7.45
Bottom of Trench EL. (ft-NAVD):	4.45
Trench Height, H_T (ft):	3.00
Weir EL. (ft-NAVD):	7.45
Trench Width, W (ft):	3.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	6.00
Non-Saturated Trench Depth, D_U (ft):	6.00
Saturated Trench Depth, D_S (ft):	0.00
H_2W:	18.00
$2H_2D_U$:	72.00
D_U^2:	36.00
$2H_2D_S$:	0.00
$(1.39x10^{-4})WD_U$:	0.002502
d_2:	0.00
d_3:	0.00
K_{10}:	2.29E-03
K_{15}:	2.29E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	6.18
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	N/A
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	Yes
Treatment Volume Provided, V (Ac-ft):	**0.52**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 4

French Drain (ICPR Link Name): **EX4S44_4GW3/EX4S45_4GW3**
Existing/Proposed: **Existing**
Pipe Size (in): **--**
1 /2 Length of French Drain, *L* (LF) * : **24.50**
Trench Height, H_T (ft): **3.00**
Trench Width, *W* (ft): **3.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**
Pipe Invert EL. (ft-NAVD): **--**
Top of Trench EL. (ft-NAVD): **7.45**
Bottom of Trench EL. (ft-NAVD): **4.45**
Weir EL. (ft-NAVD): Lower Grade EL. **7.45**
Upstream Structure Rim/Grate EL. (ft-NAVD): **7.56**

SHGWT EL. (ft-NAVD): **1.45**
Max Stage (ft-NAVD): ***7.56***
AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level:** **2.98**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**7.45**	6.00	0.00	6.00	0.08244	**2.0198**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.56**	6.00	0.00	6.11	0.08546	**2.0938**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**7.45**	4.47	0.00	4.47	0.04576	**1.1210**	$E = 2Kavg\, D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.56**	4.47	0.00	4.58	0.04801	**1.1762**	$E = 2Kavg\,[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

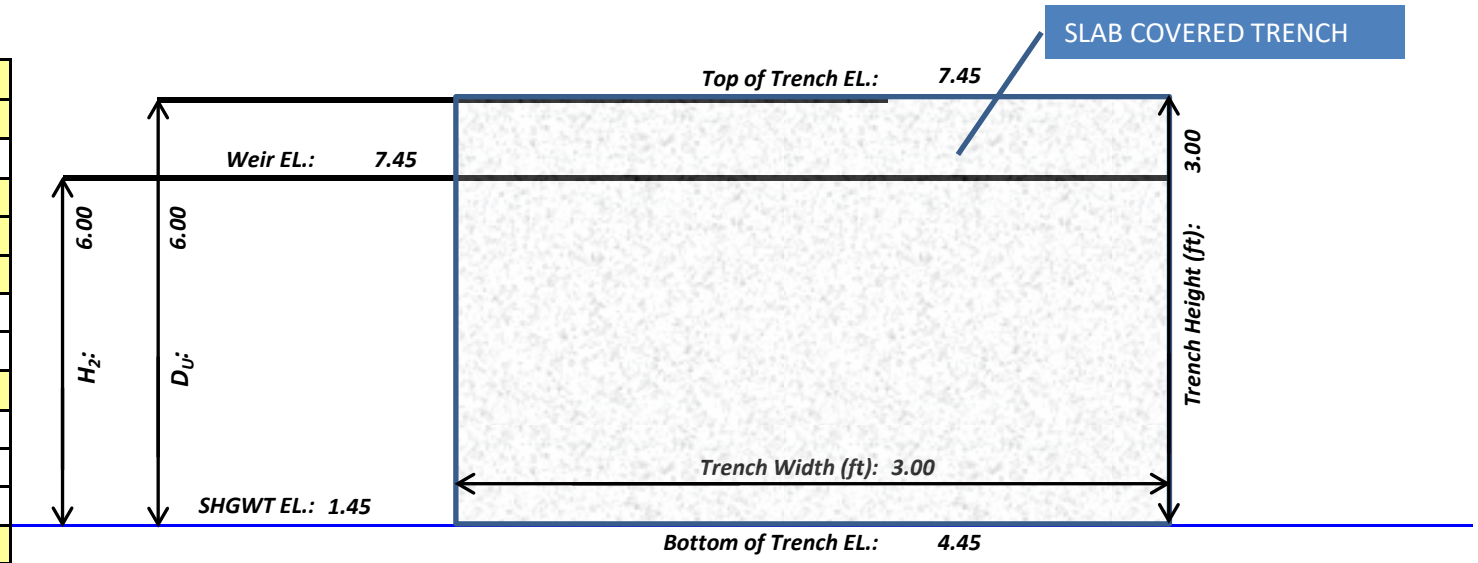
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**7.45**	**2.0198**
1.45	**7.56**	**2.0938**
2.98	**2.98**	**0.0000**
2.98	**7.45**	**1.1210**
2.98	**7.56**	**1.1762**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 4

French Drain (ICPR Link Name):	EX4S45_4GW4/EX4S46A_4GW4
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	--
Effective Length of French Drain, L (LF):	561.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	280.50
Pipe Thickness (in):	--
Pipe Invert EL. (ft-NAVD):	--
Top of Trench EL. (ft-NAVD):	7.45
Bottom of Trench EL. (ft-NAVD):	4.45
Trench Height, H_T (ft):	3.00
Weir EL. (ft-NAVD):	7.45
Trench Width, W (ft):	3.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	6.00
Non-Saturated Trench Depth, D_U (ft):	6.00
Saturated Trench Depth, D_S (ft):	0.00
H_2W:	18.00
$2H_2D_U$:	72.00
D_U^2:	36.00
$2H_2D_S$:	0.00
$(1.39x10^{-4})WD_U$:	0.002502
d_2:	0.00
d_3:	0.00
K_{10}:	2.29E-03
K_{15}:	2.29E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	35.39
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	N/A
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	Yes
Treatment Volume Provided, V (Ac-ft):	**2.95**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 4

French Drain (ICPR Link Name): **EX4S45_4GW4/EX4S46A_4GW4**
Existing/Proposed: **Existing**
Pipe Size (in): **--**
1 /2 Length of French Drain, *L* (LF) * : **140.25**
Trench Height, H_T (ft): **3.00**
Trench Width, *W* (ft): **3.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**
Pipe Invert EL. (ft-NAVD): **--**
Top of Trench EL. (ft-NAVD): **7.45**
Bottom of Trench EL. (ft-NAVD): **4.45**
Weir EL. (ft-NAVD): Lower Grade EL. **7.45**
Upstream Structure Rim/Grate EL. (ft-NAVD): **7.56**

SHGWT EL. (ft-NAVD): **1.45**
Max Stage (ft-NAVD): ***7.56***
AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level:** **2.98**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**7.45**	6.00	0.00	6.00	0.08244	**11.5622**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.56**	6.00	0.00	6.11	0.08546	**11.9862**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**7.45**	4.47	0.00	4.47	0.04576	**6.4173**	$E = 2Kavg\ D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.56**	4.47	0.00	4.58	0.04801	**6.7332**	$E = 2Kavg\ [D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

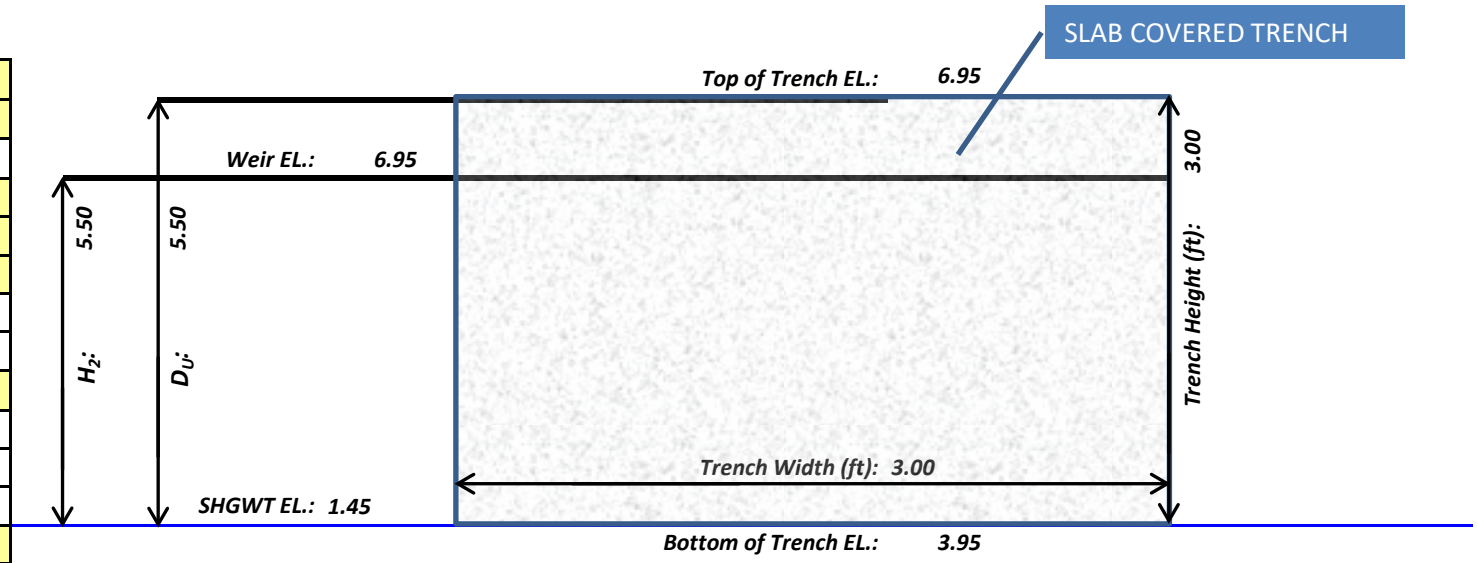
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**7.45**	**11.5622**
1.45	**7.56**	**11.9862**
2.98	**2.98**	**0.0000**
2.98	**7.45**	**6.4173**
2.98	**7.56**	**6.7332**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 4

French Drain (ICPR Link Name):	EX4S52_4GW5/EX4S53_4GW5
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	--
Effective Length of French Drain, L (LF):	580.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	290.00
Pipe Thickness (in):	--
Pipe Invert EL. (ft-NAVD):	--
Top of Trench EL. (ft-NAVD):	6.95
Bottom of Trench EL. (ft-NAVD):	3.95
Trench Height, H_T (ft):	3.00
Weir EL. (ft-NAVD):	6.95
Trench Width, W (ft):	3.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	5.50
Non-Saturated Trench Depth, D_U (ft):	5.50
Saturated Trench Depth, D_S (ft):	0.00
H_2W:	16.50
$2H_2D_U$:	60.50
D_U^2:	30.25
$2H_2D_S$:	0.00
$(1.39x10^{-4})WD_U$:	0.002294
d_2:	0.00
d_3:	0.00
K_{10}:	2.29E-03
K_{15}:	2.29E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	31.71
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	N/A
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	Yes
Treatment Volume Provided, V (Ac-ft):	**2.64 ***



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

** Note: Trench not considered for water quality purposes*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 4

French Drain (ICPR Link Name): **EX4S52_4GW5/EX4S53_4GW5**
Existing/Proposed: **Existing**
Pipe Size (in): **--**
1 /2 Length of French Drain, *L* (LF) * : **145.00**
Trench Height, H_T (ft): **3.00**
Trench Width, *W* (ft): **3.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**
Pipe Invert EL. (ft-NAVD): **--**
Top of Trench EL. (ft-NAVD): **6.95**
Bottom of Trench EL. (ft-NAVD): **3.95**
Weir EL. (ft-NAVD): Lower Grade EL. **6.95**
Upstream Structure Rim/Grate EL. (ft-NAVD): **7.56**

SHGWT EL. (ft-NAVD): **1.45**
Max Stage (ft-NAVD): ***7.56***
AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level:** **2.98**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**6.95**	5.50	0.00	5.50	0.06927	**10.0445**	$E = 2K_{avg}D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.56**	5.50	0.00	6.11	0.08464	**12.2726**	$E = 2K_{avg}[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**6.95**	3.97	0.00	3.97	0.03609	**5.2334**	$E = 2K_{avg}D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.56**	3.97	0.00	4.58	0.04718	**6.8417**	$E = 2K_{avg}[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

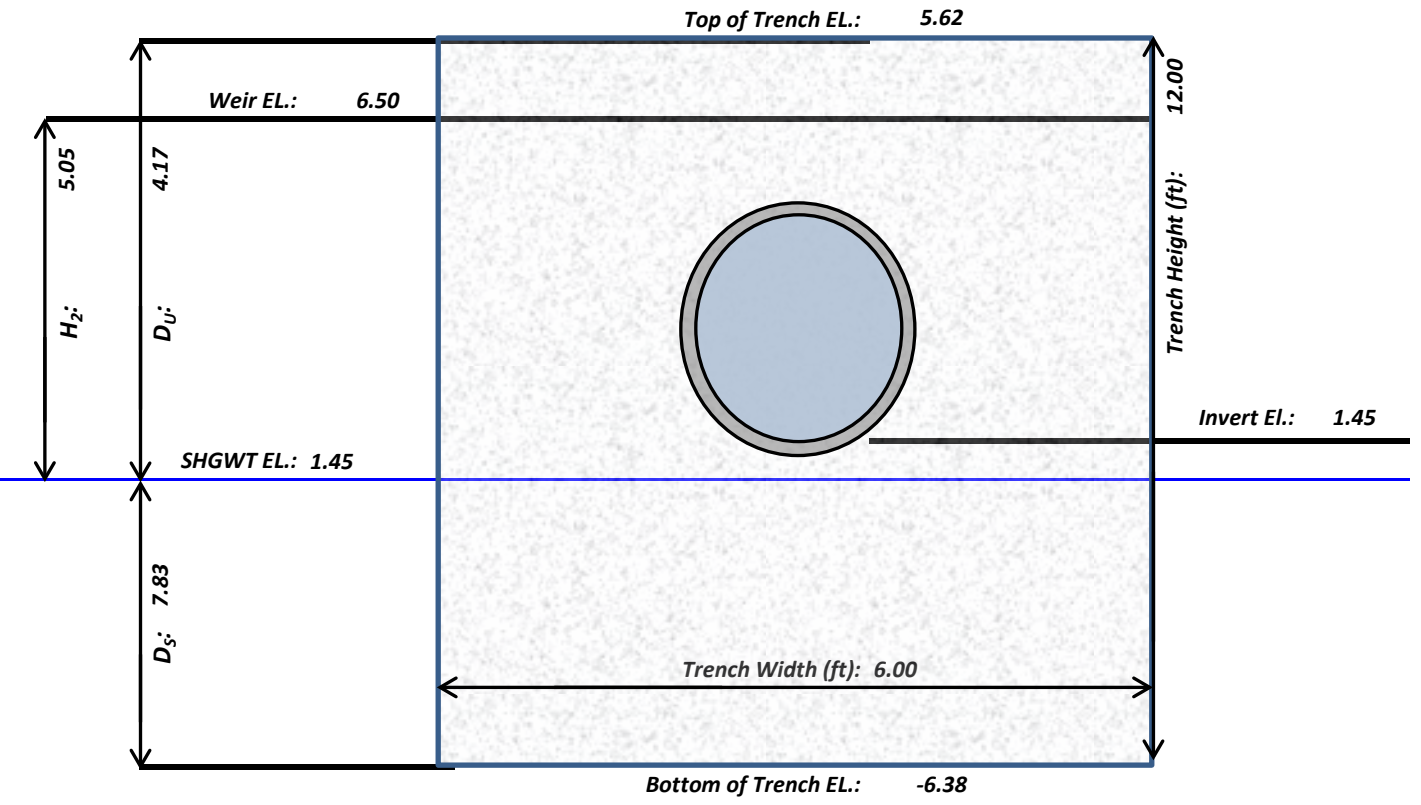
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**6.95**	**10.0445**
1.45	**7.56**	**12.2726**
2.98	**2.98**	**0.0000**
2.98	**6.95**	**5.2334**
2.98	**7.56**	**6.8417**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 4

French Drain (ICPR Link Name):	PR4S98A_4GW6 / PR4S98B_4GW6
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	249.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	124.50
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	5.62
Bottom of Trench EL. (ft-NAVD):	-6.38
Trench Height, H_T (ft):	12.00
Weir EL. (ft-NAVD):	6.50
Trench Width, W (ft):	6.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	5.05
Non-Saturated Trench Depth, D_U (ft):	4.17
Saturated Trench Depth, D_S (ft):	7.83
H_2W:	30.30
$2H_2D_U$:	42.08
D_U^2:	17.36
$2H_2D_S$:	79.12
$(1.39x10^{-4})WD_U$:	0.003475
d_2:	5.00
d_3:	0.38
K_{10}:	2.29E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	30.04
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**2.50**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 4

French Drain (ICPR Link Name): **PR4S98A_4GW6 / PR4S98B_4GW6**
Existing/Proposed: **Proposed**
Pipe Size (in): **36**
1 /2 Length of French Drain, *L* (LF) * : **62.25**
Trench Height, H_T (ft): **12.00**
Trench Width, *W* (ft): **6.00**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**
Pipe Invert EL. (ft-NAVD): **1.45**
Top of Trench EL. (ft-NAVD): **5.62**
Bottom of Trench EL. (ft-NAVD): **-6.38**
Weir EL. (ft-NAVD): **6.50**
Upstream Structure Rim/Grate EL. (ft-NAVD): **3.61**

SHGWT EL. (ft-NAVD): **1.45**
Max Stage (ft-NAVD): ***7.45***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.
AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**5.62**	4.17	2.45	4.17	0.08651	**5.3853**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.45**	4.17	2.45	6.00	0.14207	**8.8438**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**5.62**	2.64	3.45	2.64	0.05758	**3.5845**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.45**	2.64	3.45	4.47	0.10869	**6.7659**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

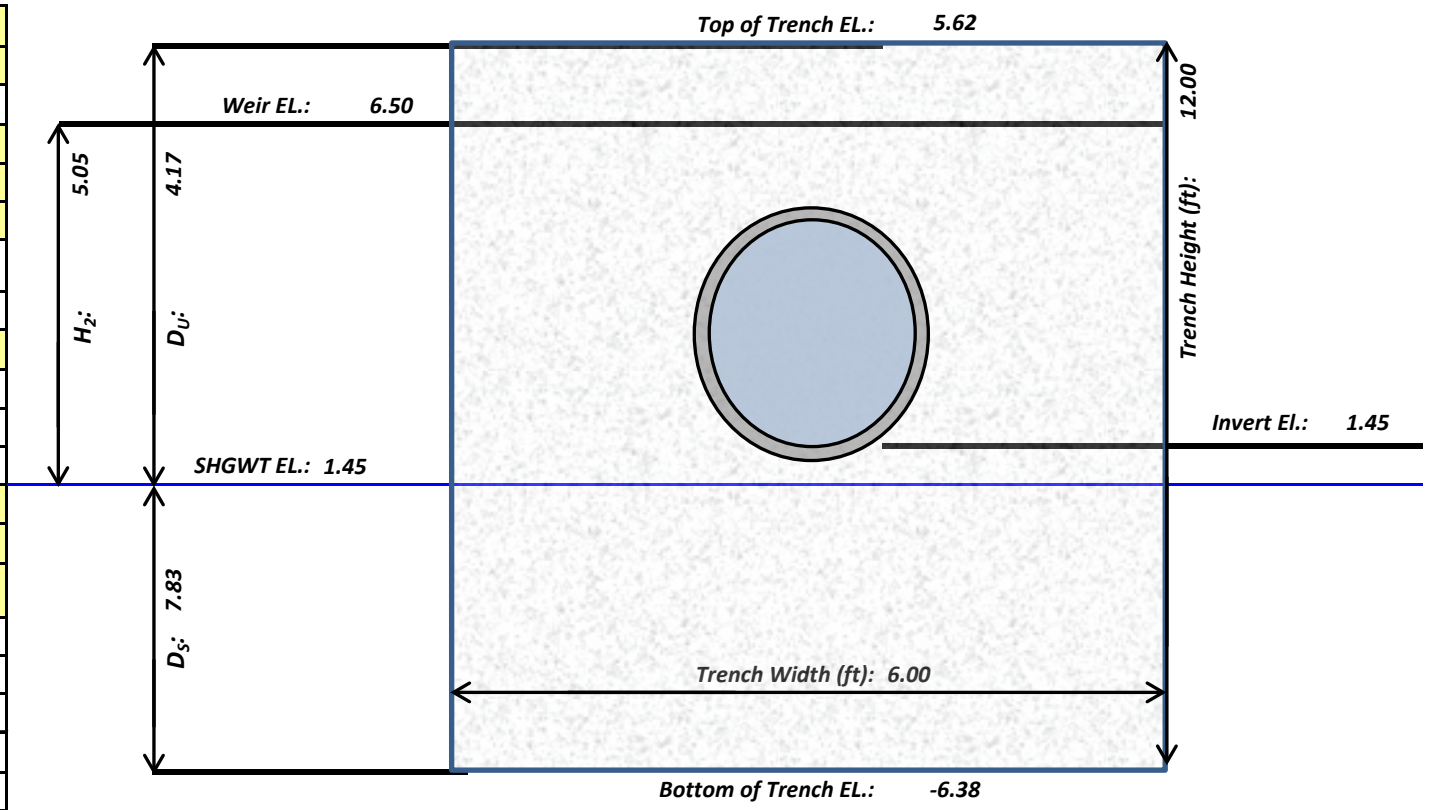
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**5.62**	**5.3853**
1.45	**7.45**	**8.8438**
2.98	**2.98**	**0.0000**
2.98	**5.62**	**3.5845**
2.98	**7.45**	**6.7659**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 4

French Drain (ICPR Link Name):	PR4S12A_4GW7/ PR4S12B_4GW7
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	36
Effective Length of French Drain, *L* (LF):	384.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, *L* (LF):	192.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	5.62
Bottom of Trench EL. (ft-NAVD):	-6.38
Trench Height, H_T (ft):	12.00
Weir EL. (ft-NAVD):	6.50
Trench Width, *W* (ft):	6.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	5.05
Non-Saturated Trench Depth, D_U (ft):	4.17
Saturated Trench Depth, D_S (ft):	7.83
H_2W:	30.30
$2H_2D_U$:	42.08
D_U^2:	17.36
$2H_2D_S$:	79.12
$(1.39x10^{-4})WD_U$:	0.003475
d_2:	5.00
d_3:	0.38
K_{10}:	2.29E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	46.32
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**3.86**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 4

French Drain (ICPR Link Name): **PR4S12A_4GW7/ PR4S12B_4GW7**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **96.00**

Trench Height, H_T (ft): **12.00**

Trench Width, *W* (ft): **6.00**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **5.62**

Bottom of Trench EL. (ft-NAVD): **-6.38**

Weir EL. (ft-NAVD): **6.50**

Upstream Structure Rim/Grate EL. (ft-NAVD): **3.61**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage (ft-NAVD): ***7.45***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**5.62**	4.17	2.45	4.17	0.08651	**8.3051**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.45**	4.17	2.45	6.00	0.14207	**13.6386**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**5.62**	2.64	3.45	2.64	0.05758	**5.5279**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.45**	2.64	3.45	4.47	0.10869	**10.4342**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

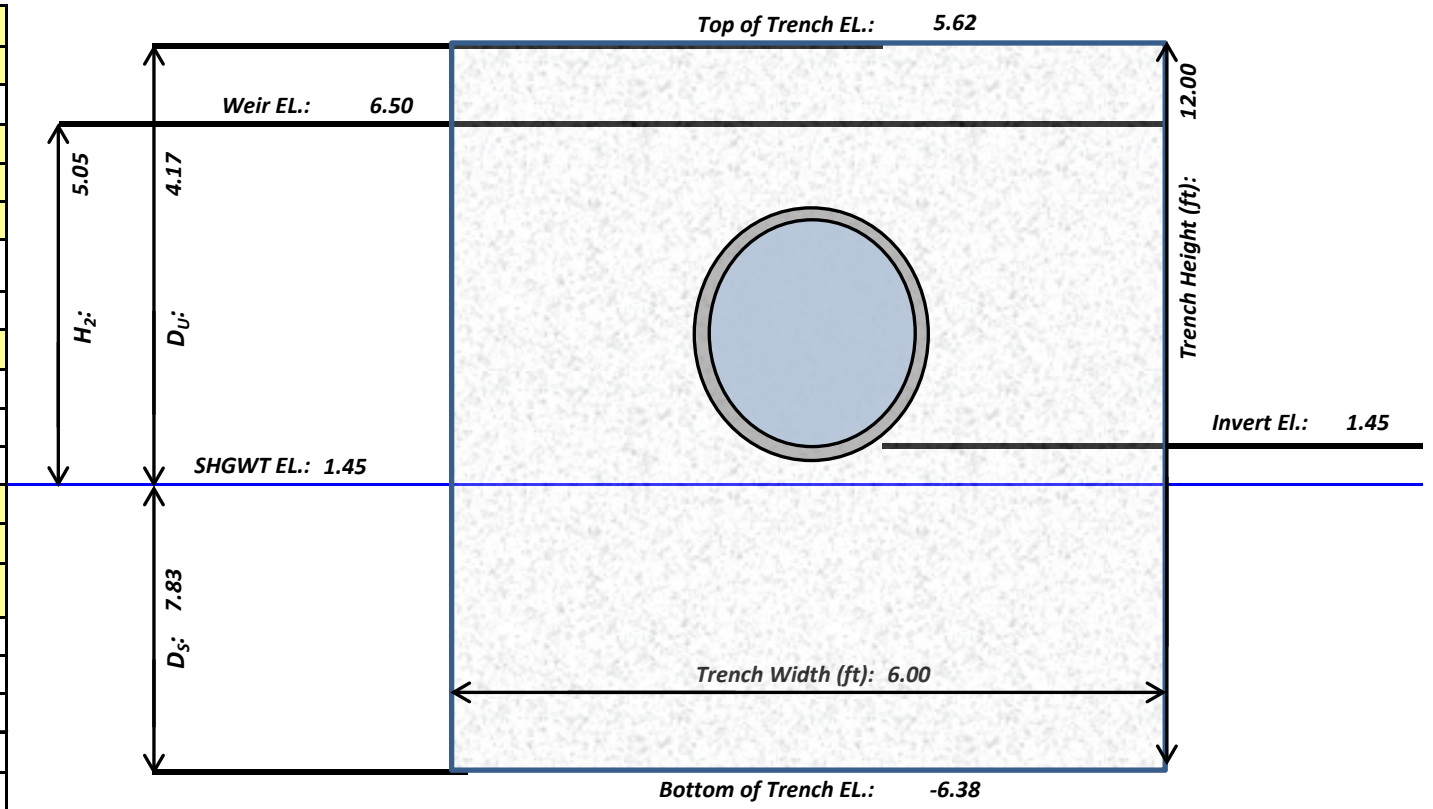
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**5.62**	**8.3051**
1.45	**7.45**	**13.6386**
2.98	**2.98**	**0.0000**
2.98	**5.62**	**5.5279**
2.98	**7.45**	**10.4342**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 4

French Drain (ICPR Link Name):	PR4S63A_4GW8/ PR4S63_4GW8
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	36
Effective Length of French Drain, *L* (LF):	384.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, *L* (LF):	192.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	5.62
Bottom of Trench EL. (ft-NAVD):	-6.38
Trench Height, H_T (ft):	12.00
Weir EL. (ft-NAVD):	6.50
Trench Width, *W* (ft):	6.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	5.05
Non-Saturated Trench Depth, D_U (ft):	4.17
Saturated Trench Depth, D_S (ft):	7.83
H_2W:	30.30
$2H_2D_U$:	42.08
D_U^2:	17.36
$2H_2D_S$:	79.12
$(1.39x10^{-4})WD_U$:	0.003475
d_2:	5.00
d_3:	0.38
K_{10}:	2.29E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	46.32
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**3.86**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 4

French Drain (ICPR Link Name): **PR4S63A_4GW8/ PR4S63_4GW8**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **96.00**

Trench Height, H_T (ft): **12.00**

Trench Width, *W* (ft): **6.00**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **5.62**

Bottom of Trench EL. (ft-NAVD): **-6.38**

Weir EL. (ft-NAVD): **6.50**

Upstream Structure Rim/Grate EL. (ft-NAVD): **3.61**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage (ft-NAVD): ***7.45***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**5.62**	4.17	2.45	4.17	0.08651	**8.3051**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.45**	4.17	2.45	6.00	0.14207	**13.6386**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**5.62**	2.64	3.45	2.64	0.05758	**5.5279**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.45**	2.64	3.45	4.47	0.10869	**10.4342**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

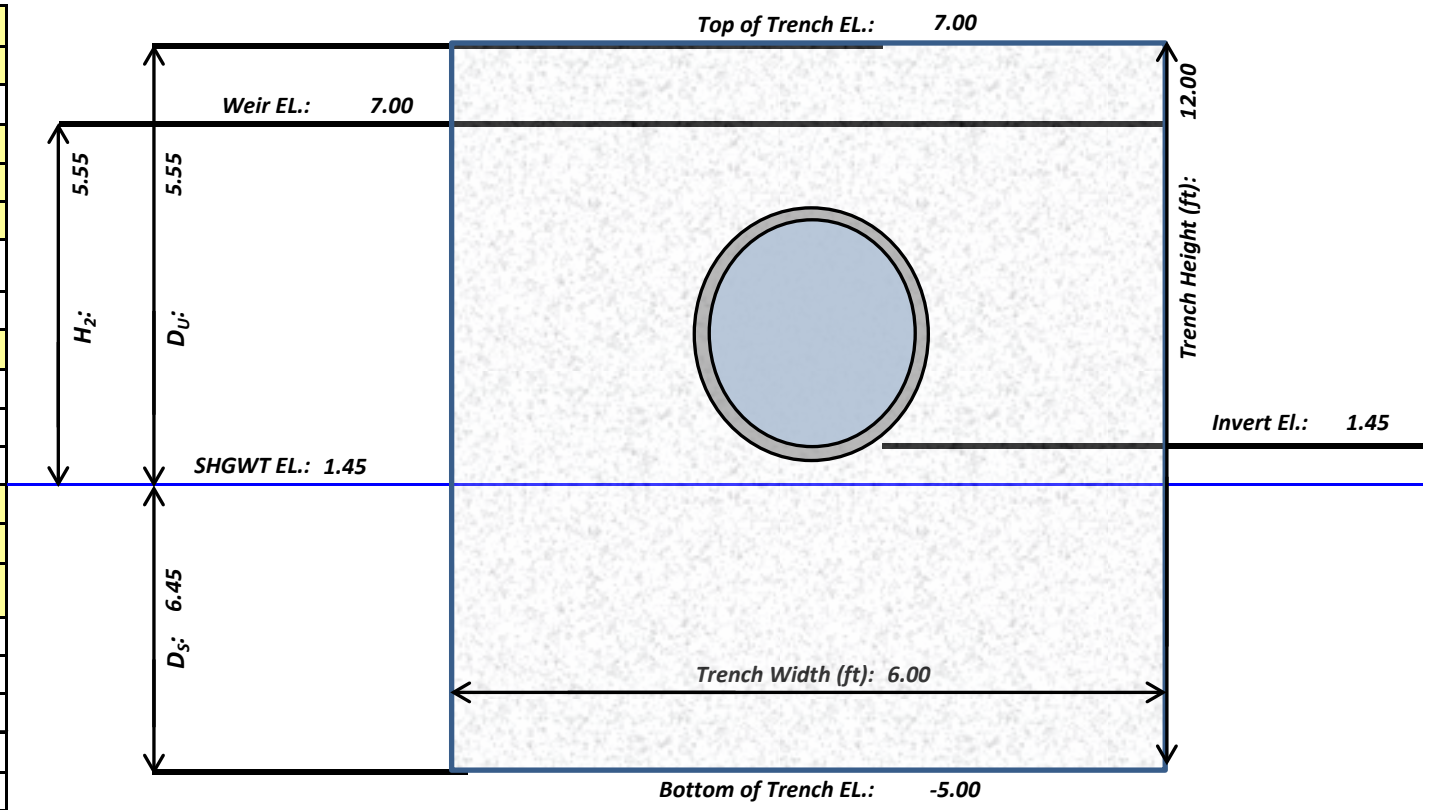
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**5.62**	**8.3051**
1.45	**7.45**	**13.6386**
2.98	**2.98**	**0.0000**
2.98	**5.62**	**5.5279**
2.98	**7.45**	**10.4342**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 4

French Drain (ICPR Link Name):	PR4S63D_4GW9/ PR4S63C_4GW9
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	36
Effective Length of French Drain, *L* (LF):	294.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, *L* (LF):	147.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	7.00
Bottom of Trench EL. (ft-NAVD):	-5.00
Trench Height, H_T (ft):	12.00
Weir EL. (ft-NAVD):	7.00
Trench Width, *W* (ft):	6.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	5.55
Non-Saturated Trench Depth, D_U (ft):	5.55
Saturated Trench Depth, D_S (ft):	6.45
H_2W:	33.30
$2H_2D_U$:	61.61
D_U^2:	30.80
$2H_2D_S$:	71.60
$(1.39x10^{-4})WD_U$:	0.004629
d_2:	4.00
d_3:	0.00
K_{10}:	2.29E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	35.15
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**2.93**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 4

French Drain (ICPR Link Name): **PR4S63D_4GW9/ PR4S63C_4GW9**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **73.50**

Trench Height, H_T (ft): **12.00**

Trench Width, *W* (ft): **6.00**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **7.00**

Bottom of Trench EL. (ft-NAVD): **-5.00**

Weir EL. (ft-NAVD): **7.00**

Upstream Structure Rim/Grate EL. (ft-NAVD): **9.00**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage (ft-NAVD): ***7.45***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**7.00**	5.55	2.45	5.55	0.13281	**9.7618**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.45**	5.55	2.45	6.00	0.14930	**10.9737**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**7.00**	4.02	3.45	4.02	0.10053	**7.3888**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.45**	4.02	3.45	4.47	0.11592	**8.5203**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

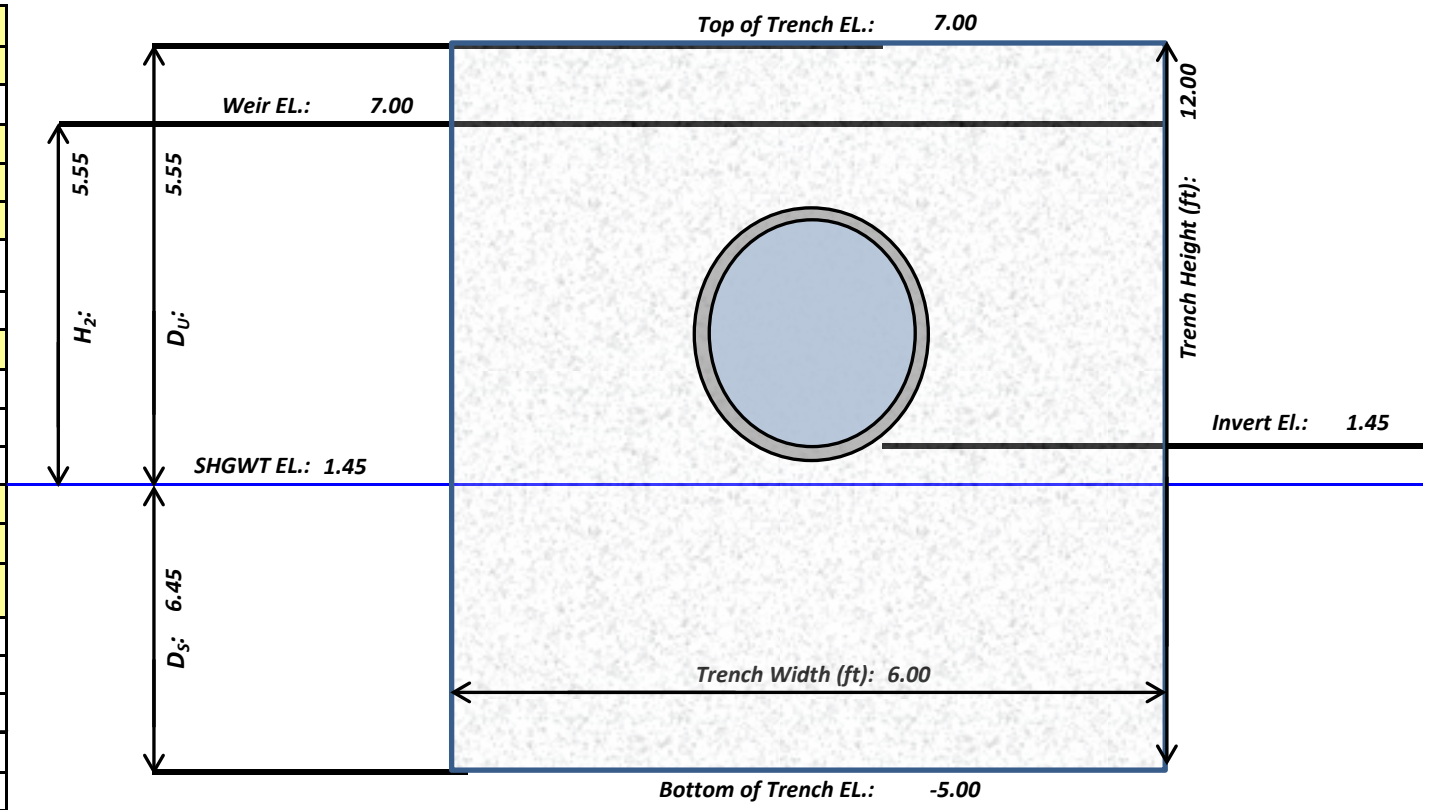
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**7.00**	**9.7618**
1.45	**7.45**	**10.9737**
2.98	**2.98**	**0.0000**
2.98	**7.00**	**7.3888**
2.98	**7.45**	**8.5203**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 4

French Drain (ICPR Link Name):	PR4S56_4GW10/ PR4S55_4GW10
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	116.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	58.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	7.00
Bottom of Trench EL. (ft-NAVD):	-5.00
Trench Height, H_T (ft):	12.00
Weir EL. (ft-NAVD):	7.00
Trench Width, W (ft):	6.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	5.55
Non-Saturated Trench Depth, D_U (ft):	5.55
Saturated Trench Depth, D_S (ft):	6.45
H_2W:	33.30
$2H_2D_U$:	61.61
D_U^2:	30.80
$2H_2D_S$:	71.60
$(1.39x10^{-4})WD_U$:	0.004629
d_2:	4.00
d_3:	0.00
K_{10}:	2.29E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	13.87
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**1.16**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 4

French Drain (ICPR Link Name): **PR4S56_4GW10/ PR4S55_4GW10**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **29.00**

Trench Height, H_T (ft): **12.00**

Trench Width, *W* (ft): **6.00**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **7.00**

Bottom of Trench EL. (ft-NAVD): **-5.00**

Weir EL. (ft-NAVD): **7.00**

Upstream Structure Rim/Grate EL. (ft-NAVD): **3.61**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage (ft-NAVD): ***7.45***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**7.00**	5.55	2.45	5.55	0.13281	**3.8516**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.45**	5.55	2.45	6.00	0.14930	**4.3298**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**7.00**	4.02	3.45	4.02	0.10053	**2.9153**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.45**	4.02	3.45	4.47	0.11592	**3.3618**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

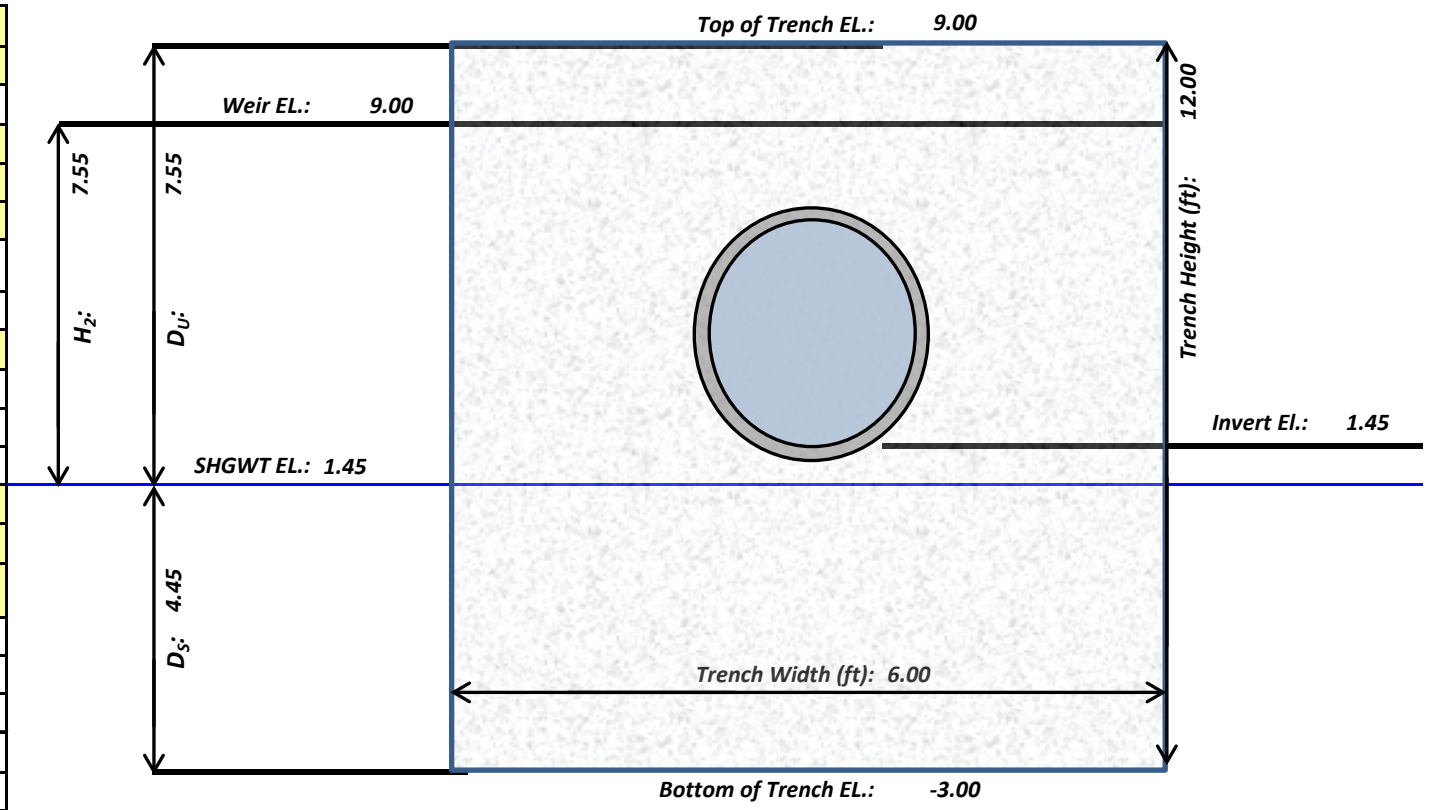
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**7.00**	**3.8516**
1.45	**7.45**	**4.3298**
2.98	**2.98**	**0.0000**
2.98	**7.00**	**2.9153**
2.98	**7.45**	**3.3618**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 4

French Drain (ICPR Link Name):	PR4S53_4GW11/ EX4S52_4GW11
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	36
Effective Length of French Drain, *L* (LF):	561.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, *L* (LF):	280.50
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	9.00
Bottom of Trench EL. (ft-NAVD):	-3.00
Trench Height, H_T (ft):	12.00
Weir EL. (ft-NAVD):	9.00
Trench Width, *W* (ft):	6.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	7.55
Non-Saturated Trench Depth, D_U (ft):	7.55
Saturated Trench Depth, D_S (ft):	4.45
H_2W:	45.30
$2H_2D_U$:	114.01
D_U^2:	57.00
$2H_2D_S$:	67.20
$(1.39x10^{-4})WD_U$:	0.006297
d_2:	2.00
d_3:	0.00
K_{10}:	2.29E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	110.64
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	N/A*
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	Yes
Treatment Volume Provided, *V* (Ac-ft):	**9.22**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 4

French Drain (ICPR Link Name): **PR4S53_4GW11/ EX4S52_4GW11**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **140.25**

Trench Height, H_T (ft): **12.00**

Trench Width, *W* (ft): **6.00**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **9.00**

Bottom of Trench EL. (ft-NAVD): **-3.00**

Weir EL. (ft-NAVD): **9.00**

Upstream Structure Rim/Grate EL. (ft-NAVD): **11.00**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage (ft-NAVD): ***7.45***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**9.00**	7.55	2.45	7.55	0.15000	**21.0375**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.45**	7.55	2.45	6.00	0.14426	**20.2331**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**9.00**	6.02	3.45	6.02	0.15000	**21.0375**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.45**	6.02	3.45	4.47	0.11089	**15.5516**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**9.00**	**21.0375**
1.45	**7.45**	**20.2331**
2.98	**2.98**	**0.0000**
2.98	**9.00**	**21.0375**
2.98	**7.45**	**15.5516**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

PRE-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 5 **SHGWT EL. (ft-NAVD): 1.45**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
5B01	**10**	**0.21**	**0.21**	0.04	0.00	0.17	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**60.16**
5B02	**10**	**0.28**	**0.28**	0.28	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**98.00**
5B05	**10**	**0.38**	**0.38**	0.07	0.00	0.31	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**59.98**
5B06	**10**	**0.48**	**0.48**	0.48	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**98.00**
5B09	**10**	**0.39**	**0.39**	0.08	0.00	0.31	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**60.60**
5B10	**10**	**0.48**	**0.48**	0.48	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**98.00**
5B15	**10**	**0.32**	**0.32**	0.08	0.00	0.24	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**61.98**
5B16	**10**	**0.73**	**0.73**	0.73	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**98.00**
5B21	**10**	**0.78**	**0.78**	0.29	0.00	0.49	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**66.06**
5B22	**10**	**0.46**	**0.46**	0.46	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**98.00**
5B24	**10**	**0.50**	**0.50**	0.50	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**98.00**
5B27	**10**	**0.50**	**0.50**	0.50	0.00	0.00	**0.00**	0.00	0.00	0.00	13.00	11.55	8.18	**98.00**
5B31	**10**	**0.35**	**0.35**	0.35	0.00	0.00	**0.00**	0.00	0.00	0.00	14.00	12.55	8.18	**98.00**
5B33	**10**	**0.18**	**0.18**	0.18	0.00	0.00	**0.00**	0.00	0.00	0.00	14.00	12.55	8.18	**98.00**
EX5S01		**6.04**	**6.04**	4.52	0.00	1.52	**0.00**	0.00	0.00	0.00	-	-	-	**-**
5B03	**10**	**0.28**	**0.28**	0.28	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**98.00**
5B04_1	**10**	**0.22**	**0.22**	0.05	0.00	0.17	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**61.27**
5B04_2	**10**	**0.56**	**0.56**	0.18	0.00	0.38	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**64.31**
5B07	**10**	**0.48**	**0.48**	0.48	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**98.00**
5B08	**10**	**0.45**	**0.45**	0.08	0.00	0.37	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**59.79**
5B11	**10**	**0.36**	**0.36**	0.36	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**98.00**
5B12	**10**	**0.26**	**0.26**	0.03	0.00	0.23	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**58.02**
5B13	**10**	**0.44**	**0.44**	0.44	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**98.00**
5B14	**10**	**0.02**	**0.02**	0.00	0.00	0.02	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**55.01**
5B17	**10**	**0.33**	**0.33**	0.33	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**98.00**
5B18	**10**	**0.22**	**0.22**	0.05	0.00	0.17	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**61.27**
5B19	**10**	**0.24**	**0.24**	0.24	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**98.00**
5B20A	**10**	**0.05**	**0.05**	0.01	0.00	0.04	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**60.44**
5B20B	**10**	**0.08**	**0.08**	0.02	0.00	0.06	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**61.98**
5B20C	**10**	**0.07**	**0.07**	0.02	0.00	0.05	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**63.12**
5B20D	**10**	**0.06**	**0.06**	0.02	0.00	0.04	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**64.71**
5B20E	**10**	**0.05**	**0.05**	0.01	0.00	0.04	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**60.44**
5B20F	**10**	**0.05**	**0.05**	0.01	0.00	0.04	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**60.44**
5B22A	**10**	**0.24**	**0.24**	0.24	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**98.00**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
5B23	**10**	**0.21**	**0.21**	0.21	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**98.00**
5B24A	**10**	**0.22**	**0.22**	0.22	0.00	0.00	**0.00**	0.00	0.00	0.00	13.00	11.55	8.18	**98.00**
5B25	**10**	**0.22**	**0.22**	0.22	0.00	0.00	**0.00**	0.00	0.00	0.00	13.00	11.55	8.18	**98.00**
5B26	**10**	**0.17**	**0.17**	0.17	0.00	0.00	**0.00**	0.00	0.00	0.00	13.00	11.55	8.18	**98.00**
5B28	**10**	**0.04**	**0.04**	0.04	0.00	0.00	**0.00**	0.00	0.00	0.00	14.00	12.55	8.18	**98.00**
5B29	**10**	**0.34**	**0.34**	0.34	0.00	0.00	**0.00**	0.00	0.00	0.00	13.00	11.55	8.18	**98.00**
5B30	**10**	**0.32**	**0.32**	0.32	0.00	0.00	**0.00**	0.00	0.00	0.00	14.00	12.55	8.18	**98.00**
5B32	**10**	**0.64**	**0.64**	0.64	0.00	0.00	**0.00**	0.00	0.00	0.00	15.00	13.55	8.18	**98.00**
5B04-OFFSITE	**10**	**0.95**	**0.00**	0.00	0.00	0.00	**0.95**	0.00	0.00	0.95	9.00	7.55	8.18	**55.01**
EX5S04		**7.57**	**6.62**	5.01	0.00	1.61	**0.95**	0.00	0.00	0.95	-	-	-	**-**
SYSTEM TOTALS		**13.61**	**12.66**	**9.53**	**0.00**	**3.13**	**0.95**	**0.00**	**0.00**	**0.95**	**--**	**--**	**--**	**--**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 5 **SHGWT EL. (ft-NAVD): 1.45**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
5B01	**10**	**0.23**	**0.23**	0.09	0.00	0.14	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**66.76**
5B02	**10**	**0.41**	**0.41**	0.41	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**98.00**
5B05	**10**	**0.41**	**0.41**	0.12	0.00	0.29	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**63.35**
5B06	**10**	**0.70**	**0.70**	0.70	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**98.00**
5B09	**10**	**0.41**	**0.41**	0.17	0.00	0.24	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**67.62**
5B10	**10**	**0.70**	**0.70**	0.70	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**98.00**
5B15	**10**	**0.34**	**0.34**	0.15	0.00	0.19	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**68.63**
5B16	**10**	**1.05**	**1.05**	1.05	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**98.00**
5B21_1	**10**	**0.42**	**0.42**	0.30	0.00	0.12	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**81.06**
5B21_2	**10**	**0.30**	**0.30**	0.22	0.00	0.08	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**82.09**
5B21_3	**10**	**0.36**	**0.36**	0.26	0.00	0.10	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**81.48**
5B22	**10**	**0.58**	**0.58**	0.58	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**98.00**
5B24	**10**	**0.58**	**0.58**	0.58	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**98.00**
5B27	**10**	**0.55**	**0.55**	0.55	0.00	0.00	**0.00**	0.00	0.00	0.00	13.00	11.55	8.18	**98.00**
5B31	**10**	**0.36**	**0.36**	0.36	0.00	0.00	**0.00**	0.00	0.00	0.00	14.00	12.55	8.18	**98.00**
5B33	**10**	**0.18**	**0.18**	0.18	0.00	0.00	**0.00**	0.00	0.00	0.00	14.00	12.55	8.18	**98.00**
PR5S01		**7.58**	**7.58**	**6.42**	**0.00**	**1.16**	**0.00**	**0.00**	**0.00**	**0.00**	-	-	-	**-**
5B03	**10**	**0.40**	**0.40**	0.40	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**98.00**
5B04_1	**10**	**0.10**	**0.10**	0.05	0.00	0.05	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**70.97**
5B04_2	**10**	**0.56**	**0.56**	0.24	0.00	0.32	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**68.15**
5B07	**10**	**0.69**	**0.69**	0.69	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**98.00**
5B08	**10**	**0.19**	**0.19**	0.15	0.00	0.04	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**85.31**
5B11	**10**	**0.52**	**0.52**	0.52	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**98.00**
5B12	**10**	**0.09**	**0.09**	0.03	0.00	0.06	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**64.71**
5B13	**10**	**0.62**	**0.62**	0.62	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**98.00**
5B04-OFFSITE	**10**	**0.95**	**0.00**	0.00	0.00	0.00	**0.95**	0.35	0.00	0.60	9.00	7.55	8.18	**65.94**
PR5S04		**4.12**	**3.17**	**2.70**	**0.00**	**0.47**	**0.95**	**0.35**	**0.00**	**0.60**	-	-	-	**-**
5B17	**10**	**0.44**	**0.44**	0.44	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**98.00**
5B18	**10**	**0.04**	**0.04**	0.04	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**98.00**
5B19	**10**	**0.28**	**0.28**	0.28	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**98.00**
5B20A	**10**	**0.03**	**0.03**	0.01	0.00	0.02	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**64.71**
5B20B	**10**	**0.06**	**0.06**	0.02	0.00	0.04	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**64.71**
5B20C	**10**	**0.06**	**0.06**	0.02	0.00	0.04	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**64.71**
5B20D	**10**	**0.05**	**0.05**	0.02	0.00	0.03	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**67.08**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
5B20E	**10**	**0.05**	**0.05**	0.01	0.00	0.04	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**60.44**
5B20F	**10**	**0.04**	**0.04**	0.01	0.00	0.03	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**61.98**
5B22A	**10**	**0.26**	**0.26**	0.26	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**98.00**
5B23	**10**	**0.22**	**0.22**	0.21	0.00	0.01	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**96.42**
5B24A	**10**	**0.23**	**0.23**	0.23	0.00	0.00	**0.00**	0.00	0.00	0.00	13.00	11.55	8.18	**98.00**
5B25	**10**	**0.24**	**0.24**	0.22	0.00	0.02	**0.00**	0.00	0.00	0.00	13.00	11.55	8.18	**93.62**
5B26	**10**	**0.18**	**0.18**	0.18	0.00	0.00	**0.00**	0.00	0.00	0.00	13.00	11.55	8.18	**98.00**
5B29	**10**	**0.33**	**0.33**	0.33	0.00	0.00	**0.00**	0.00	0.00	0.00	13.00	11.55	8.18	**98.00**
5B30	**10**	**0.43**	**0.43**	0.43	0.00	0.00	**0.00**	0.00	0.00	0.00	14.00	12.55	8.18	**98.00**
5B32	**10**	**0.74**	**0.74**	0.74	0.00	0.00	**0.00**	0.00	0.00	0.00	15.00	13.55	8.18	**98.00**
POND 501	**10**	**0.57**	**0.57**	0.00	0.00	0.57	**0.00**	0.00	0.00	0.00	6.00	4.55	8.18	**55.01**
PR5S14A		**4.25**	**4.25**	**3.45**	**0.00**	**0.80**	**0.00**	**0.00**	**0.00**	**0.00**	-	-	-	**-**
SYSTEM TOTALS		**15.95**	**15.00**	**12.57**	**0.00**	**2.43**	**0.95**	**0.35**	**0.00**	**0.60**	**--**	**--**	**--**	**--**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

WATER QUALITY

DRAINAGE SYSTEM: ***5***

SYSTEM	SHGWT EL. (ft-NAVD)	TOTAL ONSITE AREA (Ac.) *[POST-DEV.]*	ONSITE IMPERVIOUS AREA (Ac.) *[POST-DEV.]*	ONSITE PERVIOUS AREA (Ac.) *[POST-DEV.]*	SFWMD 1" OVER TOTAL ONSITE AREA (Ac-ft)	SFWMD 2.5" OVER IMPERVIOUS AREA (Ac-ft)	[1]SFWMD WATER QUALITY TREATMENT REQUIRED (Ac-ft)	[2]DRER WATER QUALITY TREATMENT REQUIRED (Ac-ft)	DRY-DETENTION TREATMENT VOLUME PROVIDED (Ac-ft)	FRENCH DRAIN TREATMENT VOLUME PROVIDED (Ac-ft)	[3]TOTAL TREATMENT VOLUME PROVIDED (Ac-ft)	SURPLUS TREATMENT VOLUME PROVIDED (Ac-ft)
PR5S01	1.45	7.58	6.42	1.16	0.63	1.34	**1.34**	1.01	0.00	15.41	**15.41**	**14.07**
PR5S04	1.45	3.17	2.70	0.47	0.26	0.56	**0.56**	0.42	0.00	7.30	**7.30**	**6.73**
PR5S14A	1.45	4.25	3.45	0.80	0.35	0.72	**0.72**	0.56	1.80	2.30	**4.10**	**3.38**
SYSTEM TOTAL	1.45	15.00	12.57	2.43	1.25	2.62	**2.62**	2.00	1.80	25.00	**26.80**	**24.18**

[1]2.5" over Additional Impervious Area.

[2]See next page for water quality calculations by Miami-Dade Department of Regulatory and Economic Resources (DRER).

[3]Multiplied by 2 to account for 50% retention volume credit.

POND 501		
TYPE:	Dry Detention	
STAGE (ft-NAVD)	**AREA (Ac.)**	**VOLUME (Ac-ft)**
5.00	0.27	--
6.00	0.29	0.28
7.00	0.31	0.58
8.00	***0.33***	***0.90***
9.00	0.36	1.25
10.00	0.38	1.62

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

WATER QUALITY CALCULATIONS BY DRER

Drainage System: #REF!

AREA (PR5S01):

Onsite Impervious	**6.42**	Ac.	85%
Onsite Pervious	**1.16**	Ac.	15%
Total Area	**7.58**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.81 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV}) / A_T = \mathbf{0.81}$$

$t_{1"}$ = 11.37 min.

TOTAL TIME OF CONCENTRATION (T_T)

$T_T = t_{1"} + Tc =$ 21.37 min.

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.62 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ Q_{1"}\ T_T =$ **44144.23** ft^3 = **1.01** **ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

WATER QUALITY CALCULATIONS BY DRER

Drainage System: #REF!

AREA (PR5S04):

Onsite Impervious	**2.70**	Ac.	85%
Onsite Pervious	**0.47**	Ac.	15%
Total Area	**3.17**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.81 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV}) / A_T = \mathbf{0.81}$$

$t_{1"}$ = 11.32 min.

TOTAL TIME OF CONCENTRATION (T_T)

$T_T = t_{1"} + Tc =$ 21.32 min.

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.62 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ Q_{1"}\ T_T =$ **18497.06** **ft³** = **0.42** **ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

WATER QUALITY CALCULATIONS BY DRER

Drainage System: #REF!

AREA (PR5S14A):

Onsite Impervious	**3.45**	Ac.	81%
Onsite Pervious	**0.80**	Ac.	19%
Total Area	**4.25**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.79 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV}) / A_T = \mathbf{0.79}$$

$t_{1"}$ = 11.75 min.

TOTAL TIME OF CONCENTRATION (T_T)

$T_T = t_{1"} + Tc =$ 21.75 min.

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.59 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ Q_{1"}\ T_T =$ **24398.29** **ft³** = **0.56** **ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

AVERAGE HYDRAULIC CONDUCTIVITY AND TEST HOLE DEPTH CALCULATIONS

SR-826/PALMETTO EXPRESSWAY - SYSTEM 5				
Test Depth	[1]Percolation Test Number and Ground Elevation (ft-NAVD)		Average	Estimated K value
	PT-1	-		
	7.45	-	7.45	
	(cfs/ft^2-ft Head)	(cfs/ft^2-ft Head)	(cfs/ft^2-ft Head)	(cfs/ft^2-ft Head)
10 ft	-	-	-	2.29E-03
15 ft	2.29E-03	-	2.29E-03	
20 ft	-	-	-	

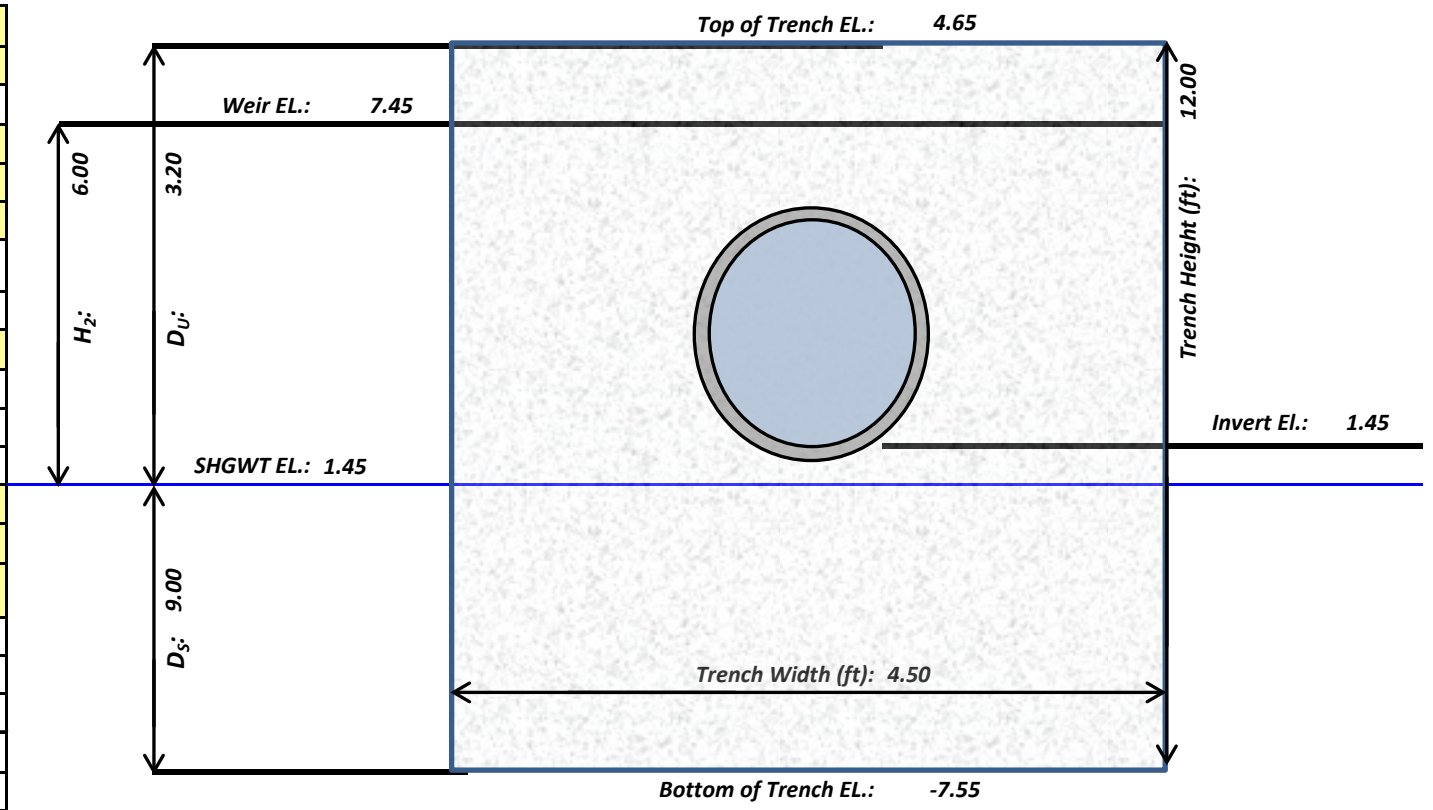
[1]Exfiltration test information derived from SFWMD ERP Permit No. 13-02686-P, Palmetto Expressway Section 2 - Drainage Report.

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 5

French Drain (ICPR Link Name):	EX5S01_5GW1/EX5S05_5GW1
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	24
Effective Length of French Drain, *L* (LF):	279.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, *L* (LF):	139.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	4.65
Bottom of Trench EL. (ft-NAVD):	-7.55
Trench Height, H_T (ft):	12.00
Weir EL. (ft-NAVD):	7.45
Trench Width, *W* (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	6.00
Non-Saturated Trench Depth, D_U (ft):	3.20
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	27.00
$2H_2D_U$:	38.40
D_U^2:	10.24
$2H_2D_S$:	108.00
$(1.39x10^{-4})WD_U$:	0.002002
d_2:	5.00
d_3:	1.55
K_{10}:	2.29E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	43.78
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**3.65**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 5

French Drain (ICPR Link Name): **EX5S01_5GW1/EX5S05_5GW1**

Existing/Proposed: **Existing**

Pipe Size (in): **24**

1 /2 Length of French Drain, *L* (LF) * : **69.75**

Trench Height, H_T (ft): **12.00**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **4.65**

Bottom of Trench EL. (ft-NAVD): **-7.55**

Weir EL. (ft-NAVD): **7.45**

Upstream Structure Rim/Grate EL. (ft-NAVD): **3.61**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage (ft-NAVD): ***7.45***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.65**	3.20	2.45	3.20	0.05936	**4.1401**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.45**	3.20	2.45	6.00	0.13181	**9.1939**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.65**	1.67	3.45	1.67	0.03277	**2.2860**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.45**	1.67	3.45	4.47	0.09843	**6.8657**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

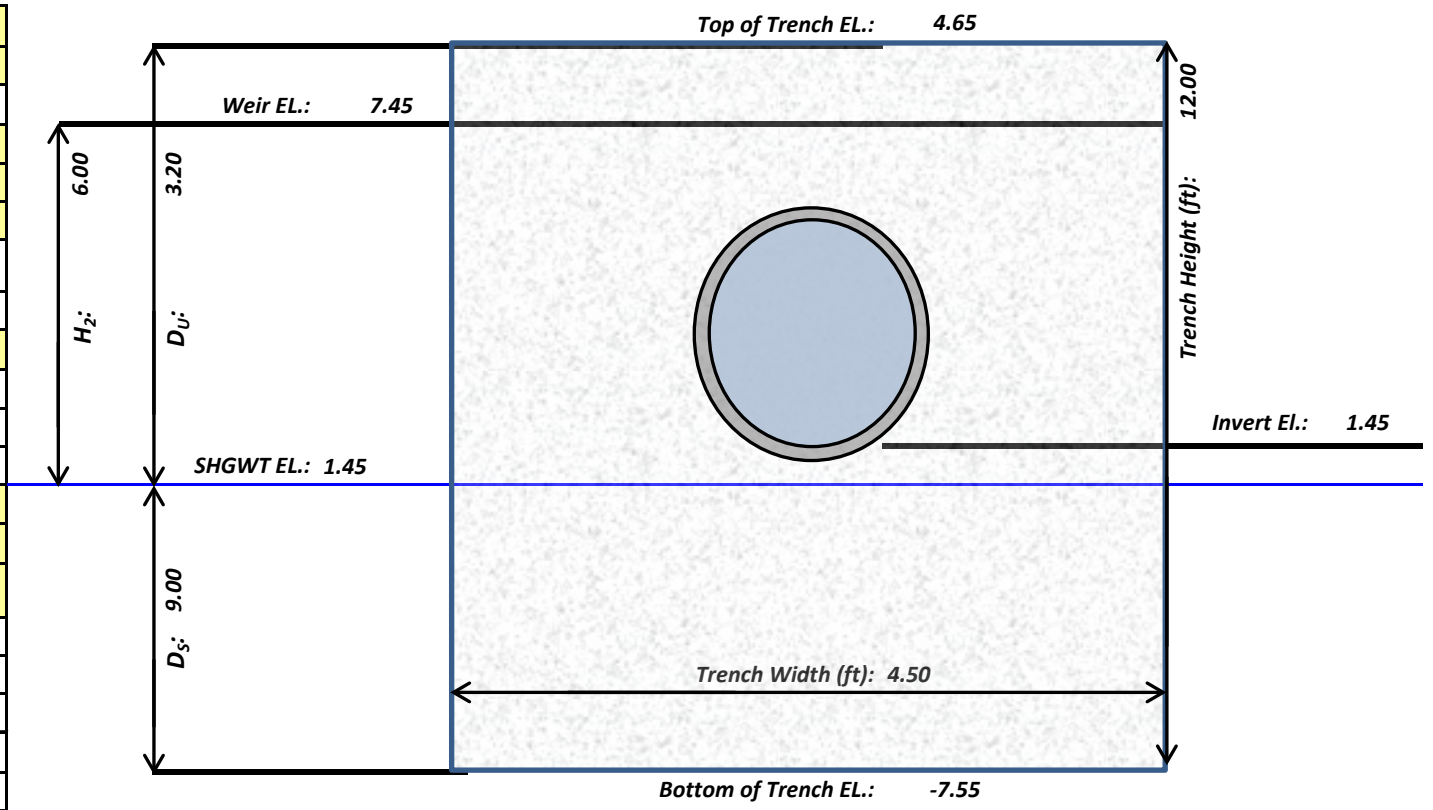
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.65**	**4.1401**
1.45	**7.45**	**9.1939**
2.98	**2.98**	**0.0000**
2.98	**4.65**	**2.2860**
2.98	**7.45**	**6.8657**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 5

French Drain (ICPR Link Name):	EX5S05_5GW2/EX5S09_5GW2
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	24
Effective Length of French Drain, *L* (LF):	279.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, *L* (LF):	139.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	4.65
Bottom of Trench EL. (ft-NAVD):	-7.55
Trench Height, H_T (ft):	12.00
Weir EL. (ft-NAVD):	7.45
Trench Width, *W* (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	6.00
Non-Saturated Trench Depth, D_U (ft):	3.20
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	27.00
$2H_2D_U$:	38.40
D_U^2:	10.24
$2H_2D_S$:	108.00
$(1.39x10^{-4})WD_U$:	0.002002
d_2:	5.00
d_3:	1.55
K_{10}:	2.29E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	43.78
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**3.65**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 5

French Drain (ICPR Link Name): **EX5S05_5GW2/EX5S09_5GW2**

Existing/Proposed: **Existing**

Pipe Size (in): **24**

1 /2 Length of French Drain, *L* (LF) * : **69.75**

Trench Height, H_T (ft): **12.00**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **4.65**

Bottom of Trench EL. (ft-NAVD): **-7.55**

Weir EL. (ft-NAVD): **7.45**

Upstream Structure Rim/Grate EL. (ft-NAVD): **3.61**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage (ft-NAVD): ***7.45***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.65**	3.20	2.45	3.20	0.05936	**4.1401**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.45**	3.20	2.45	6.00	0.13181	**9.1939**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.65**	1.67	3.45	1.67	0.03277	**2.2860**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.45**	1.67	3.45	4.47	0.09843	**6.8657**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

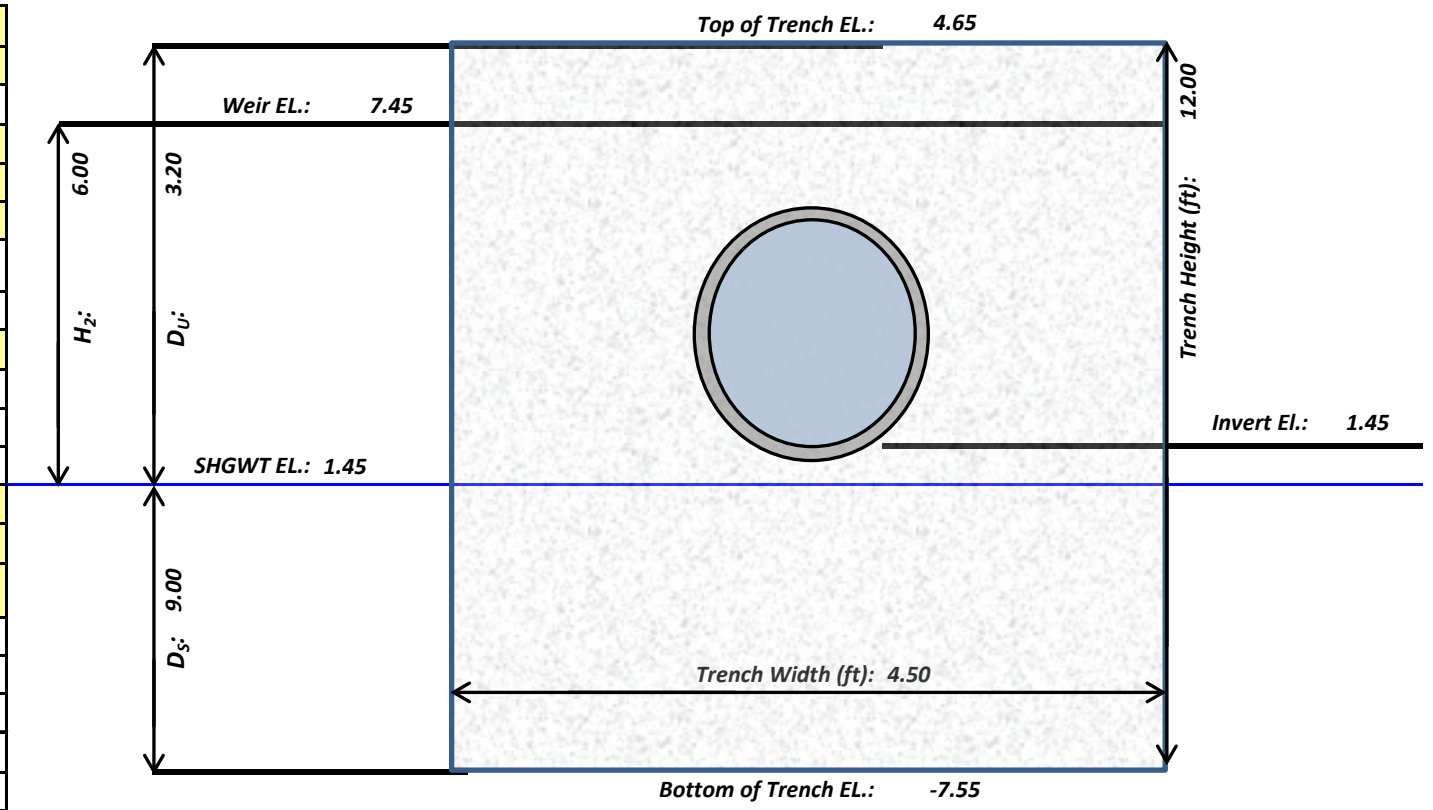
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.65**	**4.1401**
1.45	**7.45**	**9.1939**
2.98	**2.98**	**0.0000**
2.98	**4.65**	**2.2860**
2.98	**7.45**	**6.8657**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 5

French Drain (ICPR Link Name):	EX5S09_5GW3/EX5S15_5GW3
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	24
Effective Length of French Drain, *L* (LF):	223.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, *L* (LF):	111.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	4.65
Bottom of Trench EL. (ft-NAVD):	-7.55
Trench Height, H_T (ft):	12.00
Weir EL. (ft-NAVD):	7.45
Trench Width, *W* (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	6.00
Non-Saturated Trench Depth, D_U (ft):	3.20
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	27.00
$2H_2D_U$:	38.40
D_U^2:	10.24
$2H_2D_S$:	108.00
$(1.39x10^{-4})WD_U$:	0.002002
d_2:	5.00
d_3:	1.55
K_{10}:	2.29E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	34.99
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**2.92**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 5

French Drain (ICPR Link Name): **EX5S09_5GW3/EX5S15_5GW3**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **55.75**
Trench Height, H_T (ft): **12.00**
Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**
Pipe Invert EL. (ft-NAVD): **1.45**
Top of Trench EL. (ft-NAVD): **4.65**
Bottom of Trench EL. (ft-NAVD): **-7.55**
Weir EL. (ft-NAVD): **7.45**
Upstream Structure Rim/Grate EL. (ft-NAVD): **3.61**

SHGWT EL. (ft-NAVD): **1.45**
Max Stage (ft-NAVD): ***7.45***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.
AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual
Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.65**	3.20	2.45	3.20	0.05936	**3.3091**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.45**	3.20	2.45	6.00	0.13181	**7.3485**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.65**	1.67	3.45	1.67	0.03277	**1.8272**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.45**	1.67	3.45	4.47	0.09843	**5.4876**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

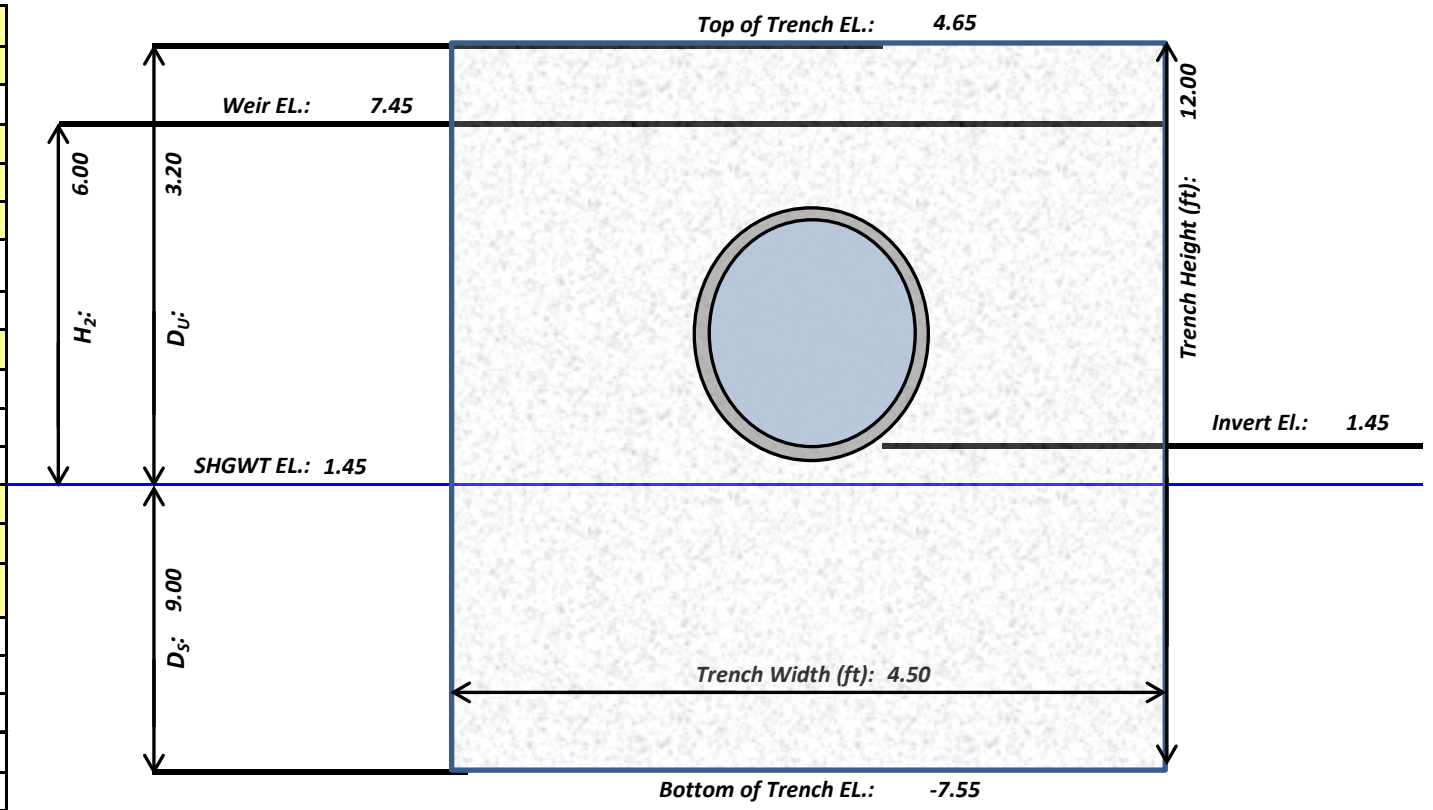
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.65**	**3.3091**
1.45	**7.45**	**7.3485**
2.98	**2.98**	**0.0000**
2.98	**4.65**	**1.8272**
2.98	**7.45**	**5.4876**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 5

French Drain (ICPR Link Name):	EX5S15_5GW4/EX5S21_5GW4
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	24
Effective Length of French Drain, *L* (LF):	279.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, *L* (LF):	139.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	4.65
Bottom of Trench EL. (ft-NAVD):	-7.55
Trench Height, H_T (ft):	12.00
Weir EL. (ft-NAVD):	7.45
Trench Width, *W* (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	6.00
Non-Saturated Trench Depth, D_U (ft):	3.20
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	27.00
$2H_2D_U$:	38.40
D_U^2:	10.24
$2H_2D_S$:	108.00
$(1.39x10^{-4})WD_U$:	0.002002
d_2:	5.00
d_3:	1.55
K_{10}:	2.29E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	43.78
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**3.65**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 5

French Drain (ICPR Link Name): **EX5S15_5GW4/EX5S21_5GW4**

Existing/Proposed: **Existing**

Pipe Size (in): **24**

1 /2 Length of French Drain, *L* (LF) * : **69.75**

Trench Height, H_T (ft): **12.00**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **4.65**

Bottom of Trench EL. (ft-NAVD): **-7.55**

Weir EL. (ft-NAVD): **7.45**

Upstream Structure Rim/Grate EL. (ft-NAVD): **3.61**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage (ft-NAVD): ***7.45***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.65**	3.20	2.45	3.20	0.05936	**4.1401**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.45**	3.20	2.45	6.00	0.13181	**9.1939**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.65**	1.67	3.45	1.67	0.03277	**2.2860**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.45**	1.67	3.45	4.47	0.09843	**6.8657**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

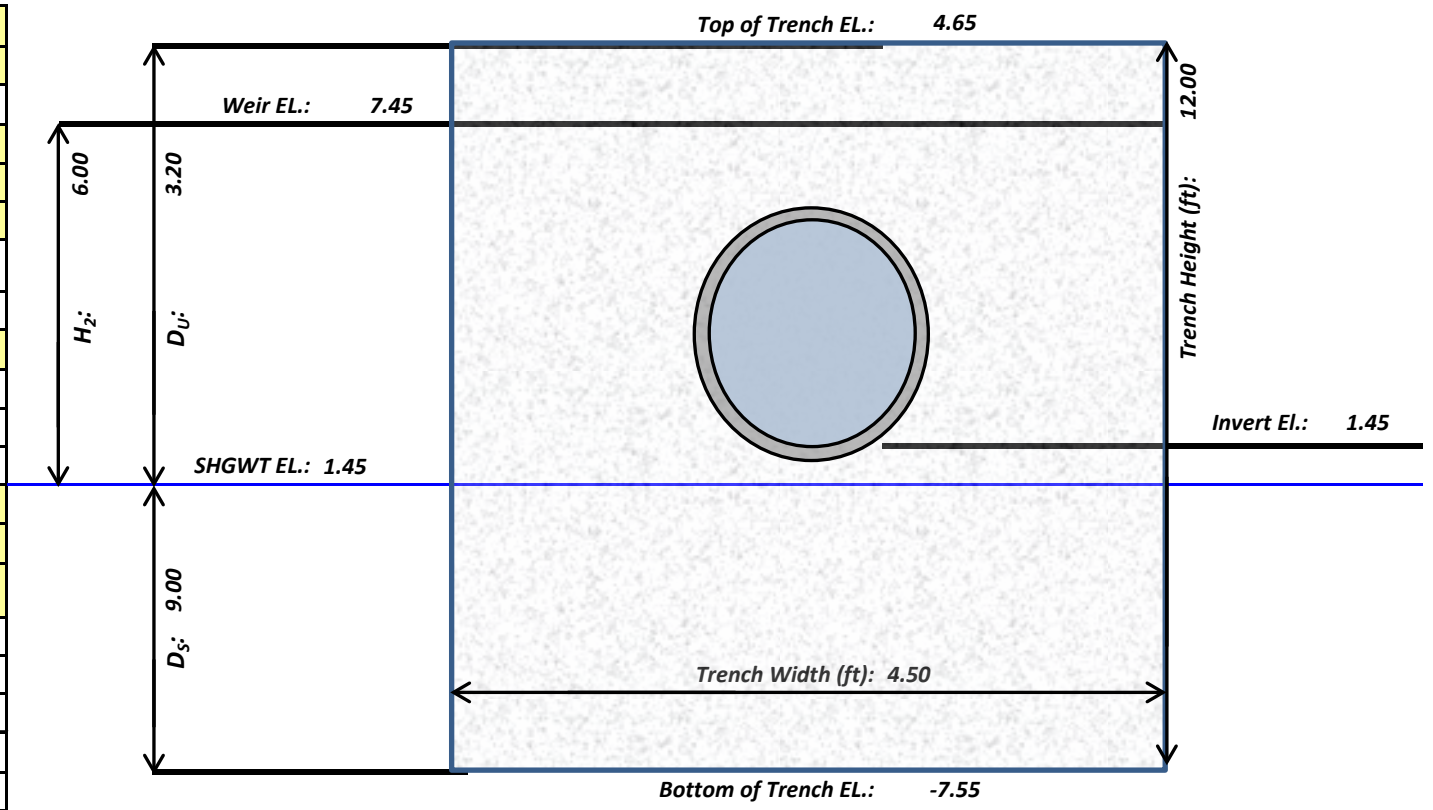
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.65**	**4.1401**
1.45	**7.45**	**9.1939**
2.98	**2.98**	**0.0000**
2.98	**4.65**	**2.2860**
2.98	**7.45**	**6.8657**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 5

French Drain (ICPR Link Name):	EX5S04_5GW5/EX5S08_5GW5
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	24
Effective Length of French Drain, *L* (LF):	279.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, *L* (LF):	139.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	4.65
Bottom of Trench EL. (ft-NAVD):	-7.55
Trench Height, H_T (ft):	12.00
Weir EL. (ft-NAVD):	7.45
Trench Width, *W* (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	6.00
Non-Saturated Trench Depth, D_U (ft):	3.20
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	27.00
$2H_2D_U$:	38.40
D_U^2:	10.24
$2H_2D_S$:	108.00
$(1.39x10^{-4})WD_U$:	0.002002
d_2:	5.00
d_3:	1.55
K_{10}:	2.29E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	43.78
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**3.65**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 5

French Drain (ICPR Link Name): **EX5S04_5GW5/EX5S08_5GW5**

Existing/Proposed: **Existing**

Pipe Size (in): **24**

1 /2 Length of French Drain, *L* (LF) * : **69.75**

Trench Height, H_T (ft): **12.00**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **4.65**

Bottom of Trench EL. (ft-NAVD): **-7.55**

Weir EL. (ft-NAVD): **7.45**

Upstream Structure Rim/Grate EL. (ft-NAVD): **3.61**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage (ft-NAVD): ***7.45***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.65**	3.20	2.45	3.20	0.05936	**4.1401**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.45**	3.20	2.45	6.00	0.13181	**9.1939**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.65**	1.67	3.45	1.67	0.03277	**2.2860**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.45**	1.67	3.45	4.47	0.09843	**6.8657**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

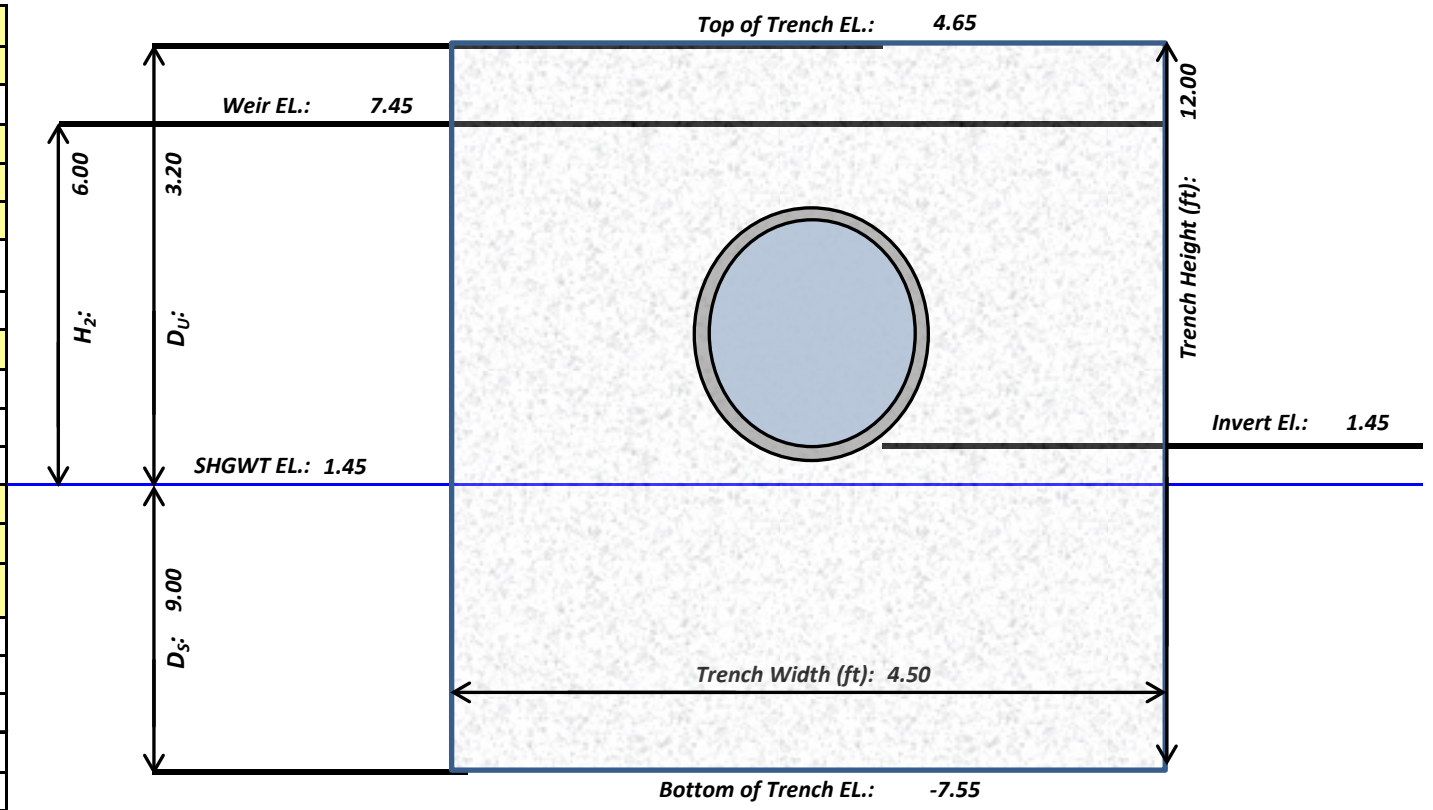
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.65**	**4.1401**
1.45	**7.45**	**9.1939**
2.98	**2.98**	**0.0000**
2.98	**4.65**	**2.2860**
2.98	**7.45**	**6.8657**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 5

French Drain (ICPR Link Name):	EX5S08_5GW6/EX5S12_5GW6
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	279.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	139.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	4.65
Bottom of Trench EL. (ft-NAVD):	-7.55
Trench Height, H_T (ft):	12.00
Weir EL. (ft-NAVD):	7.45
Trench Width, W (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	6.00
Non-Saturated Trench Depth, D_U (ft):	3.20
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	27.00
$2H_2D_U$:	38.40
D_U^2:	10.24
$2H_2D_S$:	108.00
$(1.39x10^{-4})WD_U$:	0.002002
d_2:	5.00
d_3:	1.55
K_{10}:	2.29E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	43.78
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**3.65**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 5

French Drain (ICPR Link Name): **EX5S08_5GW6/EX5S12_5GW6**

Existing/Proposed: **Existing**

Pipe Size (in): **24**

1 /2 Length of French Drain, *L* (LF) * : **69.75**

Trench Height, H_T (ft): **12.00**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **4.65**

Bottom of Trench EL. (ft-NAVD): **-7.55**

Weir EL. (ft-NAVD): **7.45**

Upstream Structure Rim/Grate EL. (ft-NAVD): **3.61**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage (ft-NAVD): ***7.45***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.65**	3.20	2.45	3.20	0.05936	**4.1401**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.45**	3.20	2.45	6.00	0.13181	**9.1939**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.65**	1.67	3.45	1.67	0.03277	**2.2860**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.45**	1.67	3.45	4.47	0.09843	**6.8657**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

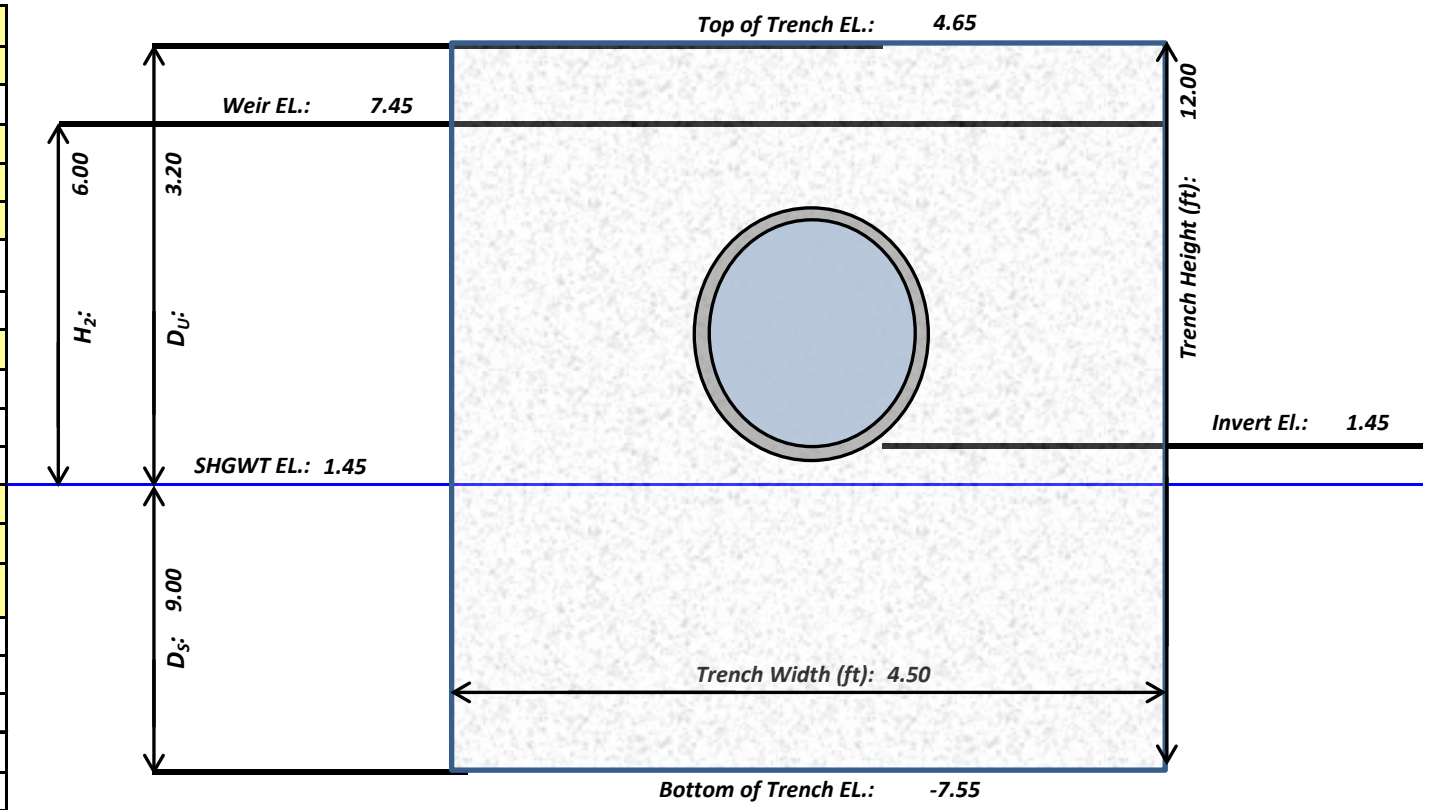
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.65**	**4.1401**
1.45	**7.45**	**9.1939**
2.98	**2.98**	**0.0000**
2.98	**4.65**	**2.2860**
2.98	**7.45**	**6.8657**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 5

French Drain (ICPR Link Name):	EX5S18_5GW7/CH5_1+A_5GW7
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	24
Effective Length of French Drain, *L* (LF):	179.5
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, *L* (LF):	89.75
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	4.65
Bottom of Trench EL. (ft-NAVD):	-7.55
Trench Height, H_T (ft):	12.00
Weir EL. (ft-NAVD):	7.45
Trench Width, *W* (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	6.00
Non-Saturated Trench Depth, D_U (ft):	3.20
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	27.00
$2H_2D_U$:	38.40
D_U^2:	10.24
$2H_2D_S$:	108.00
$(1.39x10^{-4})WD_U$:	0.002002
d_2:	5.00
d_3:	1.55
K_{10}:	2.29E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	28.16
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**2.35**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 5

French Drain (ICPR Link Name): **EX5S18_5GW7/CH5_1+A_5GW7**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **44.88**
Trench Height, H_T (ft): **12.00**
Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**
Pipe Invert EL. (ft-NAVD): **1.45**
Top of Trench EL. (ft-NAVD): **4.65**
Bottom of Trench EL. (ft-NAVD): **-7.55**
Weir EL. (ft-NAVD): **7.45**
Upstream Structure Rim/Grate EL. (ft-NAVD): **3.61**

SHGWT EL. (ft-NAVD): **1.45**
Max Stage (ft-NAVD): ***7.45***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.
AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual
Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.65**	3.20	2.45	3.20	0.05936	**2.6636**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.45**	3.20	2.45	6.00	0.13181	**5.9151**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.65**	1.67	3.45	1.67	0.03277	**1.4707**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.45**	1.67	3.45	4.47	0.09843	**4.4172**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

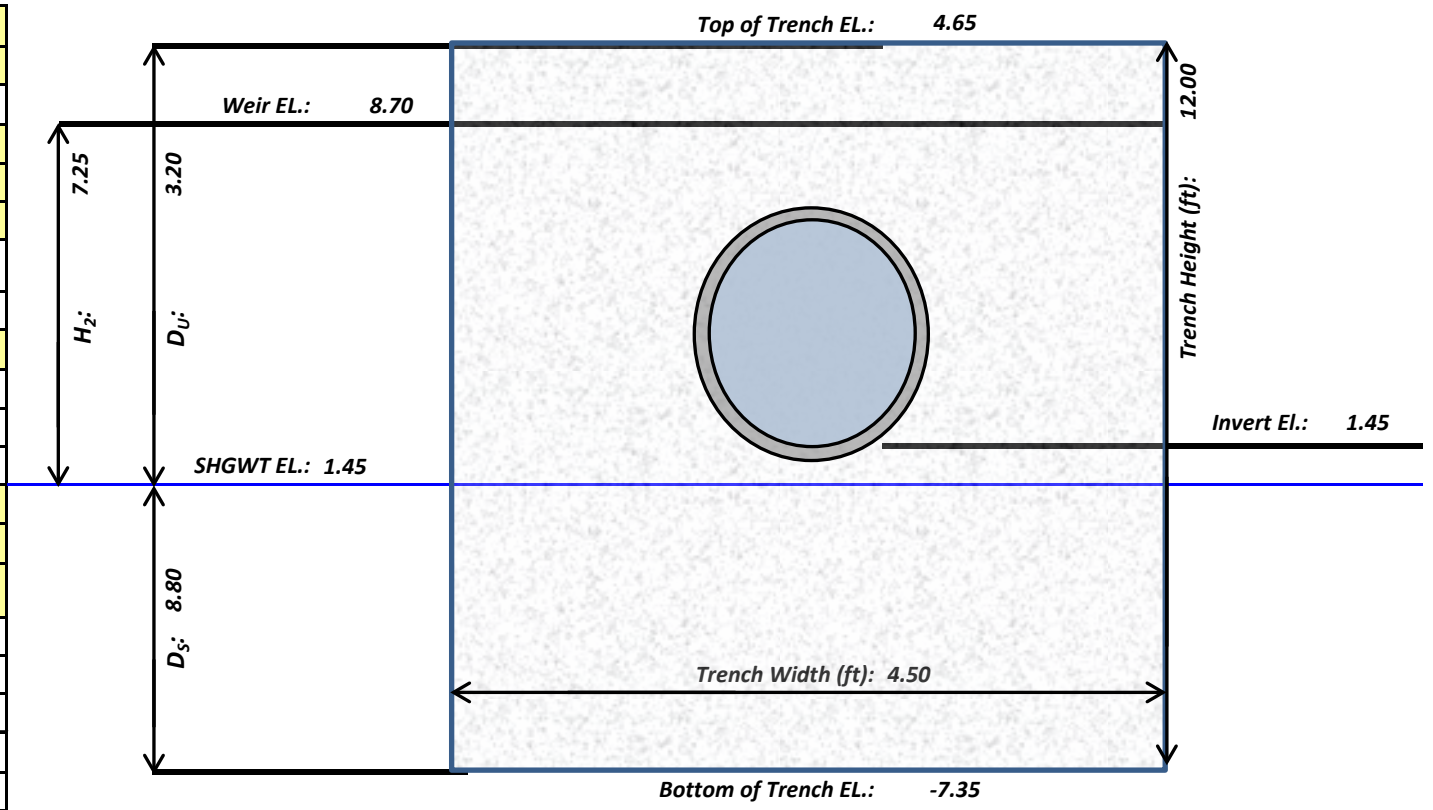
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.65**	**2.6636**
1.45	**7.45**	**5.9151**
2.98	**2.98**	**0.0000**
2.98	**4.65**	**1.4707**
2.98	**7.45**	**4.4172**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 5

French Drain (ICPR Link Name):	PR5S01+1_5GW1/PR5S05_5GW1
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	284.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	142.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	4.65
Bottom of Trench EL. (ft-NAVD):	-7.35
Trench Height, H_T (ft):	12.00
Weir EL. (ft-NAVD):	8.70
Trench Width, W (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	7.25
Non-Saturated Trench Depth, D_U (ft):	3.20
Saturated Trench Depth, D_S (ft):	8.80
H_2W:	32.63
$2H_2D_U$:	46.40
D_U^2:	10.24
$2H_2D_S$:	127.60
$(1.39x10^{-4})WD_U$:	0.002002
d_2:	5.00
d_3:	1.35
K_{10}:	2.29E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	53.54
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**4.46**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 5

French Drain (ICPR Link Name): **PR5S01+1_5GW1/PR5S05_5GW1**
Existing/Proposed: **Proposed**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **71.00**
Trench Height, H_T (ft): **12.00**
Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**
Pipe Invert EL. (ft-NAVD): **1.45**
Top of Trench EL. (ft-NAVD): **4.65**
Bottom of Trench EL. (ft-NAVD): **-7.35**
Weir EL. (ft-NAVD): **8.70**
Upstream Structure Rim/Grate EL. (ft-NAVD): **10.70**

SHGWT EL. (ft-NAVD): **1.45**
Max Stage (ft-NAVD): ***7.45***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.
AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual
Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.65**	3.20	2.45	3.20	0.05936	**4.2143**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.45**	3.20	2.45	6.00	0.13181	**9.3587**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.65**	1.67	3.45	1.67	0.03277	**2.3270**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.45**	1.67	3.45	4.47	0.09843	**6.9888**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

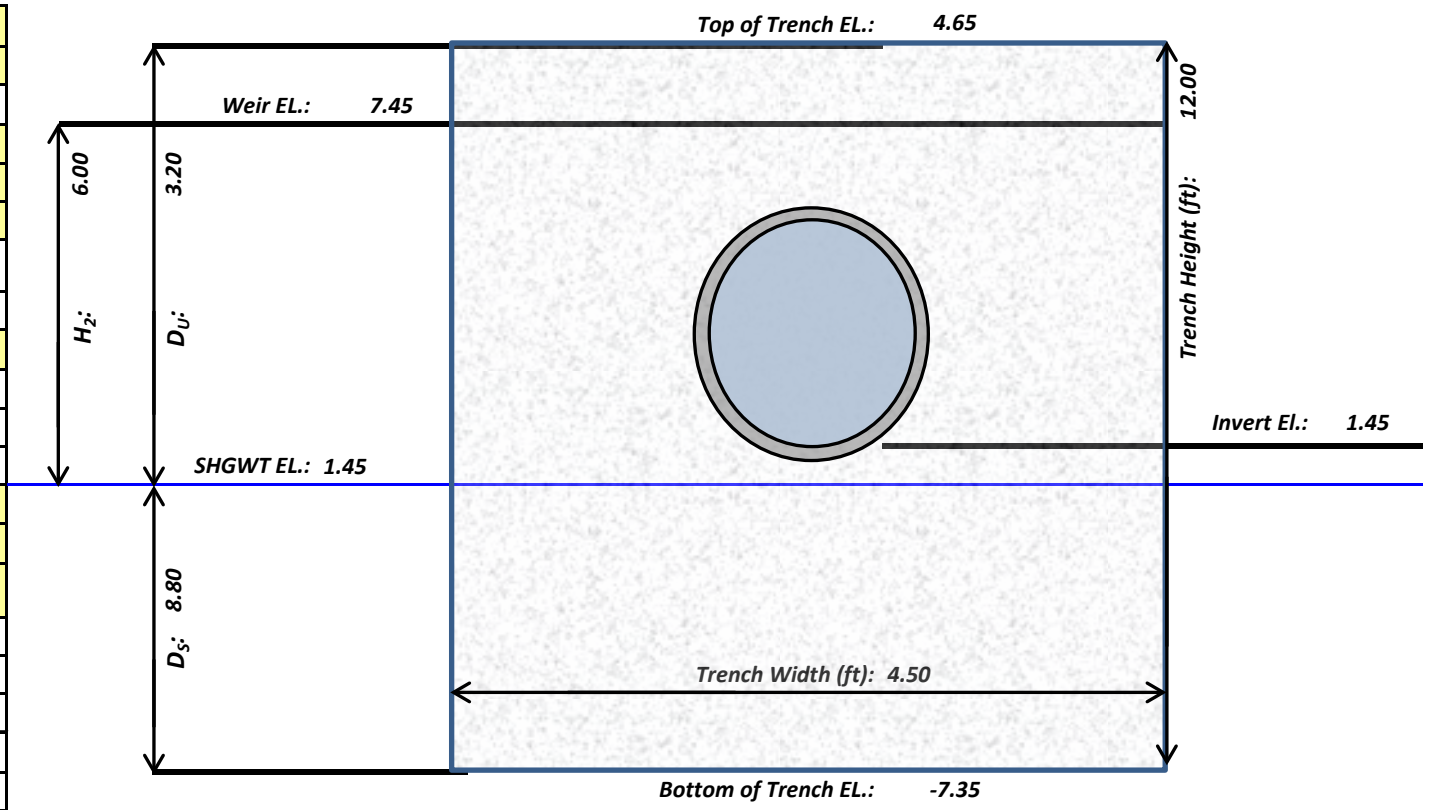
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.65**	**4.2143**
1.45	**7.45**	**9.3587**
2.98	**2.98**	**0.0000**
2.98	**4.65**	**2.3270**
2.98	**7.45**	**6.9888**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 5

French Drain (ICPR Link Name):	PR5S05_5GW2/PR5S09_5GW2
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	284.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	142.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	4.65
Bottom of Trench EL. (ft-NAVD):	-7.35
Trench Height, H_T (ft):	12.00
Weir EL. (ft-NAVD):	7.45
Trench Width, W (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	6.00
Non-Saturated Trench Depth, D_U (ft):	3.20
Saturated Trench Depth, D_S (ft):	8.80
H_2W:	27.00
$2H_2D_U$:	38.40
D_U^2:	10.24
$2H_2D_S$:	105.60
$(1.39x10^{-4})WD_U$:	0.002002
d_2:	5.00
d_3:	1.35
K_{10}:	2.29E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	43.78
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**3.65**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 5

French Drain (ICPR Link Name): **PR5S05_5GW2/PR5S09_5GW2**
Existing/Proposed: **Proposed**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **71.00**
Trench Height, H_T (ft): **12.00**
Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**
Pipe Invert EL. (ft-NAVD): **1.45**
Top of Trench EL. (ft-NAVD): **4.65**
Bottom of Trench EL. (ft-NAVD): **-7.35**
Weir EL. (ft-NAVD): **7.45**
Upstream Structure Rim/Grate EL. (ft-NAVD): **8.08**

SHGWT EL. (ft-NAVD): **1.45**
Max Stage (ft-NAVD): ***7.45***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.
AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual
Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.65**	3.20	2.45	3.20	0.05936	**4.2143**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.45**	3.20	2.45	6.00	0.13181	**9.3587**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.65**	1.67	3.45	1.67	0.03277	**2.3270**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.45**	1.67	3.45	4.47	0.09843	**6.9888**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

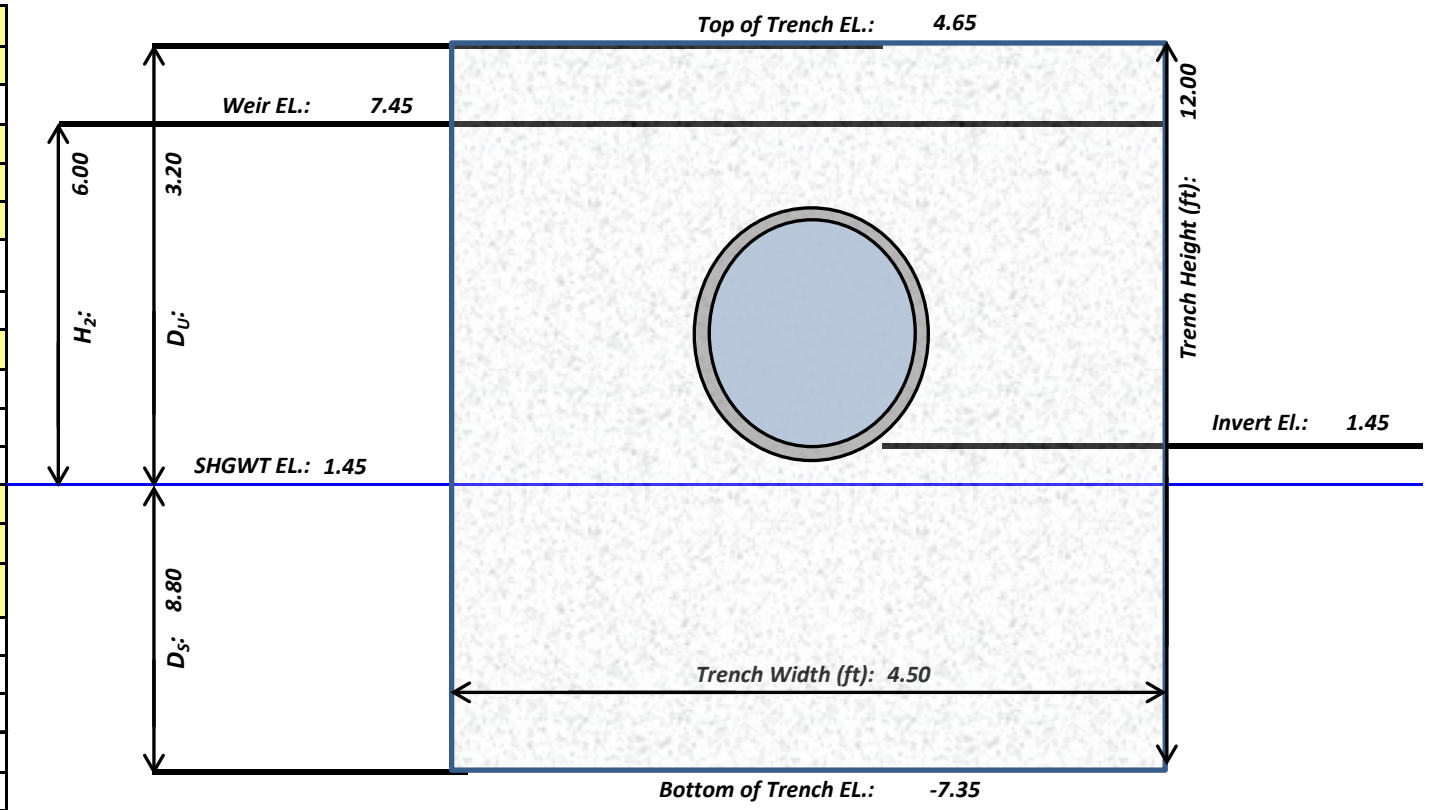
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.65**	**4.2143**
1.45	**7.45**	**9.3587**
2.98	**2.98**	**0.0000**
2.98	**4.65**	**2.3270**
2.98	**7.45**	**6.9888**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 5

French Drain (ICPR Link Name):	PR5S09_5GW3/PR5S15_5GW3
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	284.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	142.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	4.65
Bottom of Trench EL. (ft-NAVD):	-7.35
Trench Height, H_T (ft):	12.00
Weir EL. (ft-NAVD):	7.45
Trench Width, W (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	6.00
Non-Saturated Trench Depth, D_U (ft):	3.20
Saturated Trench Depth, D_S (ft):	8.80
H_2W:	27.00
$2H_2D_U$:	38.40
D_U^2:	10.24
$2H_2D_S$:	105.60
$(1.39x10^{-4})WD_U$:	0.002002
d_2:	5.00
d_3:	1.35
K_{10}:	2.29E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	43.78
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**3.65**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 5

French Drain (ICPR Link Name): **PR5S09_5GW3/PR5S15_5GW3**
Existing/Proposed: **Proposed**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **71.00**
Trench Height, H_T (ft): **12.00**
Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**
Pipe Invert EL. (ft-NAVD): **1.45**
Top of Trench EL. (ft-NAVD): **4.65**
Bottom of Trench EL. (ft-NAVD): **-7.35**
Weir EL. (ft-NAVD): **7.45**
Upstream Structure Rim/Grate EL. (ft-NAVD): **10.08**

SHGWT EL. (ft-NAVD): **1.45**
Max Stage (ft-NAVD): ***7.45***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.
AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual
Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.65**	3.20	2.45	3.20	0.05936	**4.2143**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.45**	3.20	2.45	6.00	0.13181	**9.3587**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.65**	1.67	3.45	1.67	0.03277	**2.3270**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.45**	1.67	3.45	4.47	0.09843	**6.9888**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

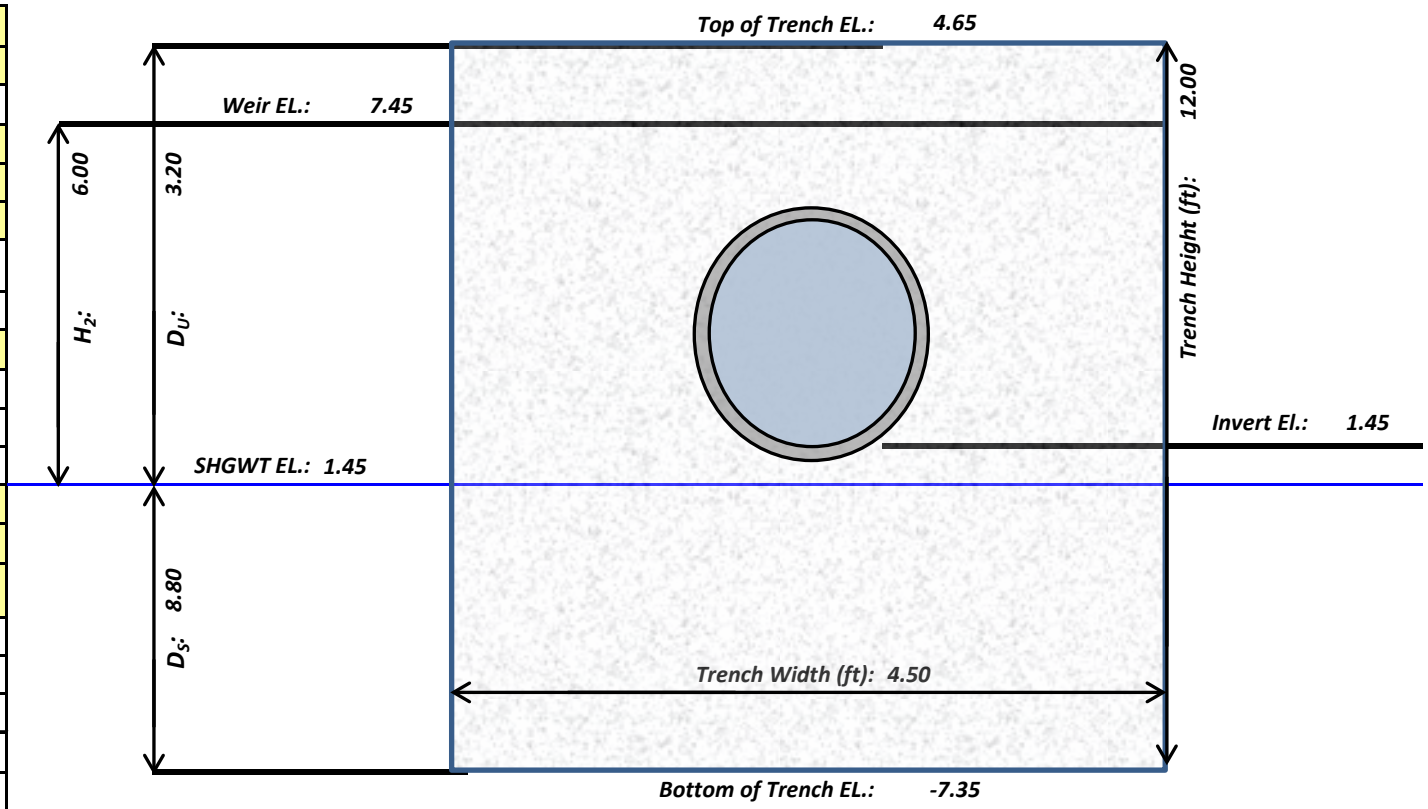
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.65**	**4.2143**
1.45	**7.45**	**9.3587**
2.98	**2.98**	**0.0000**
2.98	**4.65**	**2.3270**
2.98	**7.45**	**6.9888**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 5

French Drain (ICPR Link Name):	PR5S15_5GW4/PR5S21A_5GW4
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	284.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	142.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	4.65
Bottom of Trench EL. (ft-NAVD):	-7.35
Trench Height, H_T (ft):	12.00
Weir EL. (ft-NAVD):	7.45
Trench Width, W (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	6.00
Non-Saturated Trench Depth, D_U (ft):	3.20
Saturated Trench Depth, D_S (ft):	8.80
H_2W:	27.00
$2H_2D_U$:	38.40
D_U^2:	10.24
$2H_2D_S$:	105.60
$(1.39x10^{-4})WD_U$:	0.002002
d_2:	5.00
d_3:	1.35
K_{10}:	2.29E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	43.78
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**3.65**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 5

French Drain (ICPR Link Name): **PR5S15_5GW4/PR5S21A_5GW4**
Existing/Proposed: **Proposed**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **71.00**
Trench Height, H_T (ft): **12.00**
Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**
Pipe Invert EL. (ft-NAVD): **1.45**
Top of Trench EL. (ft-NAVD): **4.65**
Bottom of Trench EL. (ft-NAVD): **-7.35**
Weir EL. (ft-NAVD): **7.45**
Upstream Structure Rim/Grate EL. (ft-NAVD): **9.79**

SHGWT EL. (ft-NAVD): **1.45**
Max Stage (ft-NAVD): ***7.45***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.
AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual
Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.65**	3.20	2.45	3.20	0.05936	**4.2143**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.45**	3.20	2.45	6.00	0.13181	**9.3587**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.65**	1.67	3.45	1.67	0.03277	**2.3270**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.45**	1.67	3.45	4.47	0.09843	**6.9888**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

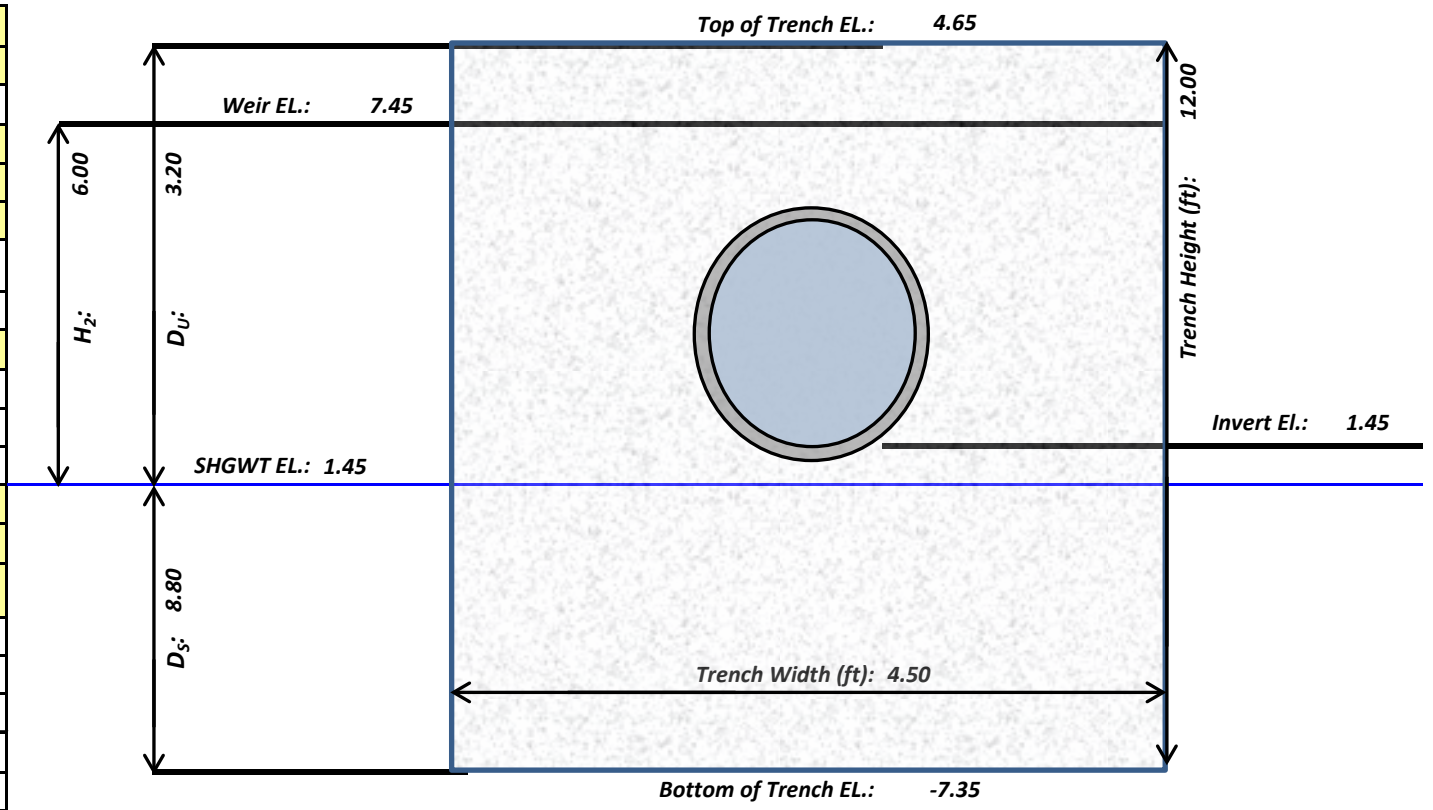
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.65**	**4.2143**
1.45	**7.45**	**9.3587**
2.98	**2.98**	**0.0000**
2.98	**4.65**	**2.3270**
2.98	**7.45**	**6.9888**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 5

French Drain (ICPR Link Name):	PR5S04_5GW5/PR5S08_5GW5
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	284.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	142.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	4.65
Bottom of Trench EL. (ft-NAVD):	-7.35
Trench Height, H_T (ft):	12.00
Weir EL. (ft-NAVD):	7.45
Trench Width, W (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	6.00
Non-Saturated Trench Depth, D_U (ft):	3.20
Saturated Trench Depth, D_S (ft):	8.80
H_2W:	27.00
$2H_2D_U$:	38.40
D_U^2:	10.24
$2H_2D_S$:	105.60
$(1.39x10^{-4})WD_U$:	0.002002
d_2:	5.00
d_3:	1.35
K_{10}:	2.29E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	43.78
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**3.65**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 5

French Drain (ICPR Link Name): **PR5S04_5GW5/PR5S08_5GW5**
Existing/Proposed: **Proposed**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **71.00**
Trench Height, H_T (ft): **12.00**
Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**
Pipe Invert EL. (ft-NAVD): **1.45**
Top of Trench EL. (ft-NAVD): **4.65**
Bottom of Trench EL. (ft-NAVD): **-7.35**
Weir EL. (ft-NAVD): **7.45**
Upstream Structure Rim/Grate EL. (ft-NAVD): **10.82**

SHGWT EL. (ft-NAVD): **1.45**
Max Stage (ft-NAVD): ***7.45***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.
AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual
Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.65**	3.20	2.45	3.20	0.05936	**4.2143**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.45**	3.20	2.45	6.00	0.13181	**9.3587**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.65**	1.67	3.45	1.67	0.03277	**2.3270**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.45**	1.67	3.45	4.47	0.09843	**6.9888**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

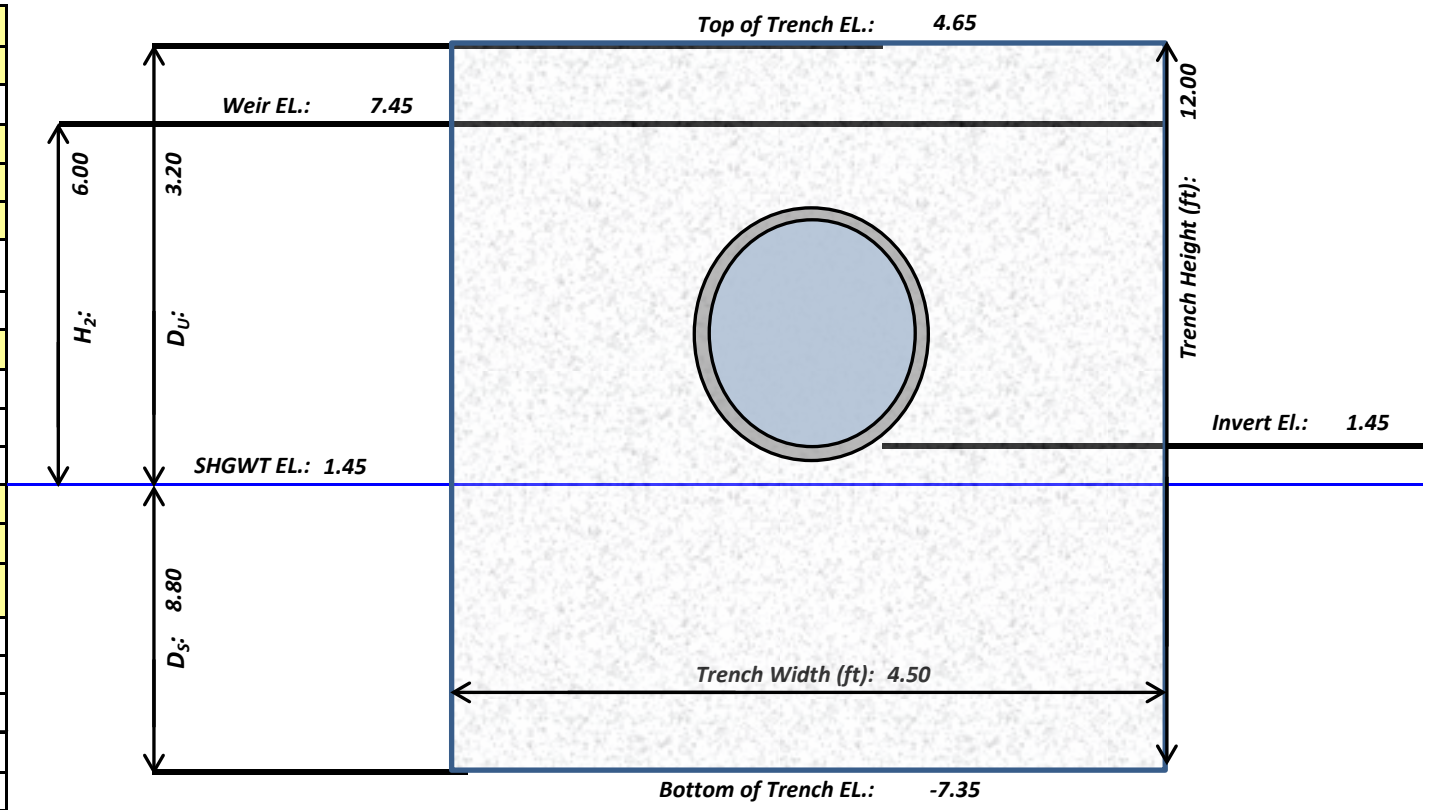
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.65**	**4.2143**
1.45	**7.45**	**9.3587**
2.98	**2.98**	**0.0000**
2.98	**4.65**	**2.3270**
2.98	**7.45**	**6.9888**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 5

French Drain (ICPR Link Name):	PR5S08_5GW6/PR5S12_5GW6
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	24
Effective Length of French Drain, *L* (LF):	284.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, *L* (LF):	142.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	4.65
Bottom of Trench EL. (ft-NAVD):	-7.35
Trench Height, H_T (ft):	12.00
Weir EL. (ft-NAVD):	7.45
Trench Width, *W* (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	6.00
Non-Saturated Trench Depth, D_U (ft):	3.20
Saturated Trench Depth, D_S (ft):	8.80
H_2W:	27.00
$2H_2D_U$:	38.40
D_U^2:	10.24
$2H_2D_S$:	105.60
$(1.39x10^{-4})WD_U$:	0.002002
d_2:	5.00
d_3:	1.35
K_{10}:	2.29E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	43.78
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**3.65**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 5

French Drain (ICPR Link Name): **PR5S08_5GW6/PR5S12_5GW6**
Existing/Proposed: **Proposed**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **71.00**
Trench Height, H_T (ft): **12.00**
Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**
Pipe Invert EL. (ft-NAVD): **1.45**
Top of Trench EL. (ft-NAVD): **4.65**
Bottom of Trench EL. (ft-NAVD): **-7.35**
Weir EL. (ft-NAVD): **7.45**
Upstream Structure Rim/Grate EL. (ft-NAVD): **9.20**

SHGWT EL. (ft-NAVD): **1.45**
Max Stage (ft-NAVD): ***7.45***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.
AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual
Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.65**	3.20	2.45	3.20	0.05936	**4.2143**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.45**	3.20	2.45	6.00	0.13181	**9.3587**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.65**	1.67	3.45	1.67	0.03277	**2.3270**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.45**	1.67	3.45	4.47	0.09843	**6.9888**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

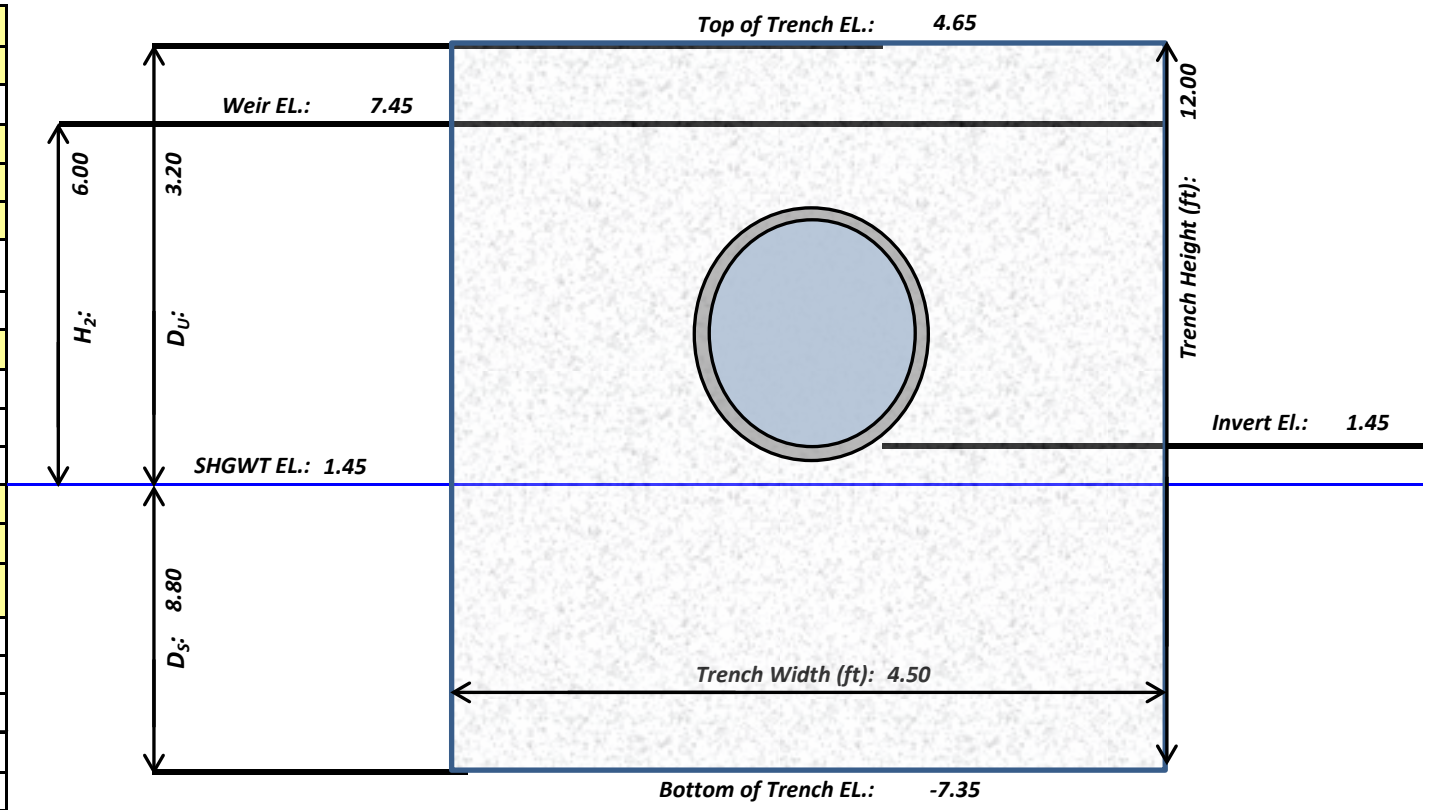
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.65**	**4.2143**
1.45	**7.45**	**9.3587**
2.98	**2.98**	**0.0000**
2.98	**4.65**	**2.3270**
2.98	**7.45**	**6.9888**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 5

French Drain (ICPR Link Name):	PR5S18_5GW7/PR5S20A_5GW7
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	24
Effective Length of French Drain, *L* (LF):	179.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, *L* (LF):	89.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	4.65
Bottom of Trench EL. (ft-NAVD):	-7.35
Trench Height, H_T (ft):	12.00
Weir EL. (ft-NAVD):	7.45
Trench Width, *W* (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.29E-03
Depth to Water Table, H_2 (ft):	6.00
Non-Saturated Trench Depth, D_U (ft):	3.20
Saturated Trench Depth, D_S (ft):	8.80
H_2W:	27.00
$2H_2D_U$:	38.40
D_U^2:	10.24
$2H_2D_S$:	105.60
$(1.39x10^{-4})WD_U$:	0.002002
d_2:	5.00
d_3:	1.35
K_{10}:	2.29E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	27.59
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**2.30**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 5

French Drain (ICPR Link Name): **PR5S18_5GW7/PR5S20A_5GW7**
Existing/Proposed: **Proposed**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **44.75**
Trench Height, H_T (ft): **12.00**
Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.290E-03**
Pipe Invert EL. (ft-NAVD): **1.45**
Top of Trench EL. (ft-NAVD): **4.65**
Bottom of Trench EL. (ft-NAVD): **-7.35**
Weir EL. (ft-NAVD): **7.45**
Upstream Structure Rim/Grate EL. (ft-NAVD): **9.60**

SHGWT EL. (ft-NAVD): **1.45**
Max Stage (ft-NAVD): ***7.45***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.
AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual
Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.65**	3.20	2.45	3.20	0.05936	**2.6562**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.45**	3.20	2.45	6.00	0.13181	**5.8986**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.65**	1.67	3.45	1.67	0.03277	**1.4666**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**7.45**	1.67	3.45	4.47	0.09843	**4.4049**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.65**	**2.6562**
1.45	**7.45**	**5.8986**
2.98	**2.98**	**0.0000**
2.98	**4.65**	**1.4666**
2.98	**7.45**	**4.4049**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

DRAINAGE SYSTEM SUMMARY TABLES

DRAINAGE SYSTEM: ***4 & 5***

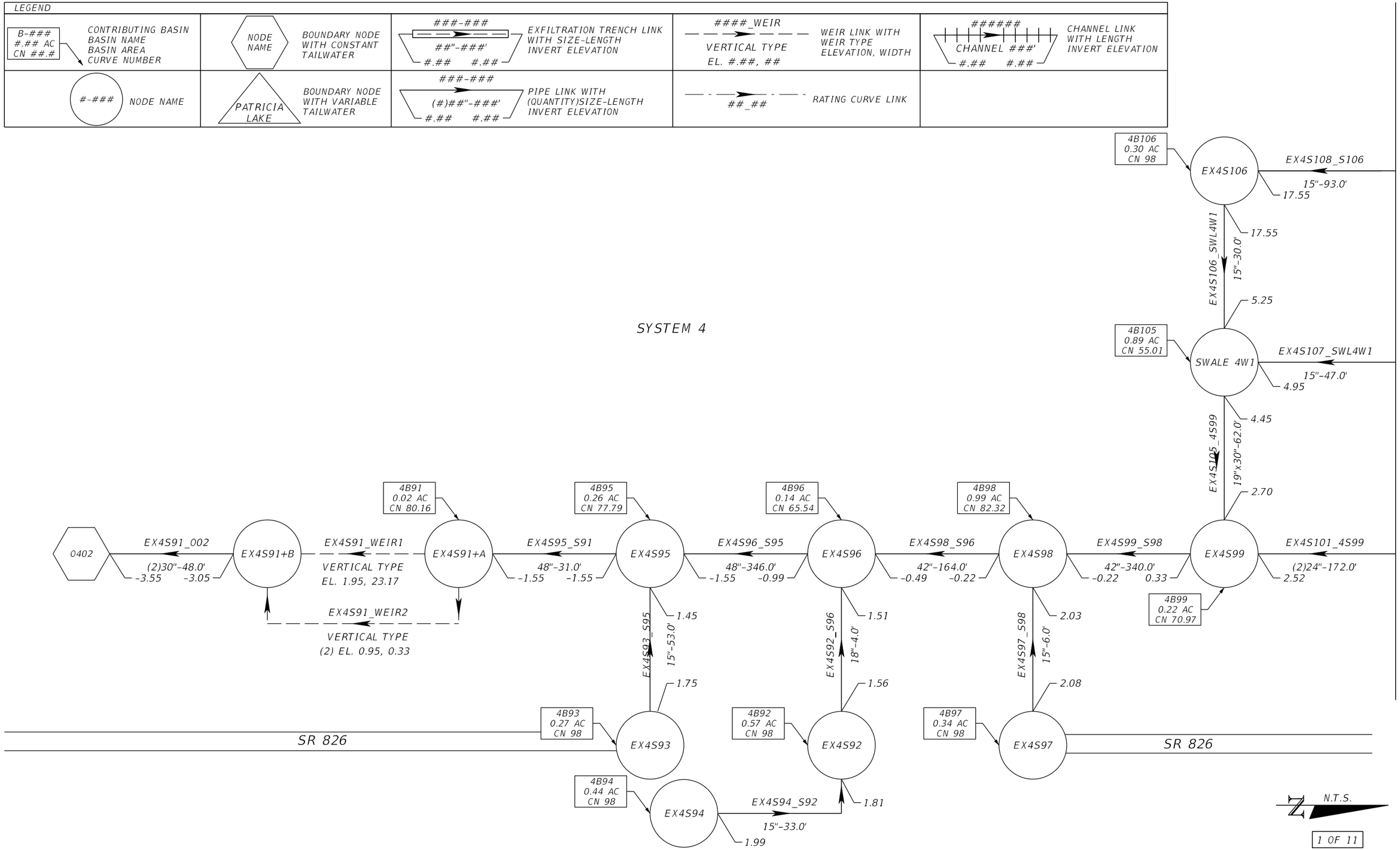
Summary of Peak Discharges			
Receiving Waterbody:	**Snapper Creek**		
PRE-DEVELOPMENT			
ICPR Node:	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
O401	29.90	168.50	50.15
O402	8.57	51.27	13.96
PRE-DEVELOPMENT TOTALS:	**38.47**	**219.77**	**64.11**
POST-DEVELOPMENT			
ICPR Node:	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
O401	18.93	137.29	33.18
O402	10.53	61.65	16.01
POST-DEVELOPMENT TOTALS:	**29.46**	**198.94**	**49.19**
Pre-Post 25yr-72hr Peak Discharge Reduction (cfs):	***20.83***		

Summary of Peak Stages									
				PRE-DEVELOPMENT			**POST-DEVELOPMENT**		
Pond/ Swale/ FD #	**Type: [Wet/Dry, Det./Ret., FD]**	**Disposition [Exist./ Prop./ Modified]**	**Warning EL. [Min. Berm/ Min. EOP] (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**
POND 401	Dry Retention	Modified	10.00	7.63	8.29	7.91	7.72	8.95	8.04
POND 402	Dry Retention	Modified	10.00	-	-	-	6.36	8.82	6.73
POND 403	Dry Retention	Modified	10.00	-	-	-	6.57	8.83	6.75
POND 404	Dry Retention	Modified	10.00	-	-	-	6.35	8.83	6.73
POND 405	Dry Retention	Modified	10.00	-	-	-	6.36	8.90	6.78
SWALE 4E1	Dry Retention	Modified	8.17	4.77	5.70	4.93	4.77	5.63	4.93
SWALE 4W1	Dry Retention	Modified	7.45	4.84	5.53	4.96	4.84	5.77	4.96
POND 501	Dry Retention	Prop.	10.00	-	-	-	5.59	7.15	6.17
PR4S98A	FD	Prop.	7.40	-	-	-	2.87	5.72	3.20
PR4S12A	FD	Prop.	8.20	-	-	-	4.47	4.95	4.47
PR4S63A	FD	Prop.	9.20	-	-	-	4.26	8.83	5.38
PR4S63D	FD	Prop.	9.25	-	-	-	4.03	8.52	5.16
PR4S56	FD	Prop.	9.00	-	-	-	5.85	8.43	5.85
PR4S53	FD	Prop.	11.00	-	-	-	3.95	8.62	4.98
PR5S01	FD	Prop.	10.70	-	-	-	7.34	7.92	7.43
PR5S04	FD	Prop.	11.65	-	-	-	7.55	8.46	7.71
PR5S05	FD	Prop.	10.70	-	-	-	3.17	7.33	3.54
PR5S08	FD	Prop.	10.82	-	-	-	3.39	7.96	4.29
PR5S09	FD	Prop.	10.08	-	-	-	3.17	7.33	3.54
PR5S12	FD	Prop.	9.20	-	-	-	3.39	7.96	4.29
PR5S15	FD	Prop.	10.40	-	-	-	3.18	7.54	3.57

Control Structure Summary Table - Proposed Conditions					
Control Structure:	**Disposition [Exist./ Prop./ Modified]**	**Weir Type/ Geometry**	**Weir EL. (ft-NAVD)**	**Bleeder Type/ Geometry**	**Bleeder Invert EL. (ft-NAVD)**
EX4S03_WEIR1	Exist.	Sharp Crested, Vertical - Rectangular, Slot	0.95		
EX4S03_WEIR2	Exist.	Sharp Crested, Vertical - Rectangular	1.95		
EX4S69_WEIR	Exist.	Horizontal	7.95		
PR4S91_WEIR1	Modified	Sharp Crested, Vertical - Rectangular	1.95		
PR4S91_WEIR2	Modified			2 - 4" Dia	0.95
PR5S01_WEIR	Prop.	Broad Crested, Vertical - Rectangular	7.30		
PR5S04_WEIR	Prop.	Broad Crested, Vertical - Rectangular	7.30		
PR5S14A_WEIR	Prop.	Horizontal - Rectangular	8.00		

LEGEND

B-### #.## AC CN ##.# — CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER	NODE NAME — BOUNDARY NODE WITH CONSTANT TAILWATER	###-### ##"-###' #.## #.## — EXFILTRATION TRENCH LINK WITH SIZE-LENGTH INVERT ELEVATION	####_WEIR VERTICAL TYPE EL. #.##, ## — WEIR LINK WITH WEIR TYPE ELEVATION, WIDTH	###### CHANNEL ###' #.## #.## — CHANNEL LINK WITH LENGTH INVERT ELEVATION
#-### — NODE NAME	PATRICIA LAKE — BOUNDARY NODE WITH VARIABLE TAILWATER	###-### (#)##"-###' #.## #.## — PIPE LINK WITH (QUANTITY)SIZE-LENGTH INVERT ELEVATION	##_## — RATING CURVE LINK	



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-1

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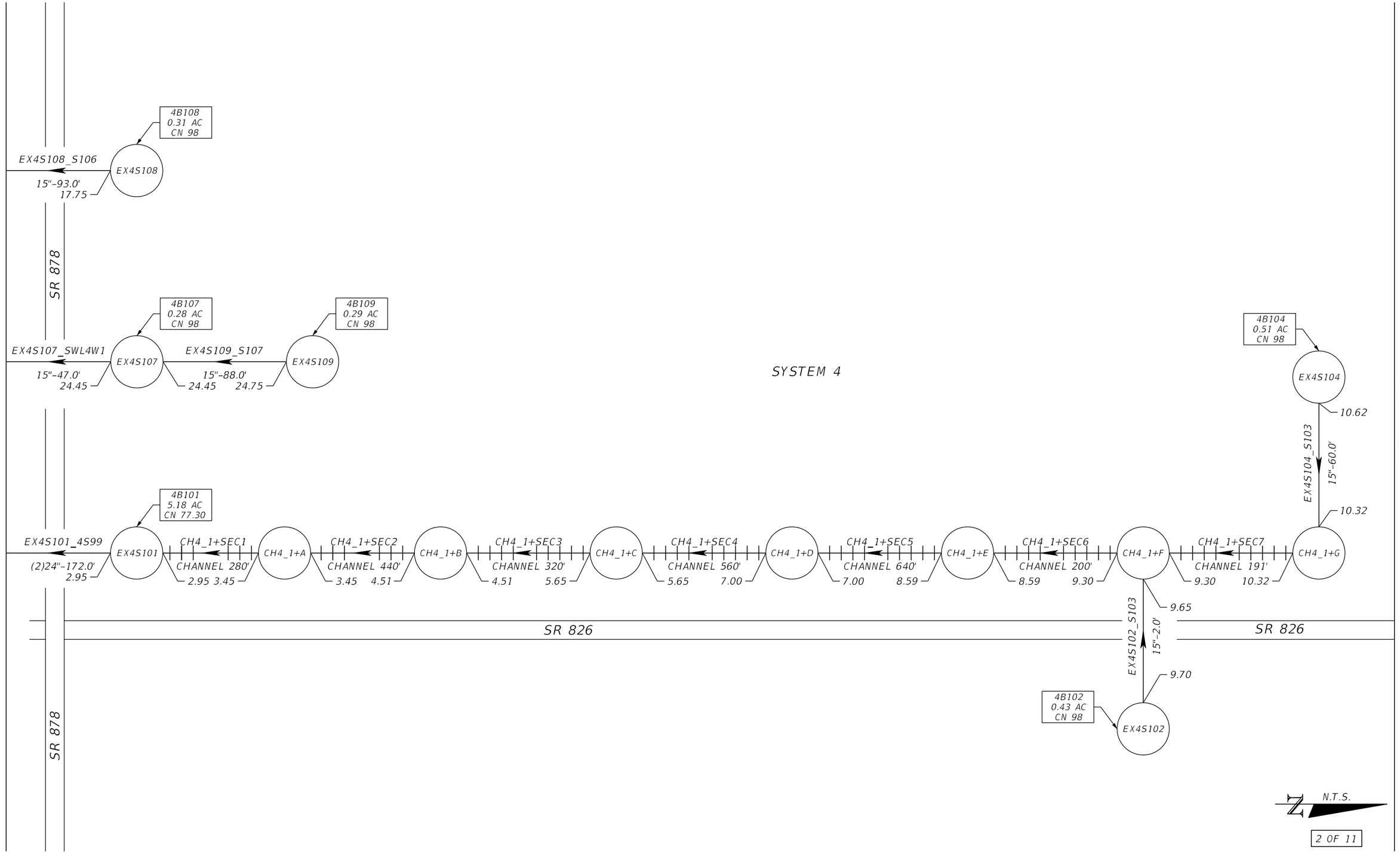
SYSTEM 4



2 OF 11

REVISIONS			
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-2

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MATCHLINE H-H

MATCHLINE B-B

SR 986 (SW 72ND ST)

4GW3

EX4S45_4GW3

EX4S45

4.45

EX4S61_S45

15"-84.0'

6.15

7.05

EX4S61

4B61
0.70 AC
CN 86.81

4B45
0.82 AC
CN 80.68

4B45-OFFSITE
0.39 AC
CN 70.45

EX4S45_4GW4

4GW4

EX4S45_S46A

36"x36"-561.0'

4.45

4B15
0.49 AC
CN 98

EX4S46A_4GW4

EX4S46A

4.45

EX4S15

22.95

CH4_3+SEC4

CHANNEL 56'

EX4S15_CH4_3+A

15"-33.0'

4B46
0.44 AC
CN 98

5.70

11.45

EX4S46

CH4_3+A

5.75

10.45

CH4_3+SEC5

CHANNEL 82'

CH4_3+SEC1

CHANNEL 231'

4B35
0.73 AC
CN 64.55

5.68

5.56

EX4S35

EX4S35_CH4_3+B

24"x28"-59.0'

5.68

5.56

CH4_3+B

5.56

CH4_3+SEC2

CHANNEL 107'

4B36
1.01 AC
CN 55.01

4B47
0.16 AC
CN 98

5.52

EX4S47

EX4S47_S36

15"-33.0'

6.89

6.69

EX4S36

EX4S64_S36

5.95

(2)24"x38"-106.0'

6.15

EX4S64

EX4S36_CH4_4+A

5.52

(2)48"-214.0'

4B64
0.93 AC
CN 62.57

4B62
1.03 AC
CN 98

EX4S62

CH4_7+SEC2

CHANNEL 73'

6.45

6.48

4B63
2.28 AC
CN 68.87

4B63 - OFFSITE
5.48 AC
CN 71.35

EX4S63

CH4_7+SEC1

CHANNEL 440'

6.48

6.65

CH4_7+A

4B78
0.34 AC
CN 98

EX4S78_S77

15"-70.0'

7.95

13.45

EX4S78

6.48

EX4S63_CH4_5+B

(2)24"-78.0'

4B65
0.06 AC
CN 98

EX4S65

6.42

EX4S65_S64

15"-34.0'

6.22

6.25

4B75
0.63 AC
CN 98

CH4_5+SEC2

CHANNEL 121'

6.15

6.25

CH4_5+B

CH4_5+SEC1

CHANNEL 231'

6.25

15.95

CH4_5+A

EX4S75_CH4_5+A

15"-22.0'

15.95

22.45

EX4S75

SR 826

SR 826

N.T.S.

3 OF 11

MATCHLINE C-C

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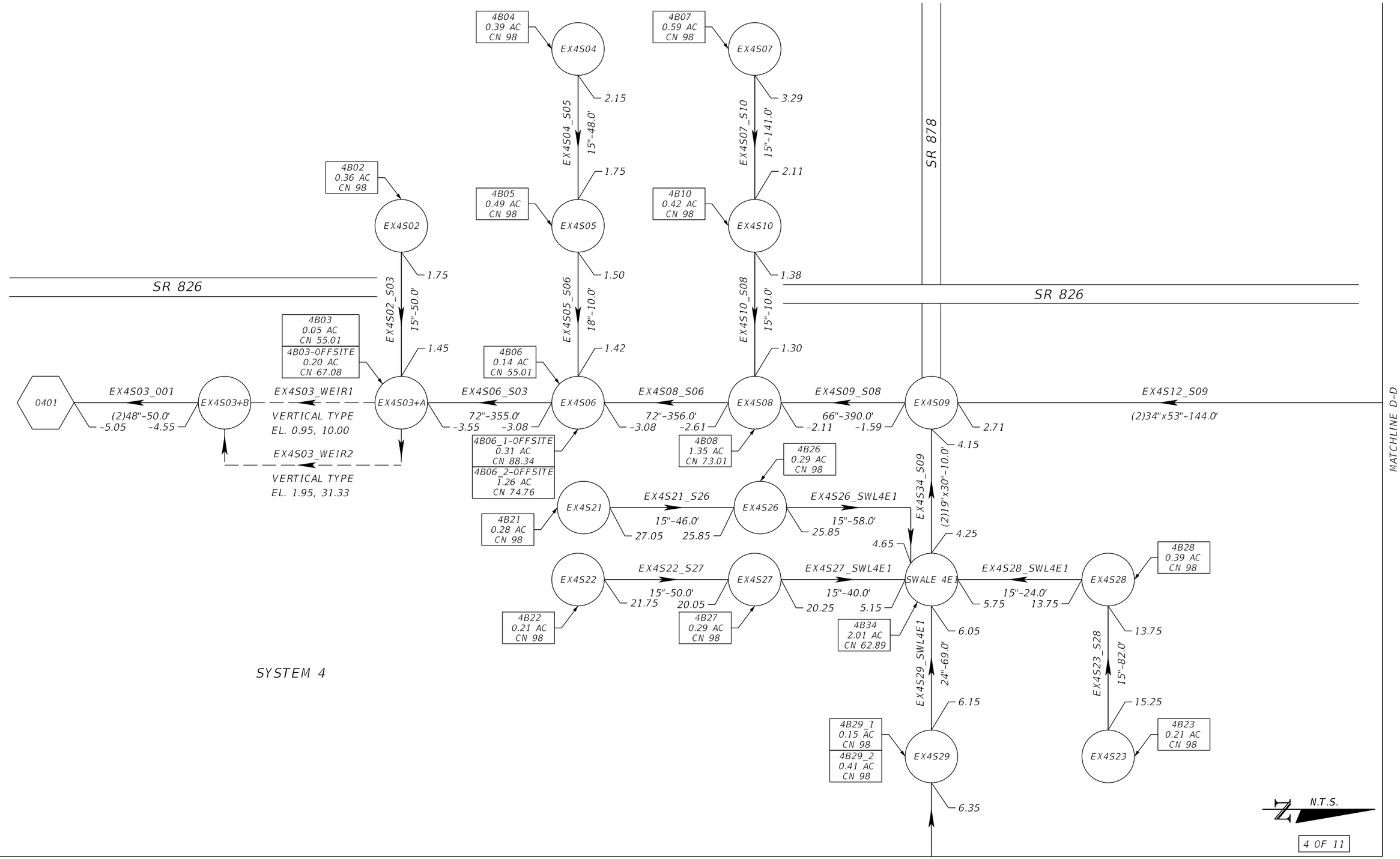
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-3



SYSTEM 4

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-4

MATCHLINE C-C

4B18
0.29 AC
CN 98

4B16
0.18 AC
CN 98

EX4S18

EX4S16

6.95

4.70

EX4S18_S12
15"-40.0'

EX4S16_S12
15"-2.0'

5.32

CH4_4+A

EX4S48_CH4_4+A
15"-18.0'
6.67
6.77

EX4S48

4B48
0.17 AC
CN 98

5.45

5.32

CH4_4+SEC1
CHANNEL 190'

EX4S67_CH4_4+A
(3)30"-110.0'

4B66
0.10 AC
CN 98

EX4S66

6.53

EX4S66_S67
15"-20.0'

CH4_6+B

EX4S76_CH4_6+B
15"-34.0'
9.75
22.45

EX4S76

4B76
0.63 AC
CN 98

9.75

CH4_6+SEC2
CHANNEL 171'

4B19
0.55 AC
CN 98

4B17
0.60 AC
CN 98

5.23

5.50

6.43

5.55

EX4S19

EX4S17

EX4S49

CH4_4+SEC2
CHANNEL 147'
5.23
11.95

CH4_4+B

EX4S20_CH4_4+B
15"-30.0'
11.95
22.95

EX4S20

4B20
0.49 AC
CN 98

EX4S67

CH4_6+SEC1
CHANNEL 181'
5.50
5.55

CH4_6+A

4B49
1.02 AC
CN 55.01

4B67
1.08 AC
CN 55.01

12.45

4.55

5.23

5.55

EX4S19_S12
15"-65.0'

EX4S17_S12
15"-2.0'

EX4S49_S13
(5)30"-60.0'

EX4S69_CH4_6+A
(3)30"-54.0'

SR 826

4.50

4.65

4.35

4.50

5.09

5.65

EX4S12_S09

EX4S12

CH4_2+SEC1
CHANNEL 2400'
5.09
5.09

CH4_2+A

CH4_2+SEC3
CHANNEL 135'
5.09
5.42

EX4S50A

EX4S50_S50A
15"-10.0'
5.42
5.47

EX4S50

4B50
0.86 AC
CN 96.33

EX4S69

EX4S69+A_S69
(3)19"x30"-20.0'
5.65
5.75

EX4S69+A

(2)34"x53"-144.0'
2.95

2.60

4.49

4B69-OFFSITE
1.46 AC
CN 58.05

5.55

5.42

4B12
6.43 AC
CN 67.88

4B12-OFFSITE
3.93 AC
CN 66.87

2.95

EX4S11_S12
18"-62.0'

EX4S14_S12
18"-64.0'

CH4_2+SEC2
CHANNEL 59'

CH4_6+SEC4
CHANNEL 129'

5.15

5.45

5.75

4B11
0.54 AC
CN 73.34

4B11-OFFSITE
1.54 AC
CN 61.67

2.95

EX4S11

EX4S14

EX4S51A

EX4S68

4B68
0.77 AC
CN 98

4B14
0.49 AC
CN 98

4B14-OFFSITE
1.76 AC
CN 59.08

SR 986 (SW 72ND ST)

5.45

EX4S51_S51A
18"-35.0'

3.55

4B51-OFFSITE
0.96 AC
CN 64.01

4B51
0.21 AC
CN 89.54

EX4S51

EX4S70_S51
15"-85.0'
6.20
6.40

EX4S70

4B70
0.20 AC
CN 85.94

4B70-OFFSITE
0.70 AC
CN 63.59

3.55

SYSTEM 4

N.T.S.

5 OF 11

MATCHLINE G-G

MATCHLINE D-D

MATCHLINE E-E

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CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-5

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MATCHLINE E-E

MATCHLINE H-H

SYSTEM 4

EX4S84

4B84_1
0.55 AC
CN 98

4B84_2
1.57 AC
CN 98

6.23

EX4S84_S82
15"-2.0'

6.20

CH4_9+SEC1
CHANNEL 2000'

4B80
0.59 AC
CN 98

EX4S80

EX4S80_S80A
15"-81.0'
6.75
5.75

EX4S80A

EX4S80A_S82
15"-75.0'
6.70
5.75

EX4S82

6.20

5.70

EX4S86

4B86
0.35 AC
CN 98

6.50

EX4S87_4+A
15"-2.0'

SR 826

SR 826

4B90_1
2.64 AC
CN 56.15

4B90_1-OFFSITE
4.76 AC
CN 69.70

4B90_2
0.33 AC
CN 71.60

4B90_2-OFFSITE
1.01 AC
CN 58.66

EX4S82_POND401
36"-164.0'

5.37

7.00

EX4S87_4+A
15"-2.0'

EX4S87

4B87
0.64 AC
CN 98

6.45

6.95

EX4S69_WEIR
HORIZONTAL TYPE
EL. 7.95, 12.50

POND401

EX4S86_S90
VERTICAL TYPE
EL. 7.45, 4.00

CH4_8+A

CH4_8+SEC1
CHANNEL 900'

6.45

5.95

6.05

5.95

6.05

4B79
0.57 AC
CN 98

EX4S79

EX4S79_S90
15"-42.0'
6.73

EX4S83_POND401
15"-2.0'

EX4S85_4+A
15"-2.0'

4B81
0.44 AC
CN 98

EX4S81

EX4S81_S90
15"-2.0'
6.00

6.10

6.25

EX4S83

EX4S85

4B85_1
0.33 AC
CN 98

4B85_2
0.29 AC
CN 98

4B83
0.49 AC
CN 98

N.T.S.

6 OF 11

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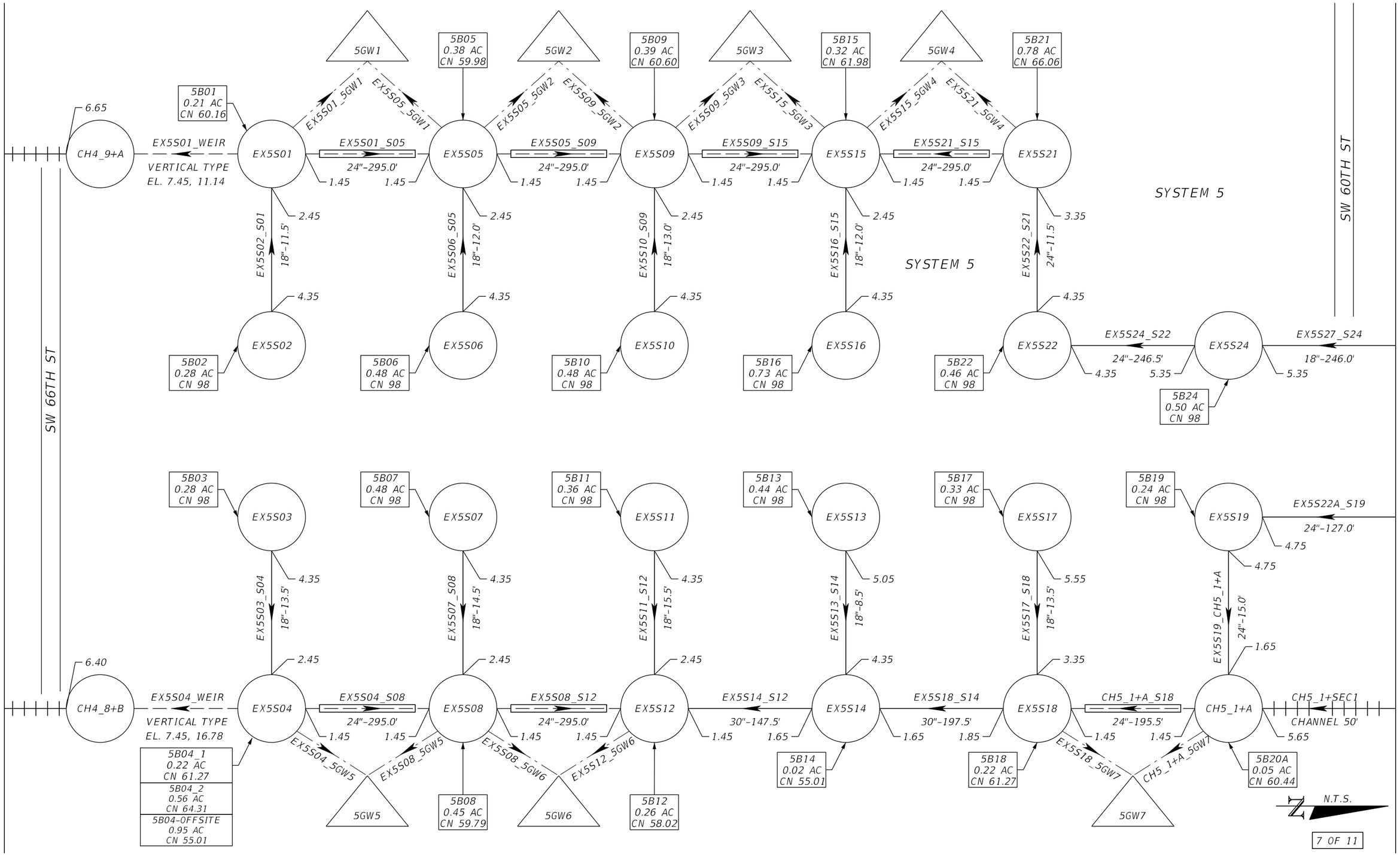
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO.
NL-6



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CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-7

SYSTEM 5

SW 62ND ST

MATCHLINE I-I

5B27 0.50 AC CN 98 → EX5S27

5B31 0.35 AC CN 98 → EX5S31

5B33 0.18 AC CN 98 → EX5S33

EX5S27 — 6.35 — EX5S31_S27 18"-237.5' — 6.35 / 6.95 — EX5S31 — 6.95 — EX5S33_S31 18"-156.5' — 7.45 — EX5S33

5B22A 0.24 AC CN 98 → EX5S22A

5B23 0.21 AC CN 98 → EX5S23

5B24A 0.22 AC CN 98 → EX5S24A

5B25 0.22 AC CN 98 → EX5S25

5B26 0.17 AC CN 98 → EX5S26

5B29 0.34 AC CN 98 → EX5S29

5B28 0.04 AC CN 98 → EX5S28

EX5S22A — 4.95 — EX5S23_S22A 24"-117.0' — 4.95 / 5.15 — EX5S23 — 5.15 — EX5S24A_S23 24"-97.0' — 5.25 — EX5S24A — 5.25 — EX5S25_S24A 24"-97.0' — 5.45 — EX5S25 — 5.45 — EX5S26_S25 18"-97.0' — 5.65 — EX5S26 — 5.65 — EX5S29_S26 18"-71.5' — 6.45 — EX5S29 — 6.45 — EX5S28_S29 18"-22.5' — 7.85 — EX5S28

5B20B 0.08 AC CN 61.98 → CH5_1+B

5B20C 0.07 AC CN 63.12 → CH5_1+C

5B20D 0.06 AC CN 64.71 → CH5_1+D

5B20E 0.05 AC CN 60.44 → CH5_1+E

5B20F 0.05 AC CN 60.44 → CH5_1+F

CH5_1+B — 6.15 — CH5_1+SEC2 CHANNEL 100' — 6.15 / 7.15 — CH5_1+C — 7.15 — CH5_1+SEC3 CHANNEL 100' — 7.95 — CH5_1+D — 7.95 — CH5_1+SEC4 CHANNEL 100' — 8.55 — CH5_1+E — 8.55 — CH5_1+SEC5 CHANNEL 100' — 8.65 — CH5_1+F

SW 62ND ST

SW 59TH ST

5B32 0.64 AC CN 98 → EX5S32

EX5S32 — 8.45 — EX5S32_S30 18"-196.5' — 7.95 — EX5S30

5B30 0.32 AC CN 98 → EX5S30

EX5S30 — 7.95 — EX5S30_S28 18"-21.5' — 7.85 — EX5S28

SW 59TH ST

N.T.S.

8 OF 11

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

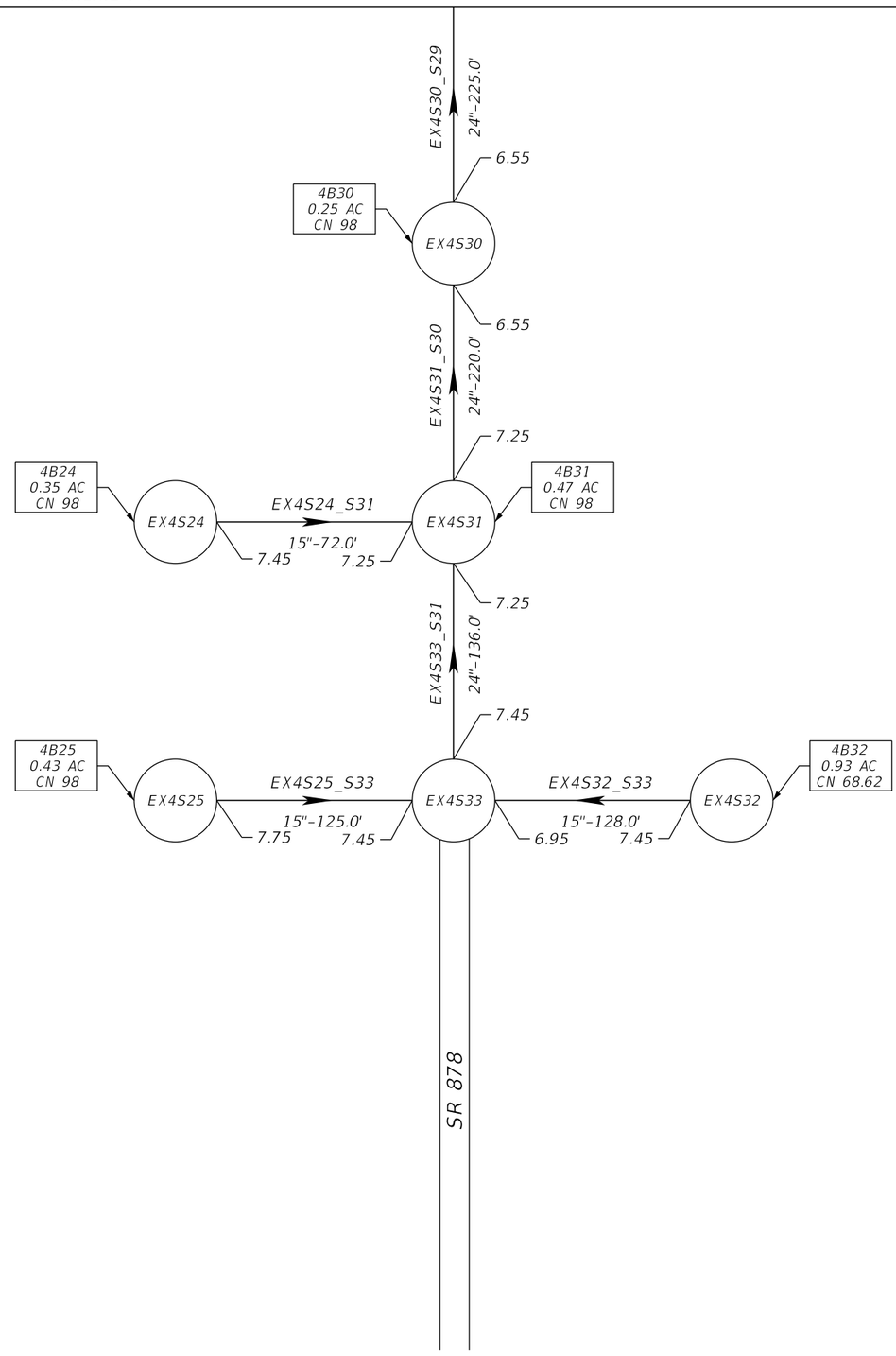
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-8

MATCHLINE F-F

SYSTEM 4



N.T.S.

9 OF 11

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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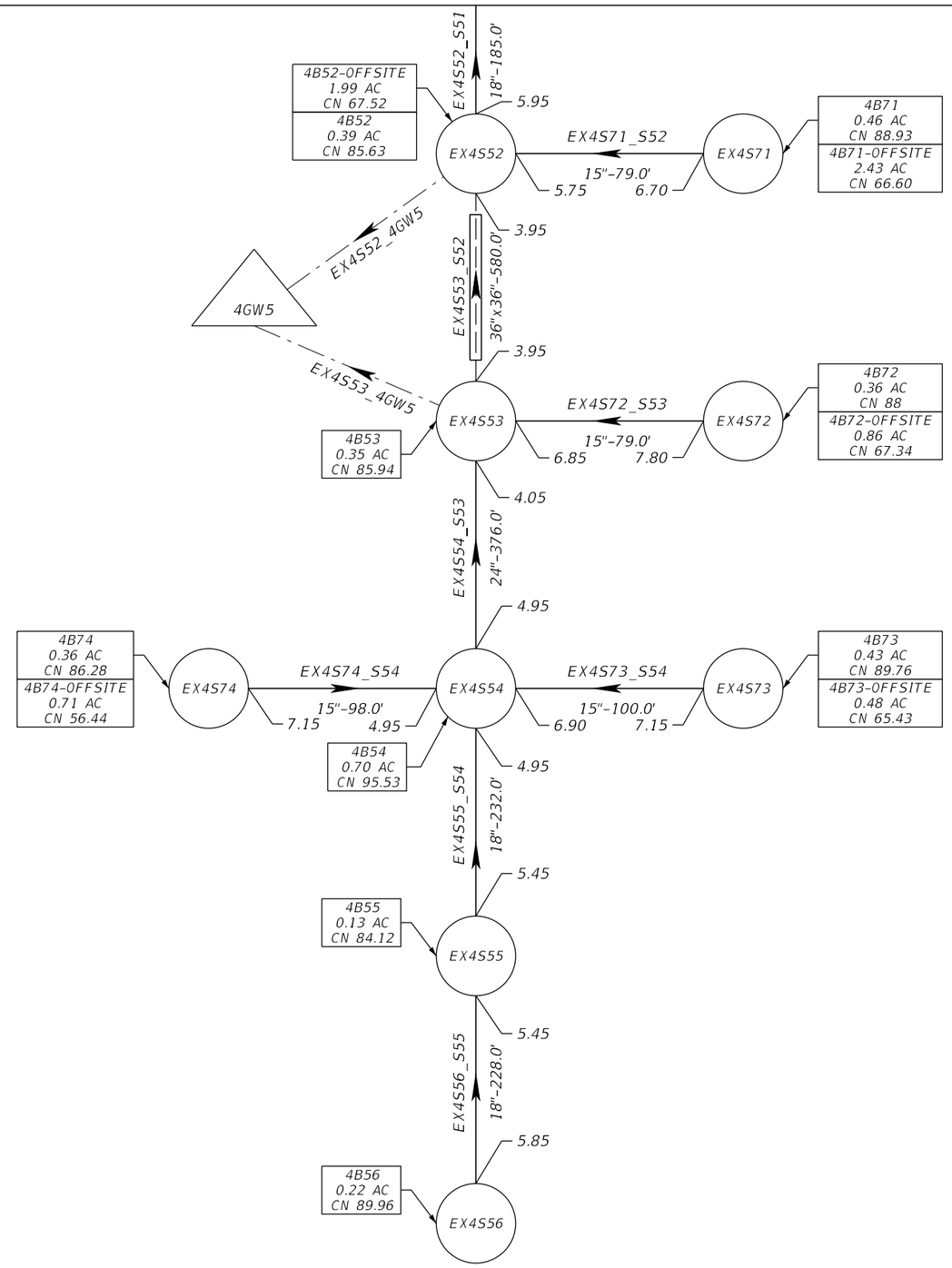
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-9

MATCHLINE G-G



SYSTEM 4

N.T.S.

10 OF 11

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
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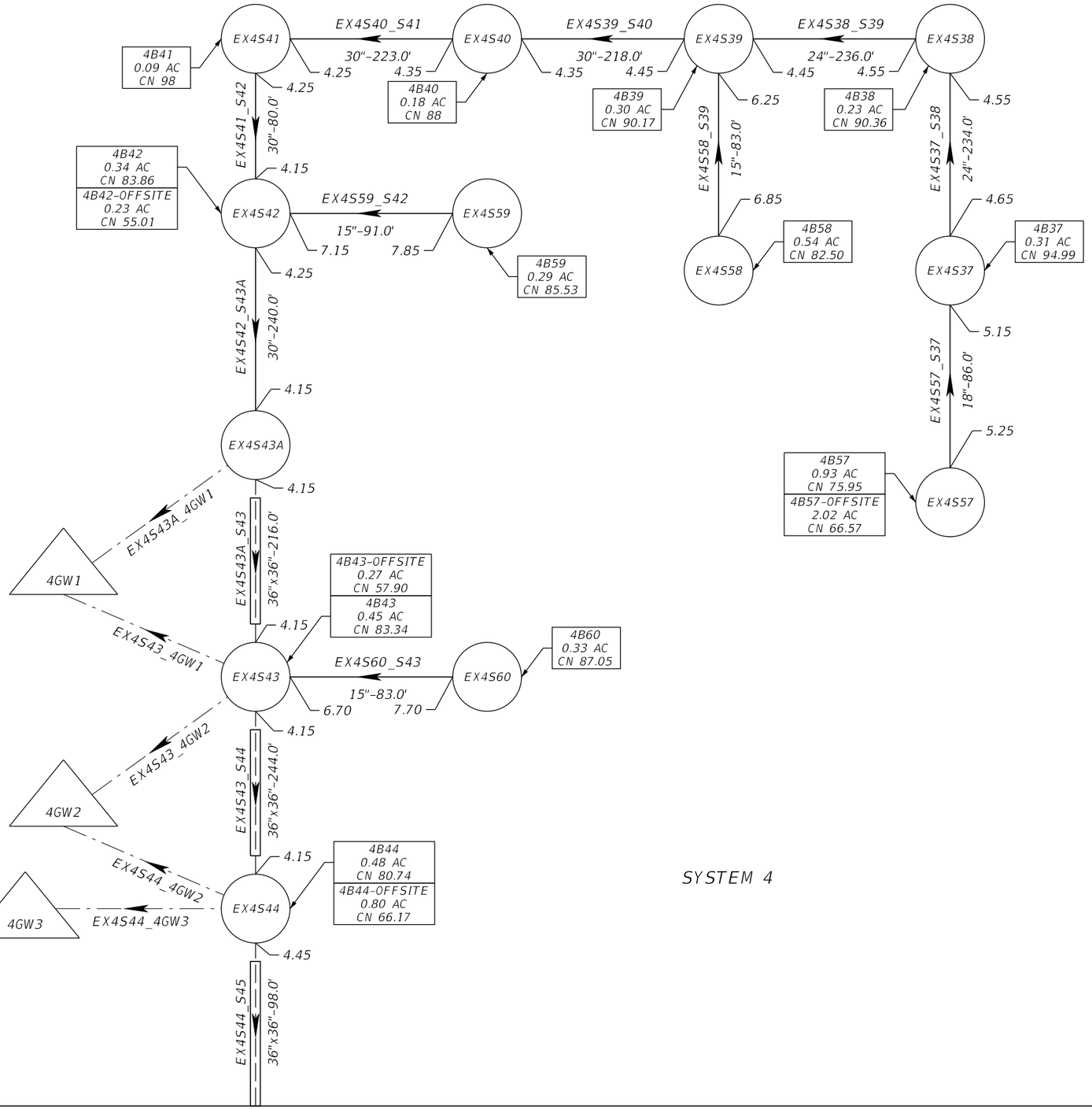
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO.
NL-10



SYSTEM 4

N.T.S.

11 OF 11

MATCHLINE H-H

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-11

Simple Basin: 4B02

Scenario:	Scenario1
Node:	EX4S02
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B03

Scenario:	Scenario1
Node:	EX4S03+A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0500 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B03 - OFFSITE

Scenario:	Scenario1
Node:	EX4S03+A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2000 ac
Curve Number:	67.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Includes offsite area

Simple Basin: 4B04

Scenario:	Scenario1
Node:	EX4S04
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B05

Scenario:	Scenario1
Node:	EX4S05
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B06

Scenario:	Scenario1
Node:	EX4S06
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1400 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B06_1 - OFFSITE

Scenario:	Scenario1
Node:	EX4S06
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3100 ac
Curve Number:	88.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B06_2 - OFFSITE

Scenario:	Scenario1
Node:	EX4S06
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2600 ac
Curve Number:	74.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Includes offsite area

Simple Basin: 4B07

Scenario:	Scenario1
Node:	EX4S07
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B08

Scenario:	Scenario1
Node:	EX4S08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3500 ac
Curve Number:	73.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B10

Scenario:	Scenario1
Node:	EX4S10
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B101

Scenario:	Scenario1
Node:	EX4S101
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.1800 ac
Curve Number:	77.3
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B102

Scenario:	Scenario1
Node:	EX4S102
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B104

Scenario:	Scenario1
Node:	EX4S104
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B105

Scenario:	Scenario1
Node:	SWALE 4W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8900 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B106

Scenario:	Scenario1
Node:	EX4S106
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B107

Scenario:	Scenario1
Node:	EX4S107
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B108

Scenario:	Scenario1
Node:	EX4S108
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B109

Scenario:	Scenario1
Node:	EX4S109
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B11

Scenario:	Scenario1
Node:	EX4S11
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5400 ac
Curve Number:	73.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B11 - OFFSITE

Scenario:	Scenario1
Node:	EX4S11
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.5400 ac
Curve Number:	61.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B12

Scenario:	Scenario1
Node:	EX4S12
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.4300 ac
Curve Number:	67.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B12-OFFSITE

Scenario:	Scenario1
Node:	EX4S12
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9300 ac
Curve Number:	66.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B14

Scenario:	Scenario1
Node:	EX4S14
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B14 - OFFSITE

Scenario:	Scenario1
Node:	EX4S14
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.7600 ac
Curve Number:	59.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B15

Scenario:	Scenario1
Node:	EX4S15
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B16

Scenario:	Scenario1
Node:	EX4S16
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B17

Scenario:	Scenario1
Node:	EX4S17
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B18

Scenario:	Scenario1
Node:	EX4S18
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B19

Scenario:	Scenario1
Node:	EX4S19
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B20

Scenario:	Scenario1
Node:	EX4S20
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B21

Scenario:	Scenario1
Node:	EX4S21
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B22

Scenario:	Scenario1
Node:	EX4S22
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B23

Scenario:	Scenario1
Node:	EX4S23
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B24

Scenario:	Scenario1
Node:	EX4S24
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B25

Scenario:	Scenario1
Node:	EX4S25
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B26

Scenario:	Scenario1
Node:	EX4S26
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B27

Scenario:	Scenario1
Node:	EX4S27
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B28

Scenario:	Scenario1
Node:	EX4S28
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B29_1

Scenario:	Scenario1
Node:	EX4S29
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B29_2

Scenario:	Scenario1
Node:	EX4S29
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B30

Scenario:	Scenario1
Node:	EX4S30
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B31

Scenario:	Scenario1
Node:	EX4S31
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B32

Scenario:	Scenario1
Node:	EX4S32
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9300 ac
Curve Number:	68.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B34

Scenario:	Scenario1
Node:	SWALE 4E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.0100 ac
Curve Number:	62.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B35

Scenario:	Scenario1
Node:	EX4S35
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7300 ac
Curve Number:	64.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B36

Scenario:	Scenario1
Node:	EX4S36
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0100 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B37

Scenario:	Scenario1
Node:	EX4S37
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3100 ac
Curve Number:	95.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B38

Scenario:	Scenario1
Node:	EX4S38
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2300 ac
Curve Number:	90.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B39

Scenario:	Scenario1
Node:	EX4S39
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3000 ac
Curve Number:	90.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B40

Scenario:	Scenario1
Node:	EX4S40
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1800 ac
Curve Number:	88.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B41

Scenario:	Scenario1
Node:	EX4S41
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B42

Scenario:	Scenario1
Node:	EX4S42
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3400 ac
Curve Number:	83.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B42 - OFFSITE

Scenario:	Scenario1
Node:	EX4S42
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2300 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B43

Scenario:	Scenario1
Node:	EX4S43
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4500 ac
Curve Number:	83.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B43 - OFFSITE

Scenario:	Scenario1
Node:	EX4S43
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2700 ac
Curve Number:	57.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B44

Scenario:	Scenario1
Node:	EX4S44
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4800 ac
Curve Number:	80.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B44 - OFFSITE

Scenario:	Scenario1
Node:	EX4S44
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8000 ac
Curve Number:	66.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B45

Scenario:	Scenario1
Node:	EX4S45
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8200 ac
Curve Number:	80.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B45 - OFFSITE

Scenario:	Scenario1
Node:	EX4S45
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3900 ac
Curve Number:	70.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B46

Scenario:	Scenario1
Node:	EX4S46
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B47

Scenario:	Scenario1
Node:	EX4S47
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B48

Scenario:	Scenario1
Node:	EX4S48
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B49

Scenario:	Scenario1
Node:	EX4S49
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0200 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B50

Scenario:	Scenario1
Node:	EX4S50
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8600 ac
Curve Number:	96.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B51

Scenario:	Scenario1
Node:	EX4S51
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2100 ac
Curve Number:	89.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B51- OFFSITE

Scenario:	Scenario1
Node:	EX4S51
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9600 ac
Curve Number:	64.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B52

Scenario:	Scenario1
Node:	EX4S52
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3900 ac
Curve Number:	85.6
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B52 - OFFSITE

Scenario:	Scenario1
Node:	EX4S52
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.9900 ac
Curve Number:	67.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B53

Scenario:	Scenario1
Node:	EX4S53
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3500 ac
Curve Number:	85.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B54

Scenario:	Scenario1
Node:	EX4S54
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7000 ac
Curve Number:	95.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B55

Scenario:	Scenario1
Node:	EX4S55
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1300 ac
Curve Number:	84.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B56

Scenario:	Scenario1
Node:	EX4S56
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2200 ac
Curve Number:	90.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B57

Scenario:	Scenario1
Node:	EX4S57
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9300 ac
Curve Number:	76.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B57 - OFFSITE

Scenario:	Scenario1
Node:	EX4S57
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.0200 ac
Curve Number:	66.6
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B58

Scenario:	Scenario1
Node:	EX4S58
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5400 ac
Curve Number:	82.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B59

Scenario:	Scenario1
Node:	EX4S59
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2900 ac
Curve Number:	85.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B60

Scenario:	Scenario1
Node:	EX4S60
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3300 ac
Curve Number:	87.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B61

Scenario:	Scenario1
Node:	EX4S61
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7000 ac
Curve Number:	86.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B62

Scenario:	Scenario1
Node:	EX4S62
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B63

Scenario:	Scenario1
Node:	EX4S63
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2800 ac
Curve Number:	68.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B63 - OFFSITE

Scenario:	Scenario1
Node:	EX4S63
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.4800 ac
Curve Number:	71.4
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment: Includes offsite area

Simple Basin: 4B64

Scenario:	Scenario1
Node:	EX4S64
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9300 ac
Curve Number:	62.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B65

Scenario:	Scenario1
Node:	EX4S65
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B66

Scenario:	Scenario1
Node:	EX4S66
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B67

Scenario:	Scenario1
Node:	EX4S67
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0800 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B68

Scenario:	Scenario1
Node:	EX4S68
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B69 - OFFSITE

Scenario:	Scenario1
Node:	EX4S69
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.4600 ac
Curve Number:	58.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Includes offsite area

Simple Basin: 4B70

Scenario:	Scenario1
Node:	EX4S70
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2000 ac
Curve Number:	85.9
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B70 - OFFSITE

Scenario:	Scenario1
Node:	EX4S70
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7000 ac
Curve Number:	63.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B71

Scenario:	Scenario1
Node:	EX4S71
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4600 ac
Curve Number:	88.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B71 - OFFSITE

Scenario:	Scenario1
Node:	EX4S71
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.4300 ac
Curve Number:	66.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B72

Scenario:	Scenario1
Node:	EX4S72
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3600 ac
Curve Number:	88.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B72 - OFFSITE

Scenario:	Scenario1
Node:	EX4S72
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8600 ac
Curve Number:	67.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B73

Scenario:	Scenario1
Node:	EX4S73
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4300 ac
Curve Number:	89.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B73 - OFFSITE

Scenario:	Scenario1
Node:	EX4S73
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4800 ac
Curve Number:	65.4
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B74

Scenario:	Scenario1
Node:	EX4S74
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3600 ac
Curve Number:	86.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B74 - OFFSITE

Scenario:	Scenario1
Node:	EX4S74
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7100 ac
Curve Number:	56.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B75

Scenario:	Scenario1
Node:	EX4S75
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B76

Scenario:	Scenario1
Node:	EX4S76
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B78

Scenario:	Scenario1
Node:	EX4S78
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B79

Scenario:	Scenario1
Node:	EX4S79
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B80

Scenario:	Scenario1
Node:	EX4S80
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B81

Scenario:	Scenario1
Node:	EX4S81
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B83

Scenario:	Scenario1
Node:	EX4S83
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B84_1

Scenario:	Scenario1
Node:	EX4S84
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B84_2

Scenario:	Scenario1
Node:	EX4S84
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.5700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B85_1

Scenario:	Scenario1
Node:	EX4S85
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B85_2

Scenario:	Scenario1
Node:	EX4S85
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B86

Scenario:	Scenario1
Node:	EX4S86
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B87

Scenario:	Scenario1
Node:	EX4S87
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B90_1

Scenario:	Scenario1
Node:	POND401
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.6400 ac
Curve Number:	56.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B90_1 - OFFSITE

Scenario:	Scenario1
Node:	POND401
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.7600 ac
Curve Number:	69.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B90_2

Scenario:	Scenario1
Node:	POND401
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3300 ac
Curve Number:	71.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B90_2 - OFFSITE

Scenario:	Scenario1
Node:	POND401
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0100 ac
Curve Number:	58.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B91

Scenario:	Scenario1
Node:	EX4S91+A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0200 ac
Curve Number:	80.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B92

Scenario:	Scenario1
Node:	EX4S92
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B93

Scenario:	Scenario1
Node:	EX4S93
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B94

Scenario:	Scenario1
Node:	EX4S94
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B95

Scenario:	Scenario1
Node:	EX4S95
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2600 ac
Curve Number:	77.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B96

Scenario:	Scenario1
Node:	EX4S96
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1400 ac
Curve Number:	65.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B97

Scenario:	Scenario1
Node:	EX4S97
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B98

Scenario:	Scenario1
Node:	EX4S98
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9900 ac
Curve Number:	82.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B99

Scenario:	Scenario1
Node:	EX4S99
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2200 ac
Curve Number:	71.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B01

Scenario:	Scenario1
Node:	EX5S01
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2100 ac
Curve Number:	60.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B02

Scenario:	Scenario1
Node:	EX5S02
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B03

Scenario:	Scenario1
Node:	EX5S03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B04-OFFSITE

Scenario:	Scenario1
Node:	EX5S04
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9500 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B04_1

Scenario:	Scenario1
Node:	EX5S04
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2200 ac
Curve Number:	61.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B04_2

Scenario:	Scenario1
Node:	EX5S04
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5600 ac
Curve Number:	64.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B05

Scenario:	Scenario1
Node:	EX5S05
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3800 ac
Curve Number:	60.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B06

Scenario:	Scenario1
Node:	EX5S06
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B07

Scenario:	Scenario1
Node:	EX5S07
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B08

Scenario:	Scenario1
Node:	EX5S08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4500 ac
Curve Number:	59.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B09

Scenario:	Scenario1
Node:	EX5S09
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3900 ac
Curve Number:	60.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B10

Scenario:	Scenario1
Node:	EX5S10
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B11

Scenario:	Scenario1
Node:	EX5S11
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B12

Scenario:	Scenario1
Node:	EX5S12
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2600 ac
Curve Number:	58.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B13

Scenario:	Scenario1
Node:	EX5S13
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B14

Scenario:	Scenario1
Node:	EX5S14
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0200 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B15

Scenario:	Scenario1
Node:	EX5S15
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3200 ac
Curve Number:	62.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B16

Scenario:	Scenario1
Node:	EX5S16
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B17

Scenario:	Scenario1
Node:	EX5S17
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B18

Scenario:	Scenario1
Node:	EX5S18
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2200 ac
Curve Number:	61.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B19

Scenario:	Scenario1
Node:	EX5S19
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B20A

Scenario:	Scenario1
Node:	CH5_1+A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0500 ac
Curve Number:	60.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B20B

Scenario:	Scenario1
Node:	CH5_1+B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0800 ac
Curve Number:	62.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B20C

Scenario:	Scenario1
Node:	CH5_1+C
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0700 ac
Curve Number:	63.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B20D

Scenario:	Scenario1
Node:	CH5_1+D
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0600 ac
Curve Number:	64.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B20E

Scenario:	Scenario1
Node:	CH5_1+E
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0500 ac
Curve Number:	60.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B20F

Scenario:	Scenario1
Node:	CH5_1+F
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0500 ac
Curve Number:	60.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B21

Scenario:	Scenario1
Node:	EX5S21
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7800 ac
Curve Number:	66.1
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B22

Scenario:	Scenario1
Node:	EX5S22
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B22A

Scenario:	Scenario1
Node:	EX5S22A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B23

Scenario:	Scenario1
Node:	EX5S23
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B24

Scenario:	Scenario1
Node:	EX5S24
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B24A

Scenario:	Scenario1
Node:	EX5S24A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B25

Scenario:	Scenario1
Node:	EX5S25
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B26

Scenario:	Scenario1
Node:	EX5S26
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B27

Scenario:	Scenario1
Node:	EX5S27
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B28

Scenario:	Scenario1
Node:	EX5S28
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B29

Scenario:	Scenario1
Node:	EX5S29
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B30

Scenario:	Scenario1
Node:	EX5S30
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B31

Scenario:	Scenario1
Node:	EX5S31
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B32

Scenario:	Scenario1
Node:	EX5S32
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B33

Scenario:	Scenario1
Node:	EX5S33
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct: 0.00
Rainfall Name:

Comment:

Node: 4GW1

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 4GW2

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 4GW3

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 4GW4

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 4GW5

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 5GW1

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 5GW2

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 5GW3

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 5GW4

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 5GW5

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 5GW6

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 5GW7

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: CH4_1+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.45 ft
Warning Stage: 6.95 ft

Stage [ft]	Area [ac]	Area [ft2]
3.45	0.0003	13
6.95	0.0003	13

Comment: Channel node - ditch block

Node: CH4_1+B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.51 ft
Warning Stage: 7.95 ft

Stage [ft]	Area [ac]	Area [ft2]
4.51	0.0003	13
7.95	0.0003	13

Comment: Channel node - ditch block

Node: CH4_1+C

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.65 ft
Warning Stage: 9.95 ft

Stage [ft]	Area [ac]	Area [ft2]
5.65	0.0003	13
9.95	0.0003	13

Comment: Channel node - ditch block

Node: CH4_1+D

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.00 ft
Warning Stage: 10.95 ft

Stage [ft]	Area [ac]	Area [ft2]
7.00	0.0003	13
10.95	0.0003	13

Comment: Channel node - ditch block

Node: CH4_1+E

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.59 ft
Warning Stage: 12.45 ft

Stage [ft]	Area [ac]	Area [ft2]
8.59	0.0003	13
12.45	0.0003	13

Comment: Channel node

Node: CH4_1+F

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.30 ft
Warning Stage: 11.95 ft

Stage [ft]	Area [ac]	Area [ft2]
9.30	0.0003	13
11.95	0.0003	13

Comment: Channel node

Node: CH4_1+G

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.32 ft
Warning Stage: 11.57 ft

Stage [ft]	Area [ac]	Area [ft2]
10.32	0.0003	13
11.57	0.0003	13

Comment: Channel node

Node: CH4_2+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.15 ft
Warning Stage: 10.09 ft

Stage [ft]	Area [ac]	Area [ft2]
4.15	0.0003	13
6.15	0.0003	13

Comment: Channel node

Node: CH4_3+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.45 ft
Warning Stage: 12.45 ft

Stage [ft]	Area [ac]	Area [ft2]
10.45	0.0003	13
12.45	0.0003	13

Comment: Channel node

Node: CH4_3+B

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 5.55 ft
Warning Stage: 9.95 ft

Stage [ft]	Area [ac]	Area [ft2]
5.55	0.0003	13
7.55	0.0003	13

Comment: Channel node

Node: CH4_4+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.32 ft
Warning Stage: 9.45 ft

Stage [ft]	Area [ac]	Area [ft2]
5.32	0.0003	13
7.35	0.0003	13

Comment: Channel node

Node: CH4_4+B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.95 ft
Warning Stage: 13.95 ft

Stage [ft]	Area [ac]	Area [ft2]
11.95	0.0003	13
13.95	0.0003	13

Comment: Channel node

Node: CH4_5+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.95 ft
Warning Stage: 19.25 ft

Stage [ft]	Area [ac]	Area [ft2]
15.95	0.0003	13
19.25	0.0003	13

Comment: Channel node

Node: CH4_5+B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.25 ft
Warning Stage: 8.45 ft

Stage [ft]	Area [ac]	Area [ft2]
6.25	0.0003	13
8.25	0.0003	13

Comment: Channel node

Node: CH4_6+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.55 ft
Warning Stage: 10.45 ft

Stage [ft]	Area [ac]	Area [ft2]
5.55	0.0003	13
7.55	0.0003	13

Comment: Channel node

Node: CH4_6+B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.75 ft
Warning Stage: 12.45 ft

Stage [ft]	Area [ac]	Area [ft2]
9.75	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
12.45	0.0003	13

Comment: Channel node

Node: CH4_7+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.65 ft
Warning Stage: 9.95 ft

Stage [ft]	Area [ac]	Area [ft2]
6.65	0.0003	13
8.65	0.0003	13

Comment: D/S of 15" pipe from S-110

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: CH4_8+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.00 ft
Warning Stage: 10.45 ft

Stage [ft]	Area [ac]	Area [ft2]
7.00	0.0003	13
7.50	0.0003	13

Comment: Channel node

Node: CH4_8+B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.40 ft
Warning Stage: 8.40 ft

Stage [ft]	Area [ac]	Area [ft2]
6.40	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
8.40	0.0003	13

Comment: Channel node

Node: CH4_9+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.20 ft
Warning Stage: 8.20 ft

Stage [ft]	Area [ac]	Area [ft2]
6.20	0.0003	13
8.20	0.0003	13

Comment: Channel node

Node: CH5_1+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.25 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
6.45	0.0003	13
6.46	0.0000	1

Comment: DBI TYPE "D"
Inlet located in SWALE E

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-20

Node: CH5_1+B

Scenario: Scenario1

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.15 ft
Warning Stage: 9.00 ft

Comment: GHOST NODE

Originally EX5S20-A

Node: CH5_1+C

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.15 ft
Warning Stage: 9.45 ft

Comment: GHOST NODE

Originally EX5S20-B

Node: CH5_1+D

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.95 ft
Warning Stage: 9.35 ft

Comment: GHOST NODE

Originally EX5S20-C

Node: CH5_1+E

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.55 ft

Warning Stage: 9.38 ft

Comment: GHOST NODE

Originally EX5S20-D

Node: CH5_1+F

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.65 ft
Warning Stage: 9.07 ft

Comment: GHOST NODE

Originally EX5S20-E

Node: EX4S02

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 10.90 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
10.90	0.0003	13
10.91	0.0030	131

Comment: S-77A

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S03+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft

Warning Stage: 5.45 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.55	0.0003	13
5.45	0.0003	13

Comment: S-77 Control Structure

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S03+B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 5.45 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.55	0.0003	13
5.45	0.0003	13

Comment: S-77 Control Structure

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S04

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 8.11 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
8.11	0.0003	13
8.12	0.0030	131

Comment: S-80

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S05

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.12 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
7.12	0.0003	13
7.13	0.0030	131

Comment: S-79

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S06

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 4.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.08	0.0003	13
4.95	0.0003	13

Comment: S-78

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S07

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 6.96 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
6.96	0.0003	13
6.97	0.0030	131

Comment: S-82A

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S08

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 5.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.61	0.0003	13
5.95	0.0003	13

Comment: S-81

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S09

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 6.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.59	0.0003	13
6.95	0.0003	13

Comment: S-83

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S10

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.03 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
7.03	0.0003	13
7.04	0.0030	131

Comment: S-82

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S101

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.95 ft
Warning Stage: 6.45 ft

Stage [ft]	Area [ac]	Area [ft2]
2.95	0.0003	13
6.45	0.0003	13

Comment: S-74

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S102

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.70 ft
Warning Stage: 12.64 ft

Stage [ft]	Area [ac]	Area [ft2]
9.70	0.0003	13
12.64	0.0003	13
12.65	0.0030	131

Comment: S-75

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S104

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.62 ft
Warning Stage: 16.95 ft

Stage [ft]	Area [ac]	Area [ft2]
10.62	0.0003	13
16.95	0.0003	13
16.96	0.0030	131

Comment: S-76

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S106

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.65 ft
Warning Stage: 24.00 ft

Stage [ft]	Area [ac]	Area [ft2]
17.65	0.0003	13
24.00	0.0003	13

Comment: Existing Structure 81A

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S107

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.65 ft
Warning Stage: 30.00 ft

Stage [ft]	Area [ac]	Area [ft2]
24.65	0.0003	13
30.00	0.0003	13

Comment: Existing Structure 79A

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S108

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.75 ft
Warning Stage: 21.00 ft

Stage [ft]	Area [ac]	Area [ft2]
17.75	0.0003	13
21.00	0.0003	13

Comment: Existing Structure 81 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S109

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.75 ft
Warning Stage: 28.00 ft

Stage [ft]	Area [ac]	Area [ft2]
24.75	0.0003	13
28.00	0.0003	13

Comment: Existing Structure 80 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S11

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.00 ft
Warning Stage: 10.25 ft

Stage [ft]	Area [ac]	Area [ft2]
9.00	0.0003	13
10.25	0.0003	13

Comment: HW for existing 18"

Node: EX4S12

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.60 ft
Warning Stage: 7.45 ft

Stage [ft]	Area [ac]	Area [ft2]
2.60	0.0003	13
7.45	0.0003	13

Comment: S-84

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S14

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.50 ft
Warning Stage: 11.75 ft

Stage [ft]	Area [ac]	Area [ft2]
10.50	0.0001	4
11.75	0.0001	4

Comment: Existing HW node

Node: EX4S15

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 22.50 ft
Warning Stage: 27.50 ft

Stage [ft]	Area [ac]	Area [ft2]
22.50	0.0003	13
27.50	0.0003	13
27.51	0.0030	131

Comment: S-92

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S16

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.70 ft
Warning Stage: 11.38 ft

Stage [ft]	Area [ac]	Area [ft2]
4.70	0.0003	13
11.38	0.0003	13
11.39	0.0030	131

Comment: S-85

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S17

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.55 ft
Warning Stage: 11.51 ft

Stage [ft]	Area [ac]	Area [ft2]
4.55	0.0003	13
11.51	0.0003	13
11.52	0.0030	131

Comment: S-86

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S18

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.95 ft
Warning Stage: 12.28 ft

Stage [ft]	Area [ac]	Area [ft2]
6.95	0.0003	13
12.28	0.0003	13
12.29	0.0030	131

Comment: S-87

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S19

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.45 ft
Warning Stage: 16.07 ft

Stage [ft]	Area [ac]	Area [ft2]
12.45	0.0003	13
16.07	0.0003	13
16.08	0.0030	131

Comment: S-88

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S20

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 22.95 ft
Warning Stage: 26.30 ft

Stage [ft]	Area [ac]	Area [ft2]
22.95	0.0003	13
26.30	0.0003	13
26.31	0.0030	131

Comment: S-89

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S21

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 27.05 ft
Warning Stage: 30.00 ft

Stage [ft]	Area [ac]	Area [ft2]
27.05	0.0003	13
30.00	0.0003	13

Comment: Existing Structure 65 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S22

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.05 ft
Warning Stage: 24.00 ft

Stage [ft]	Area [ac]	Area [ft2]
20.05	0.0003	13
24.00	0.0003	13

Comment: Existing Structure 67

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S23

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.25 ft
Warning Stage: 19.00 ft

Stage [ft]	Area [ac]	Area [ft2]
15.25	0.0003	13
19.00	0.0003	13

Comment: Existing Structure 69 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S24

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.45 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.45	0.0003	13
11.00	0.0003	13

Comment: Existing Structure 74 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S25

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.75 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.75	0.0003	13
11.00	0.0003	13

Comment: Existing Structure 77 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S26

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.85 ft
Warning Stage: 28.00 ft

Stage [ft]	Area [ac]	Area [ft2]
25.85	0.0003	13
28.00	0.0003	13

Comment: Existing Structure 64 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S27

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.05 ft
Warning Stage: 23.00 ft

Stage [ft]	Area [ac]	Area [ft2]
20.05	0.0003	13
23.00	0.0003	13

Comment: Existing Structure 66 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S28

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.75 ft
Warning Stage: 18.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.75	0.0003	13
18.00	0.0003	13

Comment: Existing Structure 68 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S29

Scenario: Scenario1

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.15 ft
Warning Stage: 16.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.15	0.0003	13
16.00	0.0003	13

Comment: Existing Structure 71 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S30

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.55 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.55	0.0003	13
14.00	0.0003	13

Comment: Existing Structure 73 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S31

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.25 ft
Warning Stage: 13.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.25	0.0003	13
13.00	0.0003	13

Comment: Existing Structure 74 (DS)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S32

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.75 ft
Warning Stage: 13.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.75	0.0003	13
13.00	0.0003	13

Comment: Existing Structure 76 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S33

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.95 ft
Warning Stage: 12.70 ft

Stage [ft]	Area [ac]	Area [ft2]
6.95	0.0003	13
12.70	0.0003	13

Comment: Existing Structure 77 and 76 (DS)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S35

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 5.68 ft
Warning Stage: 9.95 ft

Stage [ft]	Area [ac]	Area [ft2]
5.68	0.0001	4
7.68	0.0001	4

Comment: S-93

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S36

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.45 ft
Warning Stage: 9.52 ft

Stage [ft]	Area [ac]	Area [ft2]
5.45	0.0001	4
9.52	0.0001	4

Comment: S-99

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S37

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.65 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.65	0.0003	13
10.00	0.0003	13
10.20	0.3600	15682

Comment: Existing Structure 115 (DS)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S38

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.55 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.55	0.0003	13
10.00	0.0003	13
10.20	0.2600	11326

Comment: Existing Structure 117 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S39

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.45 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.45	0.0003	13
11.00	0.0003	13
11.20	0.3200	13939

Comment: Existing Structure 119 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S40

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.35 ft
Warning Stage: 12.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.35	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
12.00	0.0003	13
12.20	0.1800	7841

Comment: Existing Structure 121 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S41

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.25 ft
Warning Stage: 12.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.25	0.0003	13
12.00	0.0003	13
12.20	0.1000	4356

Comment: Existing Structure 123 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S42

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.15 ft
Warning Stage: 13.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.15	0.0003	13
13.00	0.0003	13
13.20	0.5700	24829

Comment: Existing Structure 122 (DS)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S43

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.15 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.15	0.0021	91
7.15	0.0021	91
7.16	0.0003	13
11.00	0.0003	13
11.01	0.0031	135

Comment: Existing Structure b/t 124 & 126

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S43A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.15 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.15	0.0019	83
7.15	0.0019	83
7.16	0.0003	13
11.00	0.0003	13
11.01	0.0031	135

Comment:

Node: EX4S44

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.45 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.45	0.0008	35

Stage [ft]	Area [ac]	Area [ft2]
7.45	0.0008	35
7.46	0.0003	13
11.00	0.0003	13
11.01	0.0031	135

Comment: Existing Structure 127

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S45

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.45 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.45	0.0048	209
7.45	0.0048	209
7.46	0.0003	13
11.00	0.0003	13
11.01	0.0031	135

Comment: Existing Structure b/t 127 & 129 (use 129)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S46

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 8.83 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
8.83	0.0003	13
8.84	0.0030	131

Comment: S-94

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S46A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.45 ft
Warning Stage: 10.90 ft

Stage [ft]	Area [ac]	Area [ft2]
4.45	0.0003	13
10.90	0.0003	13
10.91	0.0030	131

Comment: S-94A

Node: EX4S47

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.90 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
9.90	0.0003	13
9.91	0.0030	131

Comment: S-100

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S48

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.98 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
9.98	0.0003	13
9.99	0.0030	131

Comment: S-96

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S49

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.23 ft
Warning Stage: 10.45 ft

Stage [ft]	Area [ac]	Area [ft2]
5.23	0.0001	4
7.73	0.0001	4

Comment: S-90

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S50

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 8.91 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.05	0.0003	13
8.91	0.0003	13
8.92	0.0030	131

Comment: S-91

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S50A

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 5.42 ft
Warning Stage: 8.42 ft

Stage [ft]	Area [ac]	Area [ft2]
5.42	0.0003	13
8.42	0.0003	13

Comment:

Node: EX4S51

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.95 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.95	0.0003	13
11.00	0.0003	13
11.20	0.9600	41818

Comment: Existing Structure 142 (DS)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S51A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.45 ft
Warning Stage: 8.45 ft

Stage [ft]	Area [ac]	Area [ft2]
5.45	0.0003	13
8.45	0.0003	13
8.46	0.0030	131

Comment:

Node: EX4S52

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.95 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.95	0.0050	218
6.95	0.0050	218
6.96	0.0003	13
11.00	0.0003	13
11.01	0.0031	135

Comment: Existing Structure 140 (DS)
DS elevation of 139.

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S53

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.95 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.95	0.0050	218
6.95	0.0050	218
6.96	0.0003	13
11.00	0.0003	13
11.01	0.0031	135

Comment: Existing Structure b/t 136 & 138

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S54

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 4.95 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.95	0.0003	13
11.00	0.0003	13
11.20	0.6900	30056

Comment: Existing Structure b/t 133 & 136

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S55

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.45 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.45	0.0003	13
11.00	0.0003	13
11.20	0.1300	5663

Comment: Existing Structure 132

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S56

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.85 ft
Warning Stage: 9.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.85	0.0003	13
9.00	0.0003	13
9.20	0.2000	8712

Comment: South of Existing Structure 132. Elevation estimated.

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S57

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.25 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.25	0.0003	13
10.00	0.0003	13
10.20	2.9500	128502

Comment: Existing Structure 115 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S58

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.85 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.85	0.0003	13
11.00	0.0003	13
11.20	0.5400	23522

Comment: Existing Structure 118 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S59

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.85 ft
Warning Stage: 13.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.85	0.0003	13
13.00	0.0003	13
13.20	0.2900	12632

Comment: Existing Structure 122 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S60

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.70 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.70	0.0003	13
13.00	0.0003	13
11.20	0.3300	14375

Comment: Existing Structure 125 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S61

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.05 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.05	0.0003	13
12.00	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
11.20	0.7000	30492

Comment: Existing Structure 128 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S62

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 8.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
8.86	0.0003	13
8.89	0.0030	131

Comment: S-103

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S63

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.48 ft
Warning Stage: 8.48 ft

Stage [ft]	Area [ac]	Area [ft2]
6.48	0.0003	13
8.48	0.0003	13

Comment: S-104

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S64

Scenario: Scenario1

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.15 ft
Warning Stage: 8.95 ft

Stage [ft]	Area [ac]	Area [ft2]
6.15	0.0001	4
8.22	0.0001	4

Comment: S-101

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S65

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.90 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
9.90	0.0003	13
9.91	0.0030	131

Comment: S-102

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S66

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.98 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
9.98	0.0003	13
9.99	0.0030	131

Comment: S-98

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S67

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.50 ft
Warning Stage: 8.90 ft

Stage [ft]	Area [ac]	Area [ft2]
5.50	0.0001	4
8.00	0.0001	4

Comment: S-97

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S68

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.01 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
9.01	0.0003	13
9.02	0.0030	131

Comment: S-105

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S69

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.55 ft
Warning Stage: 9.45 ft

Stage [ft]	Area [ac]	Area [ft2]
5.55	0.0001	4
8.15	0.0001	4

Comment: Upstream end of triple 30" pipe with D/S node S-106

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S69+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.75 ft
Warning Stage: 9.45 ft

Stage [ft]	Area [ac]	Area [ft2]
5.75	0.0003	13
7.33	0.0003	13

Comment: S-107 Control Structure

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S70

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.40 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.40	0.0003	13
11.00	0.0003	13
11.20	0.9000	39204

Comment: Existing Structure 142 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S71

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.70 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.70	0.0003	13
11.00	0.0003	13
11.20	2.8900	125888

Comment: Existing Structure 140 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S72

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.80 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.80	0.0003	13
12.00	0.0003	13
11.20	1.2200	53143

Comment: Existing Structure 137 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S73

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.15 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.15	0.0003	13
11.00	0.0003	13
11.20	0.9000	39204

Comment: Existing Structure 135 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S74

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.15 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.15	0.0003	13
11.00	0.0003	13
11.20	1.0700	46609

Comment: Existing Structure 134 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S75

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 22.45 ft
Warning Stage: 26.12 ft

Stage [ft]	Area [ac]	Area [ft2]
22.45	0.0003	13
26.12	0.0003	13
26.13	0.0030	131

Comment: S-109

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S76

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 22.45 ft
Warning Stage: 25.91 ft

Stage [ft]	Area [ac]	Area [ft2]
22.45	0.0003	13
25.91	0.0003	13
25.92	0.0030	131

Comment: S-108

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S78

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.45 ft
Warning Stage: 20.72 ft

Stage [ft]	Area [ac]	Area [ft2]
13.45	0.0003	13
20.72	0.0003	13
20.73	0.0030	131

Comment: S-110

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S79

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.73 ft
Warning Stage: 15.24 ft

Stage [ft]	Area [ac]	Area [ft2]
6.73	0.0003	13
15.24	0.0003	13
15.25	0.0030	131

Comment: S-111

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S80

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.75 ft

Warning Stage: 12.87 ft

Stage [ft]	Area [ac]	Area [ft2]
6.75	0.0003	13
12.87	0.0003	13
12.88	0.0030	131

Comment: S-113

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S80A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.45 ft
Warning Stage: 10.70 ft

Stage [ft]	Area [ac]	Area [ft2]
5.45	0.0003	13
10.70	0.0003	13

Comment: S-112

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S81

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.00 ft
Warning Stage: 11.22 ft

Stage [ft]	Area [ac]	Area [ft2]
6.00	0.0003	13
11.22	0.0003	13
11.23	0.0030	131

Comment: S-114

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S82

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.70 ft
Warning Stage: 8.70 ft

Stage [ft]	Area [ac]	Area [ft2]
5.70	0.0003	13
8.70	0.0003	13

Comment: S-115

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S83

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.10 ft
Warning Stage: 9.48 ft

Stage [ft]	Area [ac]	Area [ft2]
6.10	0.0003	13
9.48	0.0003	13
9.49	0.0030	131

Comment: S-117

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S84

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.23 ft
Warning Stage: 9.85 ft

Stage [ft]	Area [ac]	Area [ft2]
6.23	0.0003	13
9.85	0.0003	13
9.86	0.0030	131

Comment: S-116

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S85

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.25 ft
Warning Stage: 9.45 ft

Stage [ft]	Area [ac]	Area [ft2]
6.25	0.0003	13
9.45	0.0003	13
9.46	0.0030	131

Comment: S-118

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S86

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.50 ft
Warning Stage: 9.58 ft

Stage [ft]	Area [ac]	Area [ft2]
6.50	0.0003	13
9.58	0.0003	13
9.59	0.0030	131

Comment: S-119

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S87

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.00	0.0003	13
10.00	0.0003	13
10.01	0.0030	131

Comment: Existing Structure - information estimated

Node: EX4S91+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 4.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.05	0.0003	13
4.95	0.0003	13

Comment: S-67 Control Structure

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S91+B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 4.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.05	0.0003	13
4.95	0.0003	13

Comment: S-67 Control Structure

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S92

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft

Warning Stage: 6.74 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
6.74	0.0003	13
6.75	0.0030	131

Comment: S-69

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S93

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 10.20 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
10.20	0.0003	13
10.21	0.0030	131

Comment: S-67A

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S94

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.99 ft
Warning Stage: 8.39 ft

Stage [ft]	Area [ac]	Area [ft2]
1.99	0.0003	13
8.39	0.0003	13
8.40	0.0030	131

Comment: S-70

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S95

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 4.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.55	0.0003	13
4.95	0.0003	13

Comment: S-67B

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S96

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 4.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.99	0.0003	13
4.95	0.0003	13

Comment: S-68

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S97

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 6.70 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
6.70	0.0003	13
6.71	0.0030	131

Comment: S-72

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S98

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 5.45 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.22	0.0003	13
5.45	0.0003	13

Comment: S-71

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S99

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 5.85 ft

Stage [ft]	Area [ac]	Area [ft2]
0.33	0.0003	13
5.85	0.0003	13

Comment: S-73

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX5S01

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.65 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.55	0.0036	157
4.65	0.0036	157
4.75	0.0003	13
6.65	0.0003	13
6.66	0.0030	131

Comment: Inlet located in SWALE W1

DBI TYPE "D"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-01

Node: EX5S02

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.35 ft
Warning Stage: 9.79 ft

Stage [ft]	Area [ac]	Area [ft2]
2.35	0.0003	12
9.79	0.0003	12
9.80	0.0000	1

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-02

Node: EX5S03

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.35 ft
Warning Stage: 9.79 ft

Stage [ft]	Area [ac]	Area [ft2]
2.35	0.0003	12
9.79	0.0003	12
9.80	0.0000	1

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-03

Node: EX5S04

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.55	0.0036	157
4.65	0.0036	157
4.75	0.0003	13
6.65	0.0003	13
6.66	0.0030	131

Comment: Inlet located in SWALE E

DBI TYPE "D"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-04

Node: EX5S05

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.55	0.0036	157
4.65	0.0036	157
4.75	0.0003	13
6.65	0.0003	13
6.66	0.0030	131

Comment: Inlet located in SWALE W1

DBI TYPE "D"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-05

Node: EX5S06

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.35 ft
Warning Stage: 9.87 ft

Stage [ft]	Area [ac]	Area [ft2]
2.35	0.0003	12
9.87	0.0003	12
9.88	0.0000	1

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-06

Node: EX5S07

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	12
6.65	0.0003	12
6.66	0.0000	1

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-07

Node: EX5S08

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.55	0.0036	157
4.65	0.0036	157
4.75	0.0003	13
6.65	0.0003	13
6.66	0.0030	131

Comment: Inlet located in SWALE E

DBI TYPE "D"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-08

Node: EX5S09

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.55	0.0036	157
4.65	0.0036	157
4.75	0.0003	13
6.65	0.0003	13
6.66	0.0030	131

Comment: Inlet located in SWALE W1

DBI TYPE "D"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-09

Node: EX5S10

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.35 ft
Warning Stage: 9.93 ft

Stage [ft]	Area [ac]	Area [ft2]
2.35	0.0003	12
9.93	0.0003	12
9.94	0.0000	1

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-10

Node: EX5S11

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.35 ft
Warning Stage: 9.93 ft

Stage [ft]	Area [ac]	Area [ft2]
2.35	0.0003	12
9.93	0.0003	12
9.94	0.0000	1

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-11

Node: EX5S12

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.55	0.0036	157
4.65	0.0036	157
4.75	0.0003	13
6.65	0.0003	13
6.66	0.0030	131

Comment: Inlet located in SWALE E

DBI TYPE "D"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-12

Node: EX5S13

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.05 ft
Warning Stage: 9.95 ft

Stage [ft]	Area [ac]	Area [ft2]
3.05	0.0003	12
9.95	0.0003	12
9.96	0.0000	1

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-13

Node: EX5S14

Scenario: Scenario1

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.65 ft
Warning Stage: 8.75 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.35	0.0003	13
7.95	0.0003	13
7.96	0.0000	1

Comment: Inlet located in SWALE E

DBI TYPE "D"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-14

Node: EX5S15

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 10.25 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.55	0.0029	126
4.65	0.0029	126
4.75	0.0003	13
6.65	0.0003	13
6.66	0.0030	131

Comment: Inlet located in SWALE W1

DBI TYPE "D"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-15

Node: EX5S16

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.35 ft
Warning Stage: 9.98 ft

Stage [ft]	Area [ac]	Area [ft2]
2.35	0.0003	12
9.98	0.0003	12
9.99	0.0000	1

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-16

Node: EX5S17

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.55 ft
Warning Stage: 9.99 ft

Stage [ft]	Area [ac]	Area [ft2]
3.55	0.0003	12
9.99	0.0003	12
10.00	0.0000	1

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-17

Node: EX5S18

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 8.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.55	0.0023	100
4.65	0.0023	100
4.75	0.0003	13
6.45	0.0003	13
6.46	0.0030	131

Comment: Inlet located in SWALE E

DBI TYPE "D"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-18

Node: EX5S19

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.75 ft
Warning Stage: 10.47 ft

Stage [ft]	Area [ac]	Area [ft2]
2.75	0.0006	26
10.47	0.0003	12
10.48	0.0000	1

Comment: BWI on Bottom "J" (84"x44")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-19

Node: EX5S21

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.35 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.55	0.0036	157
4.65	0.0036	157
4.75	0.0003	13
6.65	0.0003	13
6.66	0.0030	131

Comment: DBI TYPE "D"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-21

Node: EX5S22

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.35 ft
Warning Stage: 10.42 ft

Stage [ft]	Area [ac]	Area [ft2]
2.35	0.0003	12
10.42	0.0003	12
10.43	0.0000	1

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-03

Node: EX5S22A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.95 ft
Warning Stage: 10.67 ft

Stage [ft]	Area [ac]	Area [ft2]
2.95	0.0006	26
10.67	0.0003	12

Stage [ft]	Area [ac]	Area [ft2]
10.68	0.0000	1

Comment: BWI on Bottom "J" (84"x44")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-22A

Node: EX5S23

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.15 ft
Warning Stage: 10.87 ft

Stage [ft]	Area [ac]	Area [ft2]
3.15	0.0007	29
10.87	0.0003	12
10.88	0.0000	1

Comment: BWI on Bottom "J" (96"x44")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-23

Node: EX5S24

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.35 ft
Warning Stage: 10.95 ft

Stage [ft]	Area [ac]	Area [ft2]
3.35	0.0007	29
10.95	0.0003	12
10.96	0.0000	1

Comment: BWI on Bottom "J" (96"x44")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-24

Node: EX5S24A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.25 ft
Warning Stage: 11.06 ft

Stage [ft]	Area [ac]	Area [ft2]
4.50	0.0006	26
11.06	0.0003	12
11.07	0.0000	1

Comment: BWI on Bottom "J" (84"x44")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-24A

Node: EX5S25

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.45 ft
Warning Stage: 11.28 ft

Stage [ft]	Area [ac]	Area [ft2]
3.45	0.0006	26
11.28	0.0006	26
11.29	0.0001	3

Comment: BWI on Bottom "J" (84"x44")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-25

Node: EX5S26

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.65 ft
Warning Stage: 11.55 ft

Stage [ft]	Area [ac]	Area [ft2]
3.65	0.0006	26
11.55	0.0003	12
11.56	0.0000	1

Comment: BWI on Bottom "J" (84"x44")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-26

Node: EX5S27

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.35 ft
Warning Stage: 11.54 ft

Stage [ft]	Area [ac]	Area [ft2]
4.35	0.0007	29
11.54	0.0003	12
11.55	0.0000	1

Comment: BWI on Bottom "J" (96"x44")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-27

Node: EX5S28

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.85 ft
Warning Stage: 12.37 ft

Stage [ft]	Area [ac]	Area [ft2]
5.85	0.0003	12
12.87	0.0003	12
12.88	0.0000	1

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-28

Node: EX5S29

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.45 ft
Warning Stage: 11.74 ft

Stage [ft]	Area [ac]	Area [ft2]
4.45	0.0006	26
11.74	0.0003	12
11.75	0.0000	1

Comment: BWI on Bottom "J" (84"x44")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-29

Node: EX5S30

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.95 ft
Warning Stage: 12.45 ft

Stage [ft]	Area [ac]	Area [ft2]
5.95	0.0003	12
12.45	0.0003	12
12.46	0.0000	1

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-30

Node: EX5S31

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.95 ft
Warning Stage: 12.31 ft

Stage [ft]	Area [ac]	Area [ft2]
4.95	0.0007	29
12.31	0.0003	12
12.32	0.0000	1

Comment: BWI on Bottom "J" (96"x44")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-31

Node: EX5S32

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.45 ft
Warning Stage: 13.06 ft

Stage [ft]	Area [ac]	Area [ft2]
6.45	0.0003	12
13.06	0.0003	12
13.07	0.0000	1

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-32

Node: EX5S33

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.45 ft
Warning Stage: 12.66 ft

Stage [ft]	Area [ac]	Area [ft2]
5.45	0.0007	29
12.66	0.0003	12
12.67	0.0000	1

Comment: BWI on Bottom "J" (96"x44")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-33

Node: O401

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 3.45 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	96.0000	1.45

Comment: S-77

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: O402

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 3.45 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45

Year	Month	Day	Hour	Stage [ft]
0	0	0	96.0000	1.45

Comment: S-67

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: POND401

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.45 ft
Warning Stage: 9.95 ft

Stage [ft]	Area [ac]	Area [ft2]
2.45	0.8100	35284
3.45	0.9000	39204
4.45	1.0000	43560
5.45	1.0800	47045
6.45	1.1800	51401
7.45	1.2700	55321
7.95	1.3100	57064
8.45	1.3500	58806
9.45	1.4000	60984
9.95	1.4400	62726

Comment: Permit No. 13-00791-S
Pond 8 Stage-Area

Node: SWALE 4E1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.45 ft
Warning Stage: 8.17 ft

Stage [ft]	Area [ac]	Area [ft2]
4.45	0.4800	20909
8.17	0.9200	40075

Comment: S-83A

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: SWALE 4W1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.75 ft
Warning Stage: 7.45 ft

Stage [ft]	Area [ac]	Area [ft2]
4.75	0.1300	5663
7.45	0.3300	14375

Comment: S-73A

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Channel Link: CH4_1+SEC1

		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.45 ft	Invert:	2.95 ft
From Node:	CH4_1+A	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	EX4S101	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	4.00 ft	Bottom Width:	4.00 ft
Length:	280.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 4' bottom width ditch at 0.25%
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Channel Link: CH4_1+SEC2

		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.51 ft	Invert:	3.45 ft
From Node:	CH4_1+B	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH4_1+A	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal

		Upstream		Downstream	
Damping:	0.0000 ft	Bottom Width:	4.00 ft	Bottom Width:	4.00 ft
Length:	440.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 4' bottom width ditch at 0.25%
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Channel Link: CH4_1+SEC3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.65 ft	Invert:	4.51 ft
From Node:	CH4_1+C	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH4_1+B	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	4.00 ft	Bottom Width:	4.00 ft
Length:	320.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 4' bottom width ditch at 0.25%
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Channel Link: CH4_1+SEC4		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.00 ft	Invert:	5.65 ft
From Node:	CH4_1+D	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH4_1+C	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	4.00 ft	Bottom Width:	4.00 ft

Length:	560.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 4' bottom width ditch at 0.25%
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Channel Link: CH4_1+SEC5		Upstream		Downstream	
Scenario:	Scenario1	Invert:	8.59 ft	Invert:	7.00 ft
From Node:	CH4_1+E	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH4_1+D	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	4.00 ft	Bottom Width:	4.00 ft
Length:	640.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 4' bottom width ditch at 0.25%
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Channel Link: CH4_1+SEC6		Upstream		Downstream	
Scenario:	Scenario1	Invert:	9.30 ft	Invert:	8.59 ft
From Node:	CH4_1+F	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH4_1+E	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	4.00 ft	Bottom Width:	4.00 ft
Length:	200.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)

Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 3' bottom width ditch at 0.35%
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Channel Link: CH4_1+SEC7		Upstream		Downstream	
Scenario:	Scenario1	Invert:	10.32 ft	Invert:	9.30 ft
From Node:	CH4_1+G	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH4_1+F	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	0.00 ft	Bottom Width:	0.00 ft
Length:	191.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: V ditch at 0.35%
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Channel Link: CH4_2+SEC1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.09 ft	Invert:	2.60 ft
From Node:	CH4_2+A	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	EX4S12	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	2400.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)

Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.10	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 5' bottom width ditch at 0.05%
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Channel Link: CH4_2+SEC2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.45 ft	Invert:	5.42 ft
From Node:	EX4S51A	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	EX4S50A	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	0.00 ft	Bottom Width:	0.00 ft
Length:	59.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.10	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH4_2+SEC3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.42 ft	Invert:	5.09 ft
From Node:	EX4S50A	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH4_2+A	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	0.00 ft	Bottom Width:	0.00 ft
Length:	135.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft

Exit Loss Coef:	0.10	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH4_3+SEC1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	10.45 ft	Invert:	5.56 ft
From Node:	CH4_3+A	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH4_3+B	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	0.00 ft	Bottom Width:	0.00 ft
Length:	231.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.50	Bottom Clip			
Entr Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH4_3+SEC2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.56 ft	Invert:	5.52 ft
From Node:	CH4_3+B	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	EX4S36	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	6.00 ft	Bottom Width:	6.00 ft
Length:	107.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.10	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000

Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH4_3+SEC4		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.45 ft	Invert:	5.70 ft
From Node:	EX4S46A	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	EX4S46	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	0.00 ft	Bottom Width:	0.00 ft
Length:	56.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.10	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH4_3+SEC5		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.75 ft	Invert:	5.68 ft
From Node:	EX4S46	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	EX4S35	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	0.00 ft	Bottom Width:	0.00 ft
Length:	82.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.10	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	

	Ref Node:		Ref Node:
	Manning's N:	0.0000	Manning's N: 0.0000

Comment:

Channel Link: CH4_4+SEC1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.32 ft	Invert:	5.23 ft
From Node:	CH4_4+A	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	EX4S49	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	12.00 ft	Bottom Width:	12.00 ft
Length:	190.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.10	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH4_4+SEC2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	11.95 ft	Invert:	5.23 ft
From Node:	CH4_4+B	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	EX4S49	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	3.00 ft	Bottom Width:	3.00 ft
Length:	147.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.10	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH4_5+SEC1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	15.95 ft	Invert:	6.25 ft
From Node:	CH4_5+A	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH4_5+B	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	0.00 ft	Bottom Width:	0.00 ft
Length:	231.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.50	Bottom Clip			
Entr Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH4_5+SEC2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.25 ft	Invert:	6.15 ft
From Node:	CH4_5+B	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	EX4S64	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	6.00 ft	Bottom Width:	6.00 ft
Length:	121.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.10	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH4_6+SEC1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.55 ft	Invert:	5.50 ft
From Node:	CH4_6+A	Manning's N:	0.0450	Manning's N:	0.0450

		Upstream		Downstream	
To Node:	EX4S67	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	12.00 ft	Bottom Width:	12.00 ft
Length:	181.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.10	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 12' bottom width ditch at 0.05%
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Channel Link: CH4_6+SEC2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	9.75 ft	Invert:	5.55 ft
From Node:	CH4_6+B	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH4_6+A	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	0.00 ft	Bottom Width:	0.00 ft
Length:	171.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	1.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH4_6+SEC4		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.75 ft	Invert:	5.55 ft
From Node:	EX4S68	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	EX4S69	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft

Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	0.00 ft	Bottom Width:	0.00 ft
Length:	129.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.10	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH4_7+SEC1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.65 ft	Invert:	6.48 ft
From Node:	CH4_7+A	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	EX4S63	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	3.00 ft	Bottom Width:	3.00 ft
Length:	440.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.50	Bottom Clip			
Entr Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 3' bottom width ditch at 0.05%

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Channel Link: CH4_7+SEC2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.45 ft	Invert:	6.48 ft
From Node:	EX4S62	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	EX4S63	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal

Damping:	0.0000 ft	Bottom Width:	0.00 ft	Bottom Width:	0.00 ft
Length:	73.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.10	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH4_8+SEC1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.40 ft	Invert:	5.95 ft
From Node:	CH4_8+B	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH4_8+A	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	4.00 ft	Bottom Width:	4.00 ft
Length:	900.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 4' bottom width ditch at 0.05%

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Channel Link: CH4_9+SEC1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.65 ft	Invert:	6.20 ft
From Node:	CH4_9+A	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	EX4S82	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	4.00 ft	Bottom Width:	4.00 ft

Length:	2000.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 4' bottom width ditch at 0.05%

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Rating Curve Link: CH5_1+A_5GW7

Scenario: Scenario1
From Node: CH5_1+A
To Node: 5GW7
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CH5_1+A_5GW7	1.45	CH5_1+A	1.45	CH5_1+A

Comment:

Pipe Link: CH5_1+A_S18		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	CH5_1+A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S18	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	195.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0200	Manning's N:	0.0200
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0200	Manning's N:	0.0200

Comment: FD Connection
FROM FPID 249035-1-52-01 SEGMENT 1

Channel Link: CH5_1+SEC1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.15 ft	Invert:	5.65 ft
From Node:	CH5_1+B	Manning's N:	0.0600	Manning's N:	0.0600
To Node:	CH5_1+A	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.82 ft	Bottom Width:	7.20 ft
Length:	50.00 ft	Left Slope:	0.000 (h:v)	Left Slope:	2.000 (h:v)
Contraction Coef:	0.10	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0600	Manning's N:	0.0600
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0600	Manning's N:	0.0600

Comment:

Channel Link: CH5_1+SEC2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.15 ft	Invert:	6.15 ft
From Node:	CH5_1+C	Manning's N:	0.0600	Manning's N:	0.0600
To Node:	CH5_1+B	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.82 ft
Length:	100.00 ft	Left Slope:	0.000 (h:v)	Left Slope:	0.000 (h:v)
Contraction Coef:	0.10	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0600	Manning's N:	0.0600
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0600	Manning's N:	0.0600

Comment:

Channel Link: CH5_1+SEC3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.95 ft	Invert:	7.15 ft
From Node:	CH5_1+D	Manning's N:	0.0600	Manning's N:	0.0600

To Node:	CH5_1+C	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	100.00 ft	Left Slope:	0.000 (h:v)	Left Slope:	0.000 (h:v)
Contraction Coef:	0.10	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0600	Manning's N:	0.0600
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0600	Manning's N:	0.0600

Comment:

Channel Link: CH5_1+SEC4		Upstream		Downstream	
Scenario:	Scenario1	Invert:	8.55 ft	Invert:	7.95 ft
From Node:	CH5_1+E	Manning's N:	0.0600	Manning's N:	0.0600
To Node:	CH5_1+D	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	3.22 ft	Bottom Width:	5.00 ft
Length:	100.00 ft	Left Slope:	0.000 (h:v)	Left Slope:	0.000 (h:v)
Contraction Coef:	0.10	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0600	Manning's N:	0.0600
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0600	Manning's N:	0.0600

Comment:

Channel Link: CH5_1+SEC5		Upstream		Downstream	
Scenario:	Scenario1	Invert:	8.65 ft	Invert:	8.55 ft
From Node:	CH5_1+F	Manning's N:	0.0600	Manning's N:	0.0600
To Node:	CH5_1+E	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal

Damping:	0.0000 ft	Bottom Width:	3.71 ft	Bottom Width:	3.22 ft
Length:	100.00 ft	Left Slope:	0.000 (h:v)	Left Slope:	0.000 (h:v)
Contraction Coef:	0.10	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0600	Manning's N:	0.0600
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0600	Manning's N:	0.0600

Comment:

Pipe Link: EX4S02_S03		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.75 ft	Invert:	1.45 ft
From Node:	EX4S02	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S03+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-77A and S-77

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S03_O01		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-4.55 ft	Invert:	-5.05 ft
From Node:	EX4S03+B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	O401	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: dual 48" pipes D/S of S-77

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Weir Link: EX4S03_WEIR1

Scenario:	Scenario1	**Bottom Clip**	
From Node:	EX4S03+A	Default:	0.00 ft
To Node:	EX4S03+B	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	0.95 ft	**Discharge Coefficients**	
Control Elevation:	0.95 ft	Weir Default:	2.800
Max Depth:	3.83 ft	Weir Table:	
Max Width:	10.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment: Rectangular Weir Slot

Weir Link: EX4S03_WEIR2

Scenario:	Scenario1	**Bottom Clip**	
From Node:	EX4S03+A	Default:	0.00 ft
To Node:	EX4S03+B	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	1.95 ft	**Discharge Coefficients**	
Control Elevation:	1.95 ft	Weir Default:	2.800
Max Depth:	2.83 ft	Weir Table:	
Max Width:	31.33 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EX4S04_S05		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.15 ft	Invert:	1.75 ft

From Node:	EX4S04	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S05	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	48.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-80 and S-79

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S05_S06		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.50 ft	Invert:	1.42 ft
From Node:	EX4S05	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S06	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 18" Pipe between S-79 and S-78

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S06_S03		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-3.08 ft	Invert:	-3.55 ft
From Node:	EX4S06	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S03+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	6.00 ft	Max Depth:	6.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	355.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 72" Pipe between S-78 and S-77

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S07_S10		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.29 ft	Invert:	2.11 ft
From Node:	EX4S07	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S10	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	141.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-82A and S-82

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S08_S06		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.61 ft	Invert:	-3.08 ft
From Node:	EX4S08	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S06	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	6.00 ft	Max Depth:	6.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	356.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 72" Pipe between S-81 and S-78

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S09_S08		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-1.59 ft	Invert:	-2.11 ft
From Node:	EX4S09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S08	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	5.50 ft	Max Depth:	5.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	390.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 66" pipe between S-83 and S-81

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S101_4S99		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.95 ft	Invert:	2.52 ft
From Node:	EX4S101	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S99	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	172.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: dual 24" pipe between S-74 and S-73

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S102_S103	Upstream	Downstream

			Upstream		Downstream
Scenario:	Scenario1	Invert:	9.70 ft	Invert:	9.65 ft
From Node:	EX4S102	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH4_1+F	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	2.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-75

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S104_S103		Upstream		Downstream	
Scenario:	Scenario1	Invert:	10.62 ft	Invert:	10.32 ft
From Node:	EX4S104	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH4_1+G	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	60.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-88

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S105_4S99		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.45 ft	Invert:	2.70 ft
From Node:	SWALE 4W1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S99	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	62.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 30" x 19" pipe between S-73A and S-73 - length and U/S invert estimated

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S106_SWL4W1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	17.55 ft	Invert:	5.25 ft
From Node:	EX4S106	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 4W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX4S107_SWL4W1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	24.45 ft	Invert:	4.95 ft
From Node:	EX4S107	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 4W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	47.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX4S108_S106		Upstream		Downstream	
Scenario:	Scenario1	Invert:	17.75 ft	Invert:	17.55 ft
From Node:	EX4S108	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S106	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	93.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 81 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S109_S107		Upstream		Downstream	
Scenario:	Scenario1	Invert:	24.75 ft	Invert:	24.45 ft
From Node:	EX4S109	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S107	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	88.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 80 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S10_S08		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.38 ft	Invert:	1.30 ft
From Node:	EX4S10	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S08	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-82 and S-81

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S11_S12		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.95 ft	Invert:	2.95 ft
From Node:	EX4S11	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S12	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	62.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing 18" - Pipe information estimated

Pipe Link: EX4S12_S09		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.95 ft	Invert:	2.71 ft
From Node:	EX4S12	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S09	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	2	Max Depth:	2.83 ft	Max Depth:	2.83 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	144.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: dual 53" x 34" pipes between S-83 and S-84

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S14_S12		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.15 ft	Invert:	4.49 ft
From Node:	EX4S14	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S12	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	64.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 83 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S15_CH4_3+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	22.95 ft	Invert:	11.45 ft
From Node:	EX4S15	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH4_3+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	33.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-92

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S16_S12		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.70 ft	Invert:	4.65 ft
From Node:	EX4S16	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S12	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	2.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-85

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S17_S12		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.55 ft	Invert:	4.50 ft
From Node:	EX4S17	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S12	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	2.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-86

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S18_S12		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.95 ft	Invert:	4.50 ft
From Node:	EX4S18	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S12	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-87

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S19_S12		Upstream		Downstream	
Scenario:	Scenario1	Invert:	12.45 ft	Invert:	4.35 ft
From Node:	EX4S19	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S12	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	65.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-88

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S20_CH4_4+B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	22.95 ft	Invert:	11.95 ft
From Node:	EX4S20	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH4_4+B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-89

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S21_S26		Upstream		Downstream	
Scenario:	Scenario1	Invert:	27.05 ft	Invert:	25.85 ft
From Node:	EX4S21	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S26	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 65 to 64
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S22_S27		Upstream		Downstream	
Scenario:	Scenario1	Invert:	21.75 ft	Invert:	20.05 ft
From Node:	EX4S22	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S27	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 67 to 66
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S23_S28		Upstream		Downstream	
Scenario:	Scenario1	Invert:	15.25 ft	Invert:	13.75 ft
From Node:	EX4S23	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S28	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	82.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 69 to 68
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S24_S31		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.45 ft	Invert:	7.25 ft
From Node:	EX4S24	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S31	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	72.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 74 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S25_S33		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.75 ft	Invert:	7.45 ft
From Node:	EX4S25	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S33	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	125.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 77 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S26_SWL4E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	25.85 ft	Invert:	4.65 ft
From Node:	EX4S26	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 4E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	58.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 64 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S27_SWL4E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	20.25 ft	Invert:	5.15 ft
From Node:	EX4S27	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 4E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 66 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S28_SWL4E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	13.75 ft	Invert:	5.75 ft
From Node:	EX4S28	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 4E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	24.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 68 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S29_SWL4E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.15 ft	Invert:	6.05 ft
From Node:	EX4S29	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 4E1	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	69.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 71 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S30_S29		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.55 ft	Invert:	6.35 ft
From Node:	EX4S30	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S29	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	225.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 73 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S31_S30		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.25 ft	Invert:	6.55 ft
From Node:	EX4S31	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S30	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	220.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 74 DS to 73 US
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S32_S33		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.45 ft	Invert:	6.95 ft
From Node:	EX4S32	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S33	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	128.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 76 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S33_S31		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.45 ft	Invert:	7.25 ft
From Node:	EX4S33	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S31	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	136.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 77 DS to 74 DS.
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S34_S09		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.25 ft	Invert:	4.15 ft
From Node:	SWALE 4E1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S09	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	2	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 30" x 19" pipe between S-83A and S-83

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S35_CH4_3+B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.68 ft	Invert:	5.56 ft
From Node:	EX4S35	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH4_3+B	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	59.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 38" x 24" pipe D/S of S-93

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S36_CH4_4+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.52 ft	Invert:	5.32 ft
From Node:	EX4S36	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH4_4+A	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	214.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: FD Connection
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX4S37_S38		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.65 ft	Invert:	4.55 ft
From Node:	EX4S37	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S38	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	234.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 115 DS to 117 US
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S38_S39		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.55 ft	Invert:	4.45 ft
From Node:	EX4S38	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S39	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	236.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 117 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S39_S40		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.45 ft	Invert:	4.35 ft
From Node:	EX4S39	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S40	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	218.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 119 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S40_S41		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.35 ft	Invert:	4.25 ft
From Node:	EX4S40	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S41	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	223.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 121 US to 122 DS (elevations used are 121 US to DS)
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S41_S42		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.25 ft	Invert:	4.15 ft
From Node:	EX4S41	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S42	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	80.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 122 DS to 123 US (elevations used are 123 US to DS)
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S42_S43A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.25 ft	Invert:	4.15 ft
From Node:	EX4S42	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S43A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	240.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 124 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Rating Curve Link: EX4S43A_4GW1

Scenario: Scenario1
From Node: EX4S43A
To Node: 4GW1
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX4S43A_4GW1	1.45	EX4S43A	1.45	EX4S43A

Comment:

Pipe Link: EX4S43A_S43		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.15 ft	Invert:	4.15 ft
From Node:	EX4S43A	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	EX4S43	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	216.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX4S43_4GW1

Scenario: Scenario1
From Node: EX4S43
To Node: 4GW1
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX4S43_4GW1	1.45	EX4S43	1.45	EX4S43

Comment:

Rating Curve Link: EX4S43_4GW2

Scenario: Scenario1

From Node: EX4S43
To Node: 4GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX4S43_4GW2	1.45	EX4S43	1.45	EX4S43

Comment:

Pipe Link: EX4S43_S44		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.15 ft	Invert:	4.15 ft
From Node:	EX4S43	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	EX4S44	Geometry:	Rectangular	Geometry:	Rectangular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	244.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 126 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Rating Curve Link: EX4S44_4GW2

Scenario: Scenario1
From Node: EX4S44
To Node: 4GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX4S44_4GW2	1.45	EX4S44	1.45	EX4S44

Comment:

Rating Curve Link: EX4S44_4GW3

Scenario: Scenario1

From Node: EX4S44
To Node: 4GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX4S44_4GW3	1.45	EX4S44	1.45	EX4S44

Comment:

Pipe Link: EX4S44_S45		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.45 ft	Invert:	4.45 ft
From Node:	EX4S44	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	EX4S45	Geometry:	Rectangular	Geometry:	Rectangular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	98.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 127 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Rating Curve Link: EX4S45_4GW3

Scenario: Scenario1
From Node: EX4S45
To Node: 4GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX4S45_4GW3	1.45	EX4S45	1.45	EX4S45

Comment:

Rating Curve Link: EX4S45_4GW4

Scenario: Scenario1

From Node: EX4S45
To Node: 4GW4
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX4S45_4GW4	1.45	EX4S45	1.45	EX4S45

Comment:

Pipe Link: EX4S45_S46A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.45 ft	Invert:	4.45 ft
From Node:	EX4S45	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	EX4S46A	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	561.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 129 US to 131 DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Rating Curve Link: EX4S46A_4GW4
Scenario: Scenario1
From Node: EX4S46A
To Node: 4GW4
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX4S46A_4GW4	1.45	EX4S46A	1.45	EX4S46A

Comment:

Pipe Link: EX4S47_S36		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.89 ft	Invert:	6.69 ft

From Node:	EX4S47	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S36	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	33.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe between S-100 and S-99

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S48_CH4_4+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.77 ft	Invert:	6.67 ft
From Node:	EX4S48	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH4_4+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	18.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe between S-96 and S-95

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S49_S13		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.23 ft	Invert:	5.09 ft
From Node:	EX4S49	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH4_2+A	Geometry: Circular		Geometry: Circular	
Link Count:	5	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	60.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 5 - 30" pipes D/S of S-90

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S50_S50A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.47 ft	Invert:	5.42 ft
From Node:	EX4S50	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S50A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-91

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S51_S51A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.55 ft	Invert:	5.45 ft
From Node:	EX4S51	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S51A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	35.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 142 DS to 144 DS

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Rating Curve Link: EX4S52_4GW5

Scenario: Scenario1
From Node: EX4S52
To Node: 4GW5
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX4S52_4GW5	1.45	EX4S52	1.45	EX4S52

Comment:

Pipe Link: EX4S52_S51

Scenario: Scenario1
From Node: EX4S52
To Node: EX4S51
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 185.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	5.95 ft	Invert:	5.55 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	1.50 ft	Max Depth:	1.50 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: Within Existing Structure 139 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Rating Curve Link: EX4S53_4GW5

Scenario: Scenario1
From Node: EX4S53
To Node: 4GW5
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX4S53_4GW5	1.45	EX4S53	1.45	EX4S53

Comment:

Pipe Link: EX4S53_S52		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.95 ft	Invert:	3.95 ft
From Node:	EX4S53	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	EX4S52	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	580.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Within Existing Structure 136 US to DS and 138 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S54_S53		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.95 ft	Invert:	4.05 ft
From Node:	EX4S54	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S53	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	376.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 133 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S55_S54		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.45 ft	Invert:	4.95 ft
From Node:	EX4S55	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S54	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	232.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 132 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S56_S55		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.85 ft	Invert:	5.45 ft
From Node:	EX4S56	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S55	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	228.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure south of 132 to 132 US. (US invert elevation estimated).
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S57_S37		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.25 ft	Invert:	5.15 ft
From Node:	EX4S57	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S37	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	86.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 115 US to DS

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S58_S39		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.85 ft	Invert:	6.25 ft
From Node:	EX4S58	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S39	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	83.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 118 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S59_S42		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.85 ft	Invert:	7.15 ft
From Node:	EX4S59	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S42	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	91.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 122 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S60_S43		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.70 ft	Invert:	6.70 ft
From Node:	EX4S60	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S43	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	83.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 125 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S61_S45		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.05 ft	Invert:	6.15 ft
From Node:	EX4S61	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S45	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	84.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 128 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S63_CH4_5+B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.48 ft	Invert:	6.25 ft
From Node:	EX4S63	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH4_5+B	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	78.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: dual 24" pipes D/S of S-104

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S64_S36		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.15 ft	Invert:	5.95 ft
From Node:	EX4S64	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S36	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	2	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	106.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: dual 38" x 24" pipes between S-101 and S-99

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S65_S64		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.42 ft	Invert:	6.22 ft
From Node:	EX4S65	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S64	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	34.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe between S-102 and S-101

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S66_S67		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.53 ft	Invert:	6.43 ft
From Node:	EX4S66	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S67	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	20.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe between S-98 and S-97

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S67_CH4_4+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.50 ft	Invert:	5.45 ft
From Node:	EX4S67	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH4_4+A	Geometry: Circular		Geometry: Circular	
Link Count:	3	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	110.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: triple 30" pipes between S-97 and S-95

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S69+A_S69		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.75 ft	Invert:	5.65 ft
From Node:	EX4S69+A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S69	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	3	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	20.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: triple 30" x 19" pipes D/S of S-107

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S69_CH4_6+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.65 ft	Invert:	5.55 ft
From Node:	EX4S69	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH4_6+A	Geometry: Circular		Geometry: Circular	
Link Count:	3	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	54.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: triple 30" pipe U/S of S-106

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Weir Link: EX4S69_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	POND401	Default:	0.00 ft
To Node:	EX4S69+A	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	7.95 ft	Discharge Coefficients	
Control Elevation:	7.95 ft	Weir Default:	2.800
Max Depth:	12.50 ft	Weir Table:	
Max Width:	17.50 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment: S-107 Control Structure - Horizontal Weir

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S70_S51		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.40 ft	Invert:	6.20 ft
From Node:	EX4S70	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S51	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	85.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 142 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S71_S52		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.70 ft	Invert:	5.75 ft
From Node:	EX4S71	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S52	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	79.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 140 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S72_S53		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.80 ft	Invert:	6.85 ft

From Node:	EX4S72	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S53	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	79.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 137 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S73_S54		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.15 ft	Invert:	6.90 ft
From Node:	EX4S73	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S54	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	100.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 135 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S74_S54		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.15 ft	Invert:	4.95 ft
From Node:	EX4S74	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S54	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	98.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 134 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S75_CH4_5+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	22.45 ft	Invert:	15.95 ft
From Node:	EX4S75	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH4_5+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	22.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-109

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S76_CH4_6+B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	22.45 ft	Invert:	9.75 ft
From Node:	EX4S76	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH4_6+B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	34.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-108

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S78_S77		Upstream		Downstream	
Scenario:	Scenario1	Invert:	13.45 ft	Invert:	7.95 ft
From Node:	EX4S78	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH4_7+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	70.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-110

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S79_S90		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.73 ft	Invert:	6.45 ft
From Node:	EX4S79	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND401	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	42.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-111

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S80A_S82		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.70 ft	Invert:	5.75 ft
From Node:	EX4S80A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S82	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	75.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-112

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S80_S80A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.75 ft	Invert:	5.75 ft
From Node:	EX4S80	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S80A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	81.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-112

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S81_S90		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.00 ft	Invert:	5.95 ft
From Node:	EX4S81	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND401	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	2.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-114

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S82_POND401		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.70 ft	Invert:	5.37 ft
From Node:	EX4S82	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND401	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	164.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 36" pipe D/S of S-115

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S83_POND401		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.10 ft	Invert:	6.05 ft
From Node:	EX4S83	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND401	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	2.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-117

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S84_S82		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.23 ft	Invert:	6.20 ft
From Node:	EX4S84	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S82	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	2.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-116

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S85_4+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.25 ft	Invert:	6.05 ft
From Node:	EX4S85	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH4_8+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	2.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-118

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S86_4+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.50 ft	Invert:	6.45 ft
From Node:	EX4S86	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH4_8+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	2.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-119

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Weir Link: EX4S86_S90

Scenario:	Scenario1	Bottom Clip	
From Node:	CH4_8+A	Default:	0.00 ft
To Node:	POND401	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	7.45 ft	Discharge Coefficients	
Control Elevation:	7.45 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	4.00 ft	Orifice Table:	
Left Slope:	2.000 (h:v)		
Right Slope:	4.000 (h:v)		

Comment:

Pipe Link: EX4S87_4+A

		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.00 ft	Invert:	6.95 ft
From Node:	EX4S87	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH4_8+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	2.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: existing pipe information estimated

Pipe Link: EX4S91_O02		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-3.05 ft	Invert:	-3.55 ft
From Node:	EX4S91+B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	O402	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	48.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: dual 30" pipes D/S of S-67

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Weir Link: EX4S91_WEIR1			
Scenario:	Scenario1	Bottom Clip	
From Node:	EX4S91+A	Default:	0.00 ft
To Node:	EX4S91+B	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	1.95 ft	Discharge Coefficients	
Control Elevation:	1.95 ft	Weir Default:	2.800
Max Depth:	2.33 ft	Weir Table:	
Max Width:	23.17 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Weir Link: EX4S91_WEIR2			
Scenario:	Scenario1	Bottom Clip	
From Node:	EX4S91+A	Default:	0.00 ft
To Node:	EX4S91+B	Op Table:	
Link Count:	2	Ref Node:	

Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Circular
Invert:	0.95 ft
Control Elevation:	0.95 ft
Max Depth:	0.33 ft

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: 2 - 4" dia bleeder

Pipe Link: EX4S92_S96		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.56 ft	Invert:	1.51 ft
From Node:	EX4S92	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S96	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	4.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 18" pipe between S-69 and S-68

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S93_S95		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.75 ft	Invert:	1.45 ft
From Node:	EX4S93	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S95	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	53.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe between S-67A and S-67B

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S94_S92		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.99 ft	Invert:	1.81 ft
From Node:	EX4S94	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S92	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	33.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe between S-70 and S-69

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S95_S91		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-1.55 ft	Invert:	-1.55 ft
From Node:	EX4S95	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S91+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	31.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 48" pipe between S-67B and S-67

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S96_S95		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.99 ft	Invert:	-1.55 ft
From Node:	EX4S96	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S95	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	346.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 48" pipe between S-68 and S-67B

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S97_S98		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.08 ft	Invert:	2.03 ft
From Node:	EX4S97	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S98	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	6.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: FD Connection
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX4S98_S96		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.22 ft	Invert:	-0.49 ft
From Node:	EX4S98	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S96	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	164.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 48" pipe between S-71 and S-68

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S99_S98		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.33 ft	Invert:	-0.22 ft
From Node:	EX4S99	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S98	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	340.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 42" pipe between S-73 and S-71

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Rating Curve Link: EX5S01_5GW1

Scenario:	Scenario1
From Node:	EX5S01
To Node:	5GW1
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX5S01_5GW1	1.45	EX5S01	1.45	EX5S01

Comment:

Pipe Link: EX5S01_S05	Upstream	Downstream

Scenario:	Scenario1	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	EX5S05	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S01	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	295.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0200	Manning's N:	0.0200
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0200	Manning's N:	0.0200

Comment: FD Connection
FROM FPID 249035-1-52-01 SEGMENT 1

Weir Link: EX5S01_WEIR

Scenario:	Scenario1	Bottom Clip	
From Node:	EX5S01	Default:	0.00 ft
To Node:	CH4_9+A	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	7.45 ft	Discharge Coefficients	
Control Elevation:	7.45 ft	Weir Default:	3.200
Max Depth:	9999.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	11.14 ft	Orifice Table:	
Left Slope:	2.000 (h:v)		
Right Slope:	4.000 (h:v)		

Comment:

Pipe Link: EX5S02_S01

			Upstream		Downstream
Scenario:	Scenario1	Invert:	4.35 ft	Invert:	2.45 ft
From Node:	EX5S02	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S01	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120

Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX5S03_S04		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.35 ft	Invert:	2.45 ft
From Node:	EX5S03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S04	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	13.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Rating Curve Link: EX5S04_5GW5

Scenario:	Scenario1
From Node:	EX5S04
To Node:	5GW5
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX5S04_5GW5	1.45	EX5S04	1.45	EX5S04

Comment:

Pipe Link: EX5S04_S08		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	EX5S08	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S04	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	295.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0200	Manning's N:	0.0200
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0200	Manning's N:	0.0200

Comment: FD Connection
FROM FPID 249035-1-52-01 SEGMENT 1

Weir Link: EX5S04_WEIR

Scenario:	Scenario1	Bottom Clip	
From Node:	EX5S04	Default:	0.00 ft
To Node:	CH4_8+B	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	7.45 ft	Discharge Coefficients	
Control Elevation:	7.45 ft	Weir Default:	3.200
Max Depth:	9999.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	16.78 ft	Orifice Table:	
Left Slope:	4.000 (h:v)		
Right Slope:	2.000 (h:v)		

Comment:

Rating Curve Link: EX5S05_5GW1

Scenario:	Scenario1
From Node:	EX5S05
To Node:	5GW1
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX5S05_5GW1	1.45	EX5S05	1.45	EX5S05

Comment:

Rating Curve Link: EX5S05_5GW2

Scenario: Scenario1
From Node: EX5S05
To Node: 5GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX5S05_5GW2	1.45	EX5S05	1.45	EX5S05

Comment:

Pipe Link: EX5S05_S09

Scenario: Scenario1
From Node: EX5S09
To Node: EX5S05
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 295.00 ft
FHWA Code: 1
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	1.45 ft	Invert:	1.45 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0200	Manning's N:	0.0200
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0200	Manning's N:	0.0200

Comment: FD Connection
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX5S06_S05

Scenario: Scenario1
From Node: EX5S06
To Node: EX5S05
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 12.00 ft
FHWA Code: 1
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	4.35 ft	Invert:	2.45 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	1.50 ft	Max Depth:	1.50 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0120	Manning's N:	0.0120
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe

FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX5S07_S08		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.35 ft	Invert:	2.45 ft
From Node:	EX5S07	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S08	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	14.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Rating Curve Link: EX5S08_5GW5

Scenario: Scenario1
From Node: EX5S08
To Node: 5GW5
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX5S08_5GW5	1.45	EX5S08	1.45	EX5S08

Comment:

Rating Curve Link: EX5S08_5GW6

Scenario: Scenario1
From Node: EX5S08
To Node: 5GW6
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX5S08_5GW6	1.45	EX5S08	1.45	EX5S08

Comment:

Pipe Link: EX5S08_S12		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	EX5S12	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S08	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	295.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0200	Manning's N:	0.0200
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0200	Manning's N:	0.0200

Comment: FD Connection
FROM FPID 249035-1-52-01 SEGMENT 1

Rating Curve Link: EX5S09_5GW2

Scenario: Scenario1
From Node: EX5S09
To Node: 5GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX5S09_5GW2	1.45	EX5S09	1.45	EX5S09

Comment:

Rating Curve Link: EX5S09_5GW3

Scenario: Scenario1
From Node: EX5S09
To Node: 5GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX5S09_5GW3	1.45	EX5S09	1.45	EX5S09

Comment:

Pipe Link: EX5S09_S15		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.45 ft	Invert:	1.45 ft

From Node:	EX5S15	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S09	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	295.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0200	Manning's N:	0.0200
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0200	Manning's N:	0.0200

Comment: FD Connection
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX5S10_S09		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.35 ft	Invert:	2.45 ft
From Node:	EX5S10	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S09	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	13.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX5S11_S12		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.35 ft	Invert:	2.45 ft
From Node:	EX5S11	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S12	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Rating Curve Link: EX5S12_5GW6

Scenario:	Scenario1
From Node:	EX5S12
To Node:	5GW6
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX5S12_5GW6	1.45	EX5S12	1.45	EX5S12

Comment:

Pipe Link: EX5S13_S14

		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.05 ft	Invert:	4.35 ft
From Node:	EX5S13	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S14	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	8.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX5S14_S12

		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.65 ft	Invert:	1.45 ft
From Node:	EX5S14	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S12	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	147.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Rating Curve Link: EX5S15_5GW3

Scenario: Scenario1
From Node: EX5S15
To Node: 5GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX5S15_5GW3	1.45	EX5S15	1.45	EX5S15

Comment:

Rating Curve Link: EX5S15_5GW4

Scenario: Scenario1
From Node: EX5S15
To Node: 5GW4
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX5S15_5GW4	1.45	EX5S15	1.45	EX5S15

Comment:

Pipe Link: EX5S16_S15		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.35 ft	Invert:	2.45 ft
From Node:	EX5S16	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S15	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	12.00 ft	Op Table:		Op Table:	

FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX5S17_S18		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.55 ft	Invert:	3.55 ft
From Node:	EX5S17	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S18	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	13.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Rating Curve Link: EX5S18_5GW7

Scenario:	Scenario1
From Node:	EX5S18
To Node:	5GW7
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX5S18_5GW7	1.45	EX5S18	1.45	EX5S18

Comment:

Pipe Link: EX5S18_S14		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.85 ft	Invert:	1.65 ft
From Node:	EX5S18	Manning's N:	0.0120	Manning's N:	0.0120

		Upstream		Downstream	
To Node:	EX5S14	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	197.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX5S19_CH5_1+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.75 ft	Invert:	1.65 ft
From Node:	EX5S19	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH5_1+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Rating Curve Link: EX5S21_5GW4

Scenario: Scenario1
From Node: EX5S21
To Node: 5GW4
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX5S21_5GW4	1.45	EX5S21	1.45	EX5S21

Comment:

Pipe Link: EX5S21_S15		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	EX5S21	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S15	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	295.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0200	Manning's N:	0.0200
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0200	Manning's N:	0.0200

Comment: FD Connection
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX5S22A_S19		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.95 ft	Invert:	4.75 ft
From Node:	EX5S22A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S19	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	127.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX5S22_S21		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.35 ft	Invert:	3.35 ft
From Node:	EX5S22	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S21	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX5S23_S22A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.15 ft	Invert:	4.95 ft
From Node:	EX5S23	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S22A	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	117.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX5S24A_S23		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.25 ft	Invert:	5.15 ft
From Node:	EX5S24A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S23	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	97.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX5S24_S22		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.35 ft	Invert:	4.35 ft
From Node:	EX5S24	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S22	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	246.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX5S25_S24A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.45 ft	Invert:	5.25 ft
From Node:	EX5S25	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S24A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	97.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX5S26_S25		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.65 ft	Invert:	5.45 ft
From Node:	EX5S26	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S25	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	97.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX5S27_S24		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.35 ft	Invert:	5.35 ft
From Node:	EX5S27	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S24	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	246.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX5S28_S29		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.85 ft	Invert:	6.45 ft
From Node:	EX5S28	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S29	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	22.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX5S29_S26		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.45 ft	Invert:	5.65 ft
From Node:	EX5S29	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S26	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	71.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX5S30_S28		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.95 ft	Invert:	7.85 ft
From Node:	EX5S30	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S28	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	21.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX5S31_S27		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.95 ft	Invert:	6.35 ft
From Node:	EX5S31	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S27	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	237.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX5S32_S30		Upstream		Downstream	
Scenario:	Scenario1	Invert:	8.45 ft	Invert:	7.95 ft
From Node:	EX5S32	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S30	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	196.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX5S33_S31		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.45 ft	Invert:	6.95 ft
From Node:	EX5S33	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX5S31	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	156.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Rating Curve: CH5_1+A_5GW7

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	2.66
1.45	7.45	5.92
2.98	2.98	0.00
2.98	4.65	1.47
2.98	7.45	4.42

Comment:

Rating Curve: EX4S43A_4GW1

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	7.15	4.02
1.45	7.56	4.60
2.98	2.98	0.00
2.98	7.15	2.15
2.98	7.56	2.57

Comment:

Rating Curve: EX4S43_4GW1

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	7.15	4.02
1.45	7.56	4.60
2.98	2.98	0.00
2.98	7.15	2.15
2.98	7.56	2.57

Comment:

Rating Curve: EX4S43_4GW2

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	7.15	4.54
1.45	7.56	5.19
2.98	2.98	0.00
2.98	7.15	2.43
2.98	7.56	2.91

Comment:

Rating Curve: EX4S44_4GW2

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	7.15	4.54
1.45	7.56	5.19
2.98	2.98	0.00
2.98	7.15	2.43
2.98	7.56	2.91

Comment:

Rating Curve: EX4S44_4GW3

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	7.45	2.02
1.45	7.56	2.09
2.98	2.98	0.00
2.98	7.45	1.12
2.98	7.56	1.18

Comment:

Rating Curve: EX4S45_4GW3

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	7.45	2.02
1.45	7.56	2.09
2.98	2.98	0.00
2.98	7.45	1.12
2.98	7.56	1.18

Comment:

Rating Curve: EX4S45_4GW4

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	7.45	11.56
1.45	7.56	11.99
2.98	2.98	0.00
2.98	7.45	6.42
2.98	7.56	6.73

Comment:

Rating Curve: EX4S46A_4GW4

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	7.45	11.56
1.45	7.56	11.99
2.98	2.98	0.00
2.98	7.45	6.42
2.98	7.56	6.73

Comment:

Rating Curve: EX4S52_4GW5

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	6.95	10.04
1.45	7.56	12.27
2.98	2.98	0.00
2.98	6.95	5.23
2.98	7.56	6.84

Comment:

Rating Curve: EX4S53_4GW5

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	6.95	10.04
1.45	7.56	12.27
2.98	2.98	0.00
2.98	6.95	5.23
2.98	7.56	6.84

Comment:

Rating Curve: EX5S01_5GW1

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	4.14
1.45	7.45	9.19
2.98	2.98	0.00
2.98	4.65	2.29
2.98	7.45	6.87

Comment:

Rating Curve: EX5S04_5GW5

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	4.14
1.45	7.45	9.19
2.98	2.98	0.00
2.98	4.65	2.29
2.98	7.45	6.87

Comment:

Rating Curve: EX5S05_5GW1

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	4.14
1.45	7.45	9.19
2.98	2.98	0.00
2.98	4.65	2.29
2.98	7.45	6.87

Comment:

Rating Curve: EX5S05_5GW2

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	4.14
1.45	7.45	9.19
2.98	2.98	0.00
2.98	4.65	2.29
2.98	7.45	6.87

Comment:

Rating Curve: EX5S08_5GW5

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	4.14
1.45	7.45	9.19
2.98	2.98	0.00
2.98	4.65	2.29
2.98	7.45	6.87

Comment:

Rating Curve: EX5S08_5GW6

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	4.14
1.45	7.45	9.19
2.98	2.98	0.00
2.98	4.65	2.29
2.98	7.45	6.87

Comment:

Rating Curve: EX5S09_5GW2

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	4.14
1.45	7.45	9.19
2.98	2.98	0.00
2.98	4.65	2.29
2.98	7.45	6.87

Comment:

Rating Curve: EX5S09_5GW3

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	3.31
1.45	7.45	7.35
2.98	2.98	0.00
2.98	4.65	1.83
2.98	7.45	5.49

Comment:

Rating Curve: EX5S12_5GW6

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	4.14
1.45	7.45	9.19
2.98	2.98	0.00
2.98	4.65	2.29
2.98	7.45	6.87

Comment:

Rating Curve: EX5S15_5GW3

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	3.31
1.45	7.45	7.35
2.98	2.98	0.00
2.98	4.65	1.83
2.98	7.45	5.49

Comment:

Rating Curve: EX5S15_5GW4

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	4.14
1.45	7.45	9.19
2.98	2.98	0.00
2.98	4.65	2.29
2.98	7.45	6.87

Comment:

Rating Curve: EX5S18_5GW7

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	2.66
1.45	7.45	5.92
2.98	2.98	0.00
2.98	4.65	1.47
2.98	7.45	4.42

Comment:

Rating Curve: EX5S21_5GW4

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	4.14
1.45	7.45	9.19
2.98	2.98	0.00
2.98	4.65	2.29
2.98	7.45	6.87

Comment:

Simulation: 100YR-1HR

Scenario: Scenario1
Run Date/Time: 10/11/2019 3:37:12 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 100y-1hr
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	5.10 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100YR-24HR

Scenario:	Scenario1
Run Date/Time:	10/11/2019 3:37:39 PM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	36.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 100y-24hr
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 13.44 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 100YR-8HR

Scenario: Scenario1
Run Date/Time: 10/11/2019 3:38:40 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 100y-8hr
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	9.60 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-1HR

Scenario:	Scenario1
Run Date/Time:	10/11/2019 3:39:16 PM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 10y-1hr
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 3.55 in
Storm Duration: 1.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 10YR-24HR

Scenario: Scenario1
Run Date/Time: 10/11/2019 3:39:40 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	36.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 10y-24hr
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	8.88 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-8HR

Scenario:	Scenario1
Run Date/Time:	10/11/2019 3:40:39 PM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 10y-8Hr
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-8
Rainfall Amount: 6.80 in
Storm Duration: 8.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 25YR-72HR

Scenario: Scenario1
Run Date/Time: 10/11/2019 3:41:17 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 25y-72hr
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	13.00 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
4GW1	100YR-1HR	7.45	1.45	0.0000	9.77	0.00	0
4GW2	100YR-1HR	7.45	1.45	0.0000	10.45	0.00	0
4GW3	100YR-1HR	7.45	1.45	0.0000	4.14	0.00	0
4GW4	100YR-1HR	7.45	1.45	0.0000	23.73	0.00	0
4GW5	100YR-1HR	7.45	1.45	0.0000	30.77	0.00	0
5GW1	100YR-1HR	7.45	1.45	0.0000	8.26	0.00	0
5GW2	100YR-1HR	7.45	1.45	0.0000	8.55	0.00	0
5GW3	100YR-1HR	7.45	1.45	0.0000	7.65	0.00	0
5GW4	100YR-1HR	7.45	1.45	0.0000	11.64	0.00	0
5GW5	100YR-1HR	7.45	1.45	0.0000	15.87	0.00	0
5GW6	100YR-1HR	7.45	1.45	0.0000	15.94	0.00	0
5GW7	100YR-1HR	7.45	1.45	0.0000	11.80	0.00	0
CH4_1+A	100YR-1HR	6.95	4.73	0.0002	6.51	7.74	4562
CH4_1+B	100YR-1HR	7.95	5.33	0.0005	6.76	6.51	3835
CH4_1+C	100YR-1HR	9.95	6.42	0.0002	6.72	6.76	4190
CH4_1+D	100YR-1HR	10.95	7.89	0.0001	7.35	6.72	6053
CH4_1+E	100YR-1HR	12.45	9.51	0.0001	7.34	7.35	4304
CH4_1+F	100YR-1HR	11.95	10.09	0.0001	7.36	7.34	1545
CH4_1+G	100YR-1HR	11.57	11.27	0.0003	4.00	3.99	653
CH4_2+A	100YR-1HR	10.09	7.53	0.0005	64.62	53.19	28415
CH4_3+A	100YR-1HR	12.45	11.04	0.0003	3.84	3.92	869
CH4_3+B	100YR-1HR	9.95	7.71	0.0005	12.03	12.22	2680
CH4_4+A	100YR-1HR	9.45	7.62	0.0005	47.70	47.06	3900
CH4_4+B	100YR-1HR	13.95	12.33	0.0002	3.84	3.84	701
CH4_5+A	100YR-1HR	19.25	16.59	0.0003	4.94	4.93	879
CH4_5+B	100YR-1HR	8.45	8.20	0.0004	40.36	39.86	2794
CH4_6+A	100YR-1HR	10.45	7.63	0.0004	12.64	9.87	3815
CH4_6+B	100YR-1HR	12.45	10.45	0.0003	4.94	4.92	659
CH4_7+A	100YR-1HR	9.95	8.89	0.0003	4.55	4.36	3728
CH4_8+A	100YR-1HR	10.45	7.89	0.0002	12.54	11.59	6621
CH4_8+B	100YR-1HR	8.40	7.71	0.0006	7.51	7.37	5772
CH4_9+A	100YR-1HR	8.20	7.12	0.0003	2.66	0.53	10289
CH5_1+A	100YR-1HR	9.25	7.75	0.0013	18.08	18.45	401
CH5_1+B	100YR-1HR	9.00	7.76	0.0004	1.58	2.55	791
CH5_1+C	100YR-1HR	9.45	7.76	0.0003	0.83	1.14	791
CH5_1+D	100YR-1HR	9.35	8.10	0.0000	0.44	0.42	728
CH5_1+E	100YR-1HR	9.38	8.68	0.0000	0.26	0.26	578
CH5_1+F	100YR-1HR	9.07	8.81	0.0000	0.13	0.13	347
EX4S02	100YR-1HR	10.90	2.89	0.0003	2.82	2.78	113
EX4S03+A	100YR-1HR	5.45	2.83	0.0006	134.38	134.38	857
EX4S03+B	100YR-1HR	5.45	1.81	0.0031	134.38	134.38	113
EX4S04	100YR-1HR	8.11	3.49	0.0004	3.06	3.00	113
EX4S05	100YR-1HR	7.12	3.41	0.0005	6.84	6.78	113
EX4S06	100YR-1HR	4.95	3.33	0.0004	132.11	132.10	1844
EX4S07	100YR-1HR	6.96	4.42	0.0010	4.63	5.66	113
EX4S08	100YR-1HR	5.95	3.76	0.0005	122.86	122.86	2036

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S09	100YR-1HR	6.95	4.36	0.0007	114.87	115.03	1530
EX4S10	100YR-1HR	7.03	4.01	0.0013	8.91	8.22	113
EX4S101	100YR-1HR	6.45	4.72	0.0003	24.98	23.64	2417
EX4S102	100YR-1HR	12.64	10.65	0.0003	3.37	3.37	113
EX4S104	100YR-1HR	16.95	11.65	0.0003	4.00	4.00	113
EX4S106	100YR-1HR	24.00	18.64	0.0003	4.78	4.78	113
EX4S107	100YR-1HR	30.00	25.50	0.0003	4.47	4.47	113
EX4S108	100YR-1HR	21.00	18.79	0.0003	2.43	2.43	113
EX4S109	100YR-1HR	28.00	25.64	0.0002	2.27	2.27	113
EX4S11	100YR-1HR	10.25	9.00	0.0217	6.50	24.53	113
EX4S12	100YR-1HR	7.45	5.35	0.0265	98.55	89.29	29082
EX4S14	100YR-1HR	11.75	10.50	0.0214	7.86	24.17	113
EX4S15	100YR-1HR	27.50	23.91	0.0005	3.84	3.84	113
EX4S16	100YR-1HR	11.38	5.36	0.0002	1.41	1.41	113
EX4S17	100YR-1HR	11.51	5.70	0.0009	4.71	4.70	113
EX4S18	100YR-1HR	12.28	7.66	0.0002	2.27	2.27	113
EX4S19	100YR-1HR	16.07	13.49	0.0003	4.31	4.31	113
EX4S20	100YR-1HR	26.30	23.91	0.0003	3.84	3.84	113
EX4S21	100YR-1HR	30.00	27.75	0.0002	2.20	2.20	113
EX4S22	100YR-1HR	24.00	22.35	0.0006	1.65	1.65	113
EX4S23	100YR-1HR	19.00	15.85	0.0002	1.65	1.65	113
EX4S24	100YR-1HR	11.00	10.45	0.0008	2.75	2.59	113
EX4S25	100YR-1HR	11.00	10.77	0.0009	3.37	3.19	132
EX4S26	100YR-1HR	28.00	26.90	0.0003	4.47	4.47	113
EX4S27	100YR-1HR	23.00	21.22	0.0003	3.92	3.92	113
EX4S28	100YR-1HR	18.00	14.83	0.0003	4.71	4.70	113
EX4S29	100YR-1HR	16.00	8.61	0.0004	18.59	18.58	375
EX4S30	100YR-1HR	14.00	9.58	0.0006	14.41	14.42	457
EX4S31	100YR-1HR	13.00	10.31	0.0007	12.57	12.58	409
EX4S32	100YR-1HR	13.00	10.81	0.0009	3.37	3.40	113
EX4S33	100YR-1HR	12.70	10.45	0.0008	6.53	6.59	282
EX4S35	100YR-1HR	9.95	7.64	0.0004	13.39	13.62	637
EX4S36	100YR-1HR	9.52	7.72	0.0005	45.39	44.33	2337
EX4S37	100YR-1HR	10.00	9.78	0.0020	11.27	10.91	310
EX4S38	100YR-1HR	10.00	9.50	0.0013	12.01	11.36	483
EX4S39	100YR-1HR	11.00	9.12	0.0013	15.69	15.26	566
EX4S40	100YR-1HR	12.00	8.87	0.0008	16.41	16.18	564
EX4S41	100YR-1HR	12.00	8.58	0.0008	16.88	16.69	392
EX4S42	100YR-1HR	13.00	8.41	0.0008	21.06	20.67	659
EX4S43	100YR-1HR	11.00	7.63	0.0013	20.92	19.17	1509
EX4S43A	100YR-1HR	11.00	7.90	0.0013	20.67	20.10	1023
EX4S44	100YR-1HR	11.00	7.53	0.0012	16.56	14.81	732
EX4S45	100YR-1HR	11.00	7.52	0.0012	17.82	14.16	2235
EX4S46	100YR-1HR	8.83	7.57	0.0013	15.30	15.70	1107
EX4S46A	100YR-1HR	10.90	7.54	0.0012	15.70	16.72	1868
EX4S47	100YR-1HR	9.90	7.73	0.0010	1.26	1.48	113
EX4S48	100YR-1HR	9.98	7.63	0.0010	1.33	1.33	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S49	100YR-1HR	10.45	7.58	0.0005	51.65	50.97	4105
EX4S50	100YR-1HR	8.91	7.67	0.0016	6.57	6.45	113
EX4S50A	100YR-1HR	8.42	7.55	0.0006	18.05	17.53	1707
EX4S51	100YR-1HR	11.00	8.10	0.0022	11.93	11.90	354
EX4S51A	100YR-1HR	8.45	7.56	0.0007	11.90	11.76	513
EX4S52	100YR-1HR	11.00	8.41	0.0048	21.74	20.04	2005
EX4S53	100YR-1HR	11.00	8.41	0.0072	18.77	17.02	2003
EX4S54	100YR-1HR	11.00	9.35	0.0018	13.41	12.89	983
EX4S55	100YR-1HR	11.00	9.34	0.0014	4.94	5.10	352
EX4S56	100YR-1HR	9.00	9.34	0.0036	3.61	4.69	8715
EX4S57	100YR-1HR	10.00	10.11	0.0068	11.05	10.35	73061
EX4S58	100YR-1HR	11.00	9.28	0.0007	3.02	3.30	113
EX4S59	100YR-1HR	13.00	8.48	0.0006	1.76	2.38	113
EX4S60	100YR-1HR	11.00	8.33	0.0001	2.07	1.81	2666
EX4S61	100YR-1HR	11.00	7.88	0.0001	4.37	4.25	6195
EX4S62	100YR-1HR	8.95	8.89	0.0020	8.08	7.33	842
EX4S63	100YR-1HR	8.48	8.89	0.0004	37.52	36.07	4509
EX4S64	100YR-1HR	8.95	8.07	0.0003	42.80	42.42	1493
EX4S65	100YR-1HR	9.90	8.08	0.0020	2.29	0.39	113
EX4S66	100YR-1HR	9.98	7.63	0.0008	0.84	0.80	113
EX4S67	100YR-1HR	8.90	7.63	0.0004	12.51	11.13	2867
EX4S68	100YR-1HR	9.01	7.64	0.0016	6.04	5.73	1015
EX4S69	100YR-1HR	9.45	7.64	0.0004	8.71	7.86	1219
EX4S69+A	100YR-1HR	9.45	7.64	0.0004	0.43	0.06	113
EX4S70	100YR-1HR	11.00	8.33	0.0007	3.27	3.23	113
EX4S71	100YR-1HR	11.00	11.01	0.0022	11.08	11.34	7695
EX4S72	100YR-1HR	11.00	8.58	0.0001	5.23	3.73	12255
EX4S73	100YR-1HR	11.00	9.83	0.0010	4.36	4.29	137
EX4S74	100YR-1HR	11.00	9.69	0.0011	3.65	4.23	113
EX4S75	100YR-1HR	26.12	23.56	0.0005	4.94	4.94	113
EX4S76	100YR-1HR	25.91	23.56	0.0005	4.94	4.94	113
EX4S78	100YR-1HR	20.72	14.23	0.0003	2.67	2.67	113
EX4S79	100YR-1HR	15.24	7.80	0.0003	4.47	4.47	113
EX4S80	100YR-1HR	12.87	8.18	0.0003	4.63	4.56	113
EX4S80A	100YR-1HR	10.70	7.72	0.0011	4.56	4.56	113
EX4S81	100YR-1HR	11.22	6.91	0.0003	3.45	3.45	113
EX4S82	100YR-1HR	8.70	7.40	0.0010	33.05	19.05	12802
EX4S83	100YR-1HR	9.48	7.06	0.0003	3.84	3.84	113
EX4S84	100YR-1HR	9.85	13.55	0.0108	16.63	28.88	131
EX4S85	100YR-1HR	9.45	8.02	0.0017	4.86	4.82	113
EX4S86	100YR-1HR	9.58	7.93	0.0017	2.75	3.29	113
EX4S87	100YR-1HR	10.00	8.21	0.0009	5.02	5.02	113
EX4S91+A	100YR-1HR	4.95	2.78	0.0016	50.11	50.11	113
EX4S91+B	100YR-1HR	4.95	1.85	0.0011	50.11	50.11	113
EX4S92	100YR-1HR	6.74	3.57	0.0044	7.79	8.58	113
EX4S93	100YR-1HR	10.20	3.04	0.0003	2.12	2.06	113
EX4S94	100YR-1HR	8.39	3.70	0.0004	3.45	3.42	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S95	100YR-1HR	4.95	2.96	0.0005	50.01	50.01	698
EX4S96	100YR-1HR	4.95	3.41	0.0037	46.95	46.95	960
EX4S97	100YR-1HR	6.70	3.82	0.0003	2.67	2.52	113
EX4S98	100YR-1HR	5.45	3.78	0.0003	39.82	39.84	895
EX4S99	100YR-1HR	5.85	4.19	0.0003	33.13	33.27	978
EX5S01	100YR-1HR	9.65	4.64	0.0013	4.59	4.12	458
EX5S02	100YR-1HR	9.79	5.05	0.0002	2.20	2.19	113
EX5S03	100YR-1HR	9.79	6.85	0.0007	2.20	2.88	113
EX5S04	100YR-1HR	9.95	6.84	0.0015	13.44	13.42	459
EX5S05	100YR-1HR	9.95	4.65	0.0011	9.77	9.73	754
EX5S06	100YR-1HR	9.87	5.35	0.0003	3.77	3.76	113
EX5S07	100YR-1HR	9.95	6.71	0.0010	3.77	3.58	113
EX5S08	100YR-1HR	9.95	6.67	0.0013	15.59	15.57	754
EX5S09	100YR-1HR	9.95	4.80	0.0008	13.08	13.06	753
EX5S10	100YR-1HR	9.93	5.35	0.0003	3.77	3.76	113
EX5S11	100YR-1HR	9.93	6.90	0.0007	2.82	2.74	113
EX5S12	100YR-1HR	9.95	6.88	0.0011	14.30	14.43	643
EX5S13	100YR-1HR	9.95	7.05	0.0011	3.45	3.37	113
EX5S14	100YR-1HR	8.75	7.02	0.0013	12.43	11.89	449
EX5S15	100YR-1HR	10.25	5.21	0.0007	17.68	17.67	722
EX5S16	100YR-1HR	9.98	5.69	0.0003	5.73	5.72	113
EX5S17	100YR-1HR	9.99	7.16	0.0009	2.59	3.47	113
EX5S18	100YR-1HR	8.95	7.13	0.0017	16.17	14.70	531
EX5S19	100YR-1HR	10.47	8.28	0.0006	17.47	17.36	162
EX5S21	100YR-1HR	9.35	5.95	0.0009	17.69	17.69	461
EX5S22	100YR-1HR	10.42	6.58	0.0004	15.18	15.18	269
EX5S22A	100YR-1HR	10.67	9.18	0.0006	15.88	15.77	264
EX5S23	100YR-1HR	10.87	9.89	0.0007	14.30	14.20	237
EX5S24	100YR-1HR	10.95	7.33	0.0003	11.64	11.64	451
EX5S24A	100YR-1HR	11.06	10.41	0.0007	12.93	12.84	216
EX5S25	100YR-1HR	11.28	10.93	0.0008	11.51	11.41	194
EX5S26	100YR-1HR	11.55	12.17	0.0009	10.11	9.98	147
EX5S27	100YR-1HR	11.54	8.79	0.0008	7.83	7.83	385
EX5S28	100YR-1HR	12.37	13.29	0.0010	6.89	6.65	113
EX5S29	100YR-1HR	11.74	12.99	0.0010	9.12	8.90	113
EX5S30	100YR-1HR	12.45	13.56	0.0011	7.02	6.59	176
EX5S31	100YR-1HR	12.31	9.17	0.0010	4.03	4.06	315
EX5S32	100YR-1HR	13.06	13.92	0.0010	5.02	4.53	267
EX5S33	100YR-1HR	12.66	9.20	0.0010	1.41	1.43	139
O401	100YR-1HR	3.45	1.45	0.0000	134.38	0.54	0
O402	100YR-1HR	3.45	1.45	0.0000	50.11	0.00	0
POND401	100YR-1HR	9.95	5.68	0.0007	57.37	0.00	48178
SWALE 4E1	100YR-1HR	8.17	5.66	0.0010	37.03	27.25	27226
SWALE 4W1	100YR-1HR	7.45	5.54	0.0010	10.76	9.11	8315
4GW1	100YR-24HR	7.45	2.65	0.0001	3.11	0.00	0
4GW2	100YR-24HR	7.45	2.65	0.0001	4.00	0.00	0
4GW3	100YR-24HR	7.45	2.65	0.0001	1.35	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
4GW4	100YR-24HR	7.45	2.65	0.0001	8.06	0.00	0
4GW5	100YR-24HR	7.45	2.65	0.0001	11.96	0.00	0
5GW1	100YR-24HR	7.45	2.65	0.0001	2.36	0.00	0
5GW2	100YR-24HR	7.45	2.65	0.0001	2.26	0.00	0
5GW3	100YR-24HR	7.45	2.65	0.0001	1.79	0.00	0
5GW4	100YR-24HR	7.45	2.65	0.0001	2.24	0.00	0
5GW5	100YR-24HR	7.45	2.65	0.0001	4.30	0.00	0
5GW6	100YR-24HR	7.45	2.65	0.0001	4.12	0.00	0
5GW7	100YR-24HR	7.45	2.65	0.0001	2.65	0.00	0
CH4_1+A	100YR-24HR	6.95	3.91	0.0000	1.26	1.32	2658
CH4_1+B	100YR-24HR	7.95	4.83	0.0000	1.26	1.26	2430
CH4_1+C	100YR-24HR	9.95	5.96	0.0000	1.26	1.26	2762
CH4_1+D	100YR-24HR	10.95	7.37	0.0000	1.27	1.26	3924
CH4_1+E	100YR-24HR	12.45	8.92	0.0000	1.27	1.27	2975
CH4_1+F	100YR-24HR	11.95	9.61	0.0000	1.27	1.27	872
CH4_1+G	100YR-24HR	11.57	10.84	0.0002	0.69	0.69	359
CH4_2+A	100YR-24HR	10.09	6.65	0.0004	18.86	18.30	20605
CH4_3+A	100YR-24HR	12.45	10.76	0.0002	0.66	0.66	519
CH4_3+B	100YR-24HR	9.95	6.77	0.0001	3.23	3.23	1854
CH4_4+A	100YR-24HR	9.45	6.71	0.0001	15.23	15.13	3449
CH4_4+B	100YR-24HR	13.95	12.07	0.0001	0.66	0.66	504
CH4_5+A	100YR-24HR	19.25	16.27	0.0002	0.85	0.85	479
CH4_5+B	100YR-24HR	8.45	7.30	0.0001	11.42	11.41	1814
CH4_6+A	100YR-24HR	10.45	6.72	0.0001	3.19	3.10	2816
CH4_6+B	100YR-24HR	12.45	10.08	0.0002	0.85	0.85	397
CH4_7+A	100YR-24HR	9.95	7.52	0.0001	0.46	0.63	1906
CH4_8+A	100YR-24HR	10.45	7.79	0.0003	5.61	5.55	6390
CH4_8+B	100YR-24HR	8.40	7.67	0.0006	5.55	5.55	5617
CH4_9+A	100YR-24HR	8.20	7.68	0.0010	4.15	4.13	11202
CH5_1+A	100YR-24HR	9.25	4.18	0.0004	3.92	3.92	222
CH5_1+B	100YR-24HR	9.00	6.27	0.0000	0.31	0.31	637
CH5_1+C	100YR-24HR	9.45	7.23	0.0000	0.23	0.23	791
CH5_1+D	100YR-24HR	9.35	8.03	0.0000	0.16	0.16	728
CH5_1+E	100YR-24HR	9.38	8.62	0.0000	0.10	0.10	578
CH5_1+F	100YR-24HR	9.07	8.74	0.0000	0.05	0.05	347
EX4S02	100YR-24HR	10.90	2.25	0.0002	0.49	0.49	113
EX4S03+A	100YR-24HR	5.45	2.25	0.0005	50.06	50.06	854
EX4S03+B	100YR-24HR	5.45	1.50	0.0032	50.06	50.15	113
EX4S04	100YR-24HR	8.11	2.44	0.0003	0.53	0.54	113
EX4S05	100YR-24HR	7.12	2.32	0.0003	1.19	1.19	113
EX4S06	100YR-24HR	4.95	2.31	0.0002	49.36	49.33	1844
EX4S07	100YR-24HR	6.96	3.70	0.0006	0.80	0.80	113
EX4S08	100YR-24HR	5.95	2.37	0.0001	46.20	46.23	2036
EX4S09	100YR-24HR	6.95	2.46	0.0001	43.35	43.37	1088
EX4S10	100YR-24HR	7.03	2.38	0.0002	1.36	1.36	113
EX4S101	100YR-24HR	6.45	3.80	0.0001	7.46	7.45	1976
EX4S102	100YR-24HR	12.64	10.05	0.0003	0.58	0.58	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S104	100YR-24HR	16.95	10.96	0.0001	0.69	0.69	113
EX4S106	100YR-24HR	24.00	17.97	0.0002	0.82	0.82	113
EX4S107	100YR-24HR	30.00	24.86	0.0002	0.77	0.77	113
EX4S108	100YR-24HR	21.00	18.08	0.0001	0.42	0.42	113
EX4S109	100YR-24HR	28.00	25.01	0.0001	0.39	0.39	113
EX4S11	100YR-24HR	10.25	9.00	0.0217	2.14	24.53	113
EX4S12	100YR-24HR	7.45	4.33	0.0265	48.70	35.51	21540
EX4S14	100YR-24HR	11.75	10.50	0.0214	2.30	24.17	113
EX4S15	100YR-24HR	27.50	23.33	0.0003	0.66	0.66	113
EX4S16	100YR-24HR	11.38	4.92	0.0001	0.24	0.24	113
EX4S17	100YR-24HR	11.51	4.97	0.0001	0.81	0.81	113
EX4S18	100YR-24HR	12.28	7.23	0.0001	0.39	0.39	113
EX4S19	100YR-24HR	16.07	12.85	0.0001	0.74	0.74	113
EX4S20	100YR-24HR	26.30	23.33	0.0002	0.66	0.66	113
EX4S21	100YR-24HR	30.00	27.32	0.0001	0.38	0.38	113
EX4S22	100YR-24HR	24.00	21.99	0.0003	0.28	0.28	113
EX4S23	100YR-24HR	19.00	15.49	0.0001	0.28	0.28	113
EX4S24	100YR-24HR	11.00	7.88	0.0001	0.47	0.47	113
EX4S25	100YR-24HR	11.00	8.15	0.0001	0.58	0.58	113
EX4S26	100YR-24HR	28.00	26.26	0.0001	0.77	0.77	113
EX4S27	100YR-24HR	23.00	20.63	0.0002	0.68	0.68	113
EX4S28	100YR-24HR	18.00	14.17	0.0002	0.81	0.81	113
EX4S29	100YR-24HR	16.00	7.08	0.0002	3.80	3.80	367
EX4S30	100YR-24HR	14.00	7.46	0.0002	3.05	3.05	452
EX4S31	100YR-24HR	13.00	7.85	0.0001	2.71	2.71	390
EX4S32	100YR-24HR	13.00	8.10	0.0004	1.02	1.02	113
EX4S33	100YR-24HR	12.70	8.04	0.0004	1.60	1.60	278
EX4S35	100YR-24HR	9.95	6.74	0.0001	3.94	3.94	413
EX4S36	100YR-24HR	9.52	6.77	0.0001	13.48	13.44	1997
EX4S37	100YR-24HR	10.00	6.13	0.0002	3.68	3.68	310
EX4S38	100YR-24HR	10.00	6.04	0.0002	3.98	3.97	483
EX4S39	100YR-24HR	11.00	5.95	0.0002	5.05	5.04	560
EX4S40	100YR-24HR	12.00	5.86	0.0001	5.27	5.26	564
EX4S41	100YR-24HR	12.00	5.77	0.0001	5.38	5.36	392
EX4S42	100YR-24HR	13.00	5.72	0.0001	6.37	6.35	612
EX4S43	100YR-24HR	11.00	5.31	0.0010	5.94	5.88	1502
EX4S43A	100YR-24HR	11.00	5.55	0.0010	6.35	6.32	1002
EX4S44	100YR-24HR	11.00	5.18	0.0010	4.15	4.09	732
EX4S45	100YR-24HR	11.00	5.11	0.0010	4.65	5.54	2229
EX4S46	100YR-24HR	8.83	6.43	0.0006	4.51	4.55	490
EX4S46A	100YR-24HR	10.90	5.16	0.0011	4.55	5.03	1825
EX4S47	100YR-24HR	9.90	7.10	0.0002	0.22	0.22	113
EX4S48	100YR-24HR	9.98	6.98	0.0002	0.23	0.23	113
EX4S49	100YR-24HR	10.45	6.66	0.0001	16.66	16.54	3462
EX4S50	100YR-24HR	8.91	6.67	0.0009	1.16	1.16	113
EX4S50A	100YR-24HR	8.42	6.66	0.0003	2.35	2.32	1020
EX4S51	100YR-24HR	11.00	6.68	0.0005	2.23	2.22	352

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S51A	100YR-24HR	8.45	6.67	0.0007	1.21	1.20	323
EX4S52	100YR-24HR	11.00	6.63	0.0010	7.04	6.78	2003
EX4S53	100YR-24HR	11.00	6.62	0.0010	6.07	5.98	1996
EX4S54	100YR-24HR	11.00	6.70	0.0003	3.53	3.52	897
EX4S55	100YR-24HR	11.00	6.71	0.0003	0.45	0.49	351
EX4S56	100YR-24HR	9.00	6.71	0.0003	0.29	0.29	183
EX4S57	100YR-24HR	10.00	6.31	0.0002	3.27	3.27	119
EX4S58	100YR-24HR	11.00	7.23	0.0002	0.69	0.69	113
EX4S59	100YR-24HR	13.00	8.12	0.0000	0.38	0.38	113
EX4S60	100YR-24HR	11.00	7.99	0.0000	0.43	0.43	1248
EX4S61	100YR-24HR	11.00	7.49	0.0000	0.91	0.90	3302
EX4S62	100YR-24HR	8.95	7.53	0.0010	1.39	1.39	326
EX4S63	100YR-24HR	8.48	7.52	0.0001	10.58	10.57	2447
EX4S64	100YR-24HR	8.95	7.02	0.0001	12.42	12.41	1158
EX4S65	100YR-24HR	9.90	7.02	0.0004	0.10	0.09	113
EX4S66	100YR-24HR	9.98	6.73	0.0002	0.14	0.13	113
EX4S67	100YR-24HR	8.90	6.72	0.0001	4.15	4.08	2387
EX4S68	100YR-24HR	9.01	6.74	0.0007	1.04	1.02	548
EX4S69	100YR-24HR	9.45	6.73	0.0005	2.36	2.35	859
EX4S69+A	100YR-24HR	9.45	6.73	0.0001	0.01	0.01	113
EX4S70	100YR-24HR	11.00	6.89	0.0001	0.97	0.97	113
EX4S71	100YR-24HR	11.00	7.57	0.0003	3.20	3.20	113
EX4S72	100YR-24HR	11.00	8.34	0.0000	1.40	1.31	8423
EX4S73	100YR-24HR	11.00	7.68	0.0001	1.07	1.07	134
EX4S74	100YR-24HR	11.00	7.64	0.0001	1.09	1.09	113
EX4S75	100YR-24HR	26.12	22.88	0.0001	0.85	0.85	113
EX4S76	100YR-24HR	25.91	22.88	0.0001	0.85	0.85	113
EX4S78	100YR-24HR	20.72	13.75	0.0001	0.46	0.46	113
EX4S79	100YR-24HR	15.24	7.91	0.0010	0.77	1.06	113
EX4S80	100YR-24HR	12.87	7.91	0.0004	0.80	0.87	113
EX4S80A	100YR-24HR	10.70	7.91	0.0010	0.87	1.10	113
EX4S81	100YR-24HR	11.22	7.91	0.0010	0.59	1.89	113
EX4S82	100YR-24HR	8.70	7.90	0.0003	6.10	4.15	13426
EX4S83	100YR-24HR	9.48	7.91	0.0010	0.66	1.80	113
EX4S84	100YR-24HR	9.85	7.92	0.0027	2.87	5.09	113
EX4S85	100YR-24HR	9.45	7.79	0.0017	1.88	1.98	113
EX4S86	100YR-24HR	9.58	7.79	0.0010	0.90	1.29	113
EX4S87	100YR-24HR	10.00	7.79	0.0002	0.86	0.87	113
EX4S91+A	100YR-24HR	4.95	2.30	0.0020	15.66	14.02	113
EX4S91+B	100YR-24HR	4.95	1.48	0.0010	14.02	13.96	113
EX4S92	100YR-24HR	6.74	2.36	0.0005	1.36	1.37	113
EX4S93	100YR-24HR	10.20	2.32	0.0002	0.36	0.40	113
EX4S94	100YR-24HR	8.39	2.39	0.0001	0.59	0.59	113
EX4S95	100YR-24HR	4.95	2.31	0.0006	14.12	15.63	697
EX4S96	100YR-24HR	4.95	2.34	0.0001	13.24	13.40	960
EX4S97	100YR-24HR	6.70	2.41	0.0003	0.46	0.46	113
EX4S98	100YR-24HR	5.45	2.38	0.0001	11.72	11.74	894

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S99	100YR-24HR	5.85	2.44	0.0001	10.01	10.02	658
EX5S01	100YR-24HR	9.65	3.55	0.0001	4.46	4.46	456
EX5S02	100YR-24HR	9.79	4.57	0.0001	0.38	0.38	113
EX5S03	100YR-24HR	9.79	4.59	0.0001	0.38	0.38	113
EX5S04	100YR-24HR	9.95	4.30	0.0003	6.80	6.81	456
EX5S05	100YR-24HR	9.95	3.49	0.0001	3.85	3.86	751
EX5S06	100YR-24HR	9.87	4.68	0.0001	0.65	0.65	113
EX5S07	100YR-24HR	9.95	4.69	0.0007	0.65	0.65	113
EX5S08	100YR-24HR	9.95	4.18	0.0003	5.24	5.25	752
EX5S09	100YR-24HR	9.95	3.48	0.0001	3.02	3.00	752
EX5S10	100YR-24HR	9.93	4.68	0.0001	0.65	0.65	113
EX5S11	100YR-24HR	9.93	4.64	0.0001	0.49	0.49	113
EX5S12	100YR-24HR	9.95	4.17	0.0007	3.30	3.27	638
EX5S13	100YR-24HR	9.95	5.40	0.0001	0.59	0.60	113
EX5S14	100YR-24HR	8.75	4.17	0.0010	2.58	2.58	447
EX5S15	100YR-24HR	10.25	3.48	0.0002	3.78	3.77	721
EX5S16	100YR-24HR	9.98	4.78	0.0002	0.99	0.99	113
EX5S17	100YR-24HR	9.99	5.81	0.0001	0.45	0.45	113
EX5S18	100YR-24HR	8.95	4.17	0.0003	3.25	3.27	531
EX5S19	100YR-24HR	10.47	5.56	0.0004	3.57	3.57	159
EX5S21	100YR-24HR	9.35	3.48	0.0002	3.51	3.51	459
EX5S22	100YR-24HR	10.42	5.09	0.0002	2.69	2.69	259
EX5S22A	100YR-24HR	10.67	5.85	0.0001	3.24	3.24	263
EX5S23	100YR-24HR	10.87	6.02	0.0001	2.92	2.92	235
EX5S24	100YR-24HR	10.95	6.03	0.0001	2.07	2.07	441
EX5S24A	100YR-24HR	11.06	6.16	0.0002	2.63	2.63	215
EX5S25	100YR-24HR	11.28	6.28	0.0001	2.34	2.34	194
EX5S26	100YR-24HR	11.55	6.43	0.0002	2.04	2.04	147
EX5S27	100YR-24HR	11.54	6.96	0.0001	1.39	1.39	377
EX5S28	100YR-24HR	12.37	8.42	0.0003	1.35	1.35	113
EX5S29	100YR-24HR	11.74	7.15	0.0003	1.81	1.81	113
EX5S30	100YR-24HR	12.45	8.53	0.0008	1.30	1.30	170
EX5S31	100YR-24HR	12.31	7.38	0.0001	0.72	0.72	290
EX5S32	100YR-24HR	13.06	8.92	0.0001	0.86	0.86	183
EX5S33	100YR-24HR	12.66	7.69	0.0001	0.24	0.24	116
O401	100YR-24HR	3.45	1.45	0.0000	50.15	0.56	0
O402	100YR-24HR	3.45	1.45	0.0000	13.96	0.00	0
POND401	100YR-24HR	9.95	7.91	0.0004	13.19	6.54	57099
SWALE 4E1	100YR-24HR	8.17	4.93	0.0008	8.07	7.85	23445
SWALE 4W1	100YR-24HR	7.45	4.96	0.0005	2.35	2.32	6453
4GW1	100YR-8HR	7.45	2.65	0.0000	7.16	0.00	0
4GW2	100YR-8HR	7.45	2.65	0.0000	7.72	0.00	0
4GW3	100YR-8HR	7.45	2.65	0.0000	3.13	0.00	0
4GW4	100YR-8HR	7.45	2.65	0.0000	17.82	0.00	0
4GW5	100YR-8HR	7.45	2.65	0.0000	22.24	0.00	0
5GW1	100YR-8HR	7.45	2.65	0.0000	5.27	0.00	0
5GW2	100YR-8HR	7.45	2.65	0.0000	5.38	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
5GW3	100YR-8HR	7.45	2.65	0.0000	4.59	0.00	0
5GW4	100YR-8HR	7.45	2.65	0.0000	6.43	0.00	0
5GW5	100YR-8HR	7.45	2.65	0.0000	11.16	0.00	0
5GW6	100YR-8HR	7.45	2.65	0.0000	11.12	0.00	0
5GW7	100YR-8HR	7.45	2.65	0.0000	7.76	0.00	0
CH4_1+A	100YR-8HR	6.95	4.59	0.0002	3.85	4.93	4243
CH4_1+B	100YR-8HR	7.95	5.14	0.0002	3.76	3.85	3377
CH4_1+C	100YR-8HR	9.95	6.19	0.0001	3.77	3.76	3536
CH4_1+D	100YR-8HR	10.95	7.67	0.0001	3.82	3.77	5136
CH4_1+E	100YR-8HR	12.45	9.20	0.0001	3.81	3.82	3512
CH4_1+F	100YR-8HR	11.95	9.86	0.0002	3.81	3.81	1224
CH4_1+G	100YR-8HR	11.57	11.08	0.0002	2.07	2.07	524
CH4_2+A	100YR-8HR	10.09	7.66	0.0004	64.18	61.49	29809
CH4_3+A	100YR-8HR	12.45	10.90	0.0002	1.99	1.99	857
CH4_3+B	100YR-8HR	9.95	7.85	0.0004	7.20	7.11	2658
CH4_4+A	100YR-8HR	9.45	7.76	0.0004	46.53	46.04	3897
CH4_4+B	100YR-8HR	13.95	12.22	0.0002	1.99	1.99	707
CH4_5+A	100YR-8HR	19.25	16.45	0.0002	2.56	2.55	795
CH4_5+B	100YR-8HR	8.45	8.16	0.0003	31.12	30.88	2741
CH4_6+A	100YR-8HR	10.45	7.78	0.0005	9.36	12.69	3801
CH4_6+B	100YR-8HR	12.45	10.30	0.0002	2.56	2.55	654
CH4_7+A	100YR-8HR	9.95	8.61	0.0003	1.38	2.81	3357
CH4_8+A	100YR-8HR	10.45	7.73	0.0003	6.64	6.51	6259
CH4_8+B	100YR-8HR	8.40	7.64	0.0006	4.55	4.55	5526
CH4_9+A	100YR-8HR	8.20	7.63	0.0006	2.92	2.92	10812
CH5_1+A	100YR-8HR	9.25	6.80	0.0010	11.46	11.61	294
CH5_1+B	100YR-8HR	9.00	6.81	0.0003	0.81	1.28	649
CH5_1+C	100YR-8HR	9.45	7.31	0.0000	0.61	0.61	791
CH5_1+D	100YR-8HR	9.35	8.08	0.0000	0.42	0.42	728
CH5_1+E	100YR-8HR	9.38	8.68	0.0000	0.26	0.25	578
CH5_1+F	100YR-8HR	9.07	8.81	0.0000	0.13	0.13	347
EX4S02	100YR-8HR	10.90	2.90	0.0003	1.46	1.46	113
EX4S03+A	100YR-8HR	5.45	2.87	0.0006	141.52	141.52	856
EX4S03+B	100YR-8HR	5.45	1.85	0.0033	141.52	141.52	113
EX4S04	100YR-8HR	8.11	3.50	0.0007	1.58	1.57	113
EX4S05	100YR-8HR	7.12	3.47	0.0009	3.56	3.55	113
EX4S06	100YR-8HR	4.95	3.43	0.0010	139.59	139.58	1844
EX4S07	100YR-8HR	6.96	4.21	0.0009	2.39	3.19	113
EX4S08	100YR-8HR	5.95	3.92	0.0010	131.39	131.40	2036
EX4S09	100YR-8HR	6.95	4.63	0.0010	124.07	124.15	1529
EX4S10	100YR-8HR	7.03	4.03	0.0010	4.84	4.28	113
EX4S101	100YR-8HR	6.45	4.56	0.0003	21.20	21.11	2329
EX4S102	100YR-8HR	12.64	10.34	0.0003	1.74	1.74	113
EX4S104	100YR-8HR	16.95	11.27	0.0002	2.07	2.07	113
EX4S106	100YR-8HR	24.00	18.30	0.0002	2.47	2.47	113
EX4S107	100YR-8HR	30.00	25.17	0.0002	2.31	2.31	113
EX4S108	100YR-8HR	21.00	18.40	0.0002	1.26	1.26	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S109	100YR-8HR	28.00	25.29	0.0002	1.18	1.18	113
EX4S11	100YR-8HR	10.25	9.00	0.0217	5.86	24.53	113
EX4S12	100YR-8HR	7.45	5.59	0.0265	110.53	103.05	30734
EX4S14	100YR-8HR	11.75	10.50	0.0214	6.36	24.17	113
EX4S15	100YR-8HR	27.50	23.62	0.0004	1.99	1.99	113
EX4S16	100YR-8HR	11.38	5.59	0.0004	0.73	0.72	113
EX4S17	100YR-8HR	11.51	5.60	0.0013	2.43	3.56	113
EX4S18	100YR-8HR	12.28	7.46	0.0003	1.18	1.18	113
EX4S19	100YR-8HR	16.07	13.16	0.0003	2.23	2.23	113
EX4S20	100YR-8HR	26.30	23.62	0.0002	1.99	1.99	113
EX4S21	100YR-8HR	30.00	27.55	0.0003	1.14	1.14	113
EX4S22	100YR-8HR	24.00	22.18	0.0003	0.85	0.85	113
EX4S23	100YR-8HR	19.00	15.68	0.0002	0.85	0.85	113
EX4S24	100YR-8HR	11.00	8.65	0.0003	1.42	1.41	113
EX4S25	100YR-8HR	11.00	8.81	0.0002	1.74	1.74	113
EX4S26	100YR-8HR	28.00	26.57	0.0002	2.31	2.31	113
EX4S27	100YR-8HR	23.00	20.92	0.0002	2.03	2.03	113
EX4S28	100YR-8HR	18.00	14.49	0.0002	2.43	2.43	113
EX4S29	100YR-8HR	16.00	7.87	0.0004	11.14	11.14	375
EX4S30	100YR-8HR	14.00	8.30	0.0004	8.88	8.88	457
EX4S31	100YR-8HR	13.00	8.61	0.0003	7.88	7.88	409
EX4S32	100YR-8HR	13.00	8.99	0.0004	2.84	2.84	113
EX4S33	100YR-8HR	12.70	8.72	0.0004	4.57	4.57	280
EX4S35	100YR-8HR	9.95	7.84	0.0004	8.05	8.20	709
EX4S36	100YR-8HR	9.52	7.85	0.0004	36.18	36.58	2341
EX4S37	100YR-8HR	10.00	9.73	0.0011	9.32	9.36	310
EX4S38	100YR-8HR	10.00	9.47	0.0009	9.77	9.81	483
EX4S39	100YR-8HR	11.00	9.13	0.0010	12.00	11.89	561
EX4S40	100YR-8HR	12.00	8.94	0.0008	12.54	12.46	564
EX4S41	100YR-8HR	12.00	8.71	0.0008	12.81	12.74	392
EX4S42	100YR-8HR	13.00	8.59	0.0009	15.36	15.34	563
EX4S43	100YR-8HR	11.00	7.99	0.0010	15.48	15.35	1501
EX4S43A	100YR-8HR	11.00	8.22	0.0010	15.34	15.32	990
EX4S44	100YR-8HR	11.00	7.87	0.0010	12.15	12.11	732
EX4S45	100YR-8HR	11.00	7.84	0.0010	13.43	13.19	2230
EX4S46	100YR-8HR	8.83	7.83	0.0006	8.99	9.30	1251
EX4S46A	100YR-8HR	10.90	7.83	0.0010	9.63	10.14	1811
EX4S47	100YR-8HR	9.90	7.86	0.0007	0.65	0.70	113
EX4S48	100YR-8HR	9.98	7.76	0.0007	0.69	0.69	113
EX4S49	100YR-8HR	10.45	7.72	0.0005	50.25	50.15	4085
EX4S50	100YR-8HR	8.91	7.77	0.0010	3.48	3.46	113
EX4S50A	100YR-8HR	8.42	7.69	0.0005	14.33	14.06	1811
EX4S51	100YR-8HR	11.00	8.36	0.0008	10.98	10.96	354
EX4S51A	100YR-8HR	8.45	7.70	0.0007	10.96	10.89	545
EX4S52	100YR-8HR	11.00	8.77	0.0014	16.36	16.34	2000
EX4S53	100YR-8HR	11.00	8.76	0.0018	13.95	14.00	2319
EX4S54	100YR-8HR	11.00	9.30	0.0010	8.93	8.89	895

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S55	100YR-8HR	11.00	9.30	0.0010	3.19	3.26	351
EX4S56	100YR-8HR	9.00	9.30	0.0020	1.64	2.94	8715
EX4S57	100YR-8HR	10.00	10.11	0.0038	9.13	8.75	68806
EX4S58	100YR-8HR	11.00	9.22	0.0009	2.00	2.13	113
EX4S59	100YR-8HR	13.00	8.62	0.0006	1.11	1.38	113
EX4S60	100YR-8HR	11.00	8.20	0.0001	1.27	1.58	2108
EX4S61	100YR-8HR	11.00	7.93	0.0002	2.70	3.07	6472
EX4S62	100YR-8HR	8.95	8.61	0.0010	4.18	4.04	643
EX4S63	100YR-8HR	8.48	8.61	0.0003	29.27	28.60	4058
EX4S64	100YR-8HR	8.95	8.08	0.0004	33.51	33.43	1456
EX4S65	100YR-8HR	9.90	8.09	0.0010	0.36	0.24	113
EX4S66	100YR-8HR	9.98	7.77	0.0005	0.41	0.64	113
EX4S67	100YR-8HR	8.90	7.77	0.0012	15.70	11.78	2867
EX4S68	100YR-8HR	9.01	7.78	0.0010	3.12	2.96	1087
EX4S69	100YR-8HR	9.45	7.78	0.0005	6.48	6.83	1271
EX4S69+A	100YR-8HR	9.45	7.78	0.0005	0.10	0.06	113
EX4S70	100YR-8HR	11.00	8.53	0.0005	2.70	2.68	113
EX4S71	100YR-8HR	11.00	10.53	0.0012	8.95	8.92	113
EX4S72	100YR-8HR	11.00	8.82	0.0002	3.96	5.07	16018
EX4S73	100YR-8HR	11.00	9.53	0.0010	3.07	3.05	137
EX4S74	100YR-8HR	11.00	9.52	0.0010	3.02	3.00	113
EX4S75	100YR-8HR	26.12	23.21	0.0003	2.55	2.56	113
EX4S76	100YR-8HR	25.91	23.21	0.0003	2.55	2.56	113
EX4S78	100YR-8HR	20.72	14.00	0.0003	1.38	1.38	113
EX4S79	100YR-8HR	15.24	7.79	0.0010	2.31	2.31	113
EX4S80	100YR-8HR	12.87	7.79	0.0003	2.39	2.39	113
EX4S80A	100YR-8HR	10.70	7.78	0.0009	2.39	2.68	113
EX4S81	100YR-8HR	11.22	7.79	0.0009	1.78	2.59	113
EX4S82	100YR-8HR	8.70	7.78	0.0003	10.99	10.79	12826
EX4S83	100YR-8HR	9.48	7.79	0.0010	1.99	2.63	113
EX4S84	100YR-8HR	9.85	7.90	0.0010	8.60	8.60	113
EX4S85	100YR-8HR	9.45	7.77	0.0017	2.51	2.51	113
EX4S86	100YR-8HR	9.58	7.75	0.0017	1.42	3.26	113
EX4S87	100YR-8HR	10.00	7.78	0.0010	2.60	2.71	113
EX4S91+A	100YR-8HR	4.95	2.66	0.0018	39.63	39.63	113
EX4S91+B	100YR-8HR	4.95	1.70	0.0010	39.63	39.63	113
EX4S92	100YR-8HR	6.74	3.11	0.0043	4.08	8.06	113
EX4S93	100YR-8HR	10.20	2.80	0.0002	1.09	1.09	113
EX4S94	100YR-8HR	8.39	3.15	0.0004	1.78	1.77	113
EX4S95	100YR-8HR	4.95	2.77	0.0010	39.56	39.56	698
EX4S96	100YR-8HR	4.95	3.06	0.0035	37.58	37.58	960
EX4S97	100YR-8HR	6.70	3.33	0.0003	1.38	1.36	113
EX4S98	100YR-8HR	5.45	3.32	0.0002	33.17	33.17	894
EX4S99	100YR-8HR	5.85	3.61	0.0003	28.23	28.27	976
EX5S01	100YR-8HR	9.65	4.56	0.0006	3.14	3.14	456
EX5S02	100YR-8HR	9.79	4.81	0.0002	1.14	1.14	113
EX5S03	100YR-8HR	9.79	6.46	0.0010	1.14	2.79	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX5S04	100YR-8HR	9.95	6.45	0.0011	9.92	9.91	457
EX5S05	100YR-8HR	9.95	4.57	0.0006	6.25	6.24	752
EX5S06	100YR-8HR	9.87	5.00	0.0002	1.95	1.95	113
EX5S07	100YR-8HR	9.95	6.36	0.0009	1.95	3.05	113
EX5S08	100YR-8HR	9.95	6.35	0.0012	10.99	10.98	753
EX5S09	100YR-8HR	9.95	4.63	0.0006	8.27	8.27	752
EX5S10	100YR-8HR	9.93	5.01	0.0002	1.95	1.95	113
EX5S11	100YR-8HR	9.93	6.44	0.0010	1.46	2.81	113
EX5S12	100YR-8HR	9.95	6.43	0.0012	9.40	9.47	639
EX5S13	100YR-8HR	9.95	6.50	0.0010	1.78	3.47	113
EX5S14	100YR-8HR	8.75	6.49	0.0011	8.63	7.52	447
EX5S15	100YR-8HR	10.25	4.80	0.0007	10.72	10.71	722
EX5S16	100YR-8HR	9.98	5.20	0.0003	2.96	2.96	113
EX5S17	100YR-8HR	9.99	6.54	0.0015	1.34	3.59	113
EX5S18	100YR-8HR	8.95	6.54	0.0012	11.68	9.45	531
EX5S19	100YR-8HR	10.47	7.00	0.0009	10.54	10.52	161
EX5S21	100YR-8HR	9.35	5.08	0.0007	10.34	10.33	460
EX5S22	100YR-8HR	10.42	5.78	0.0003	8.07	8.07	269
EX5S22A	100YR-8HR	10.67	7.34	0.0006	9.59	9.57	264
EX5S23	100YR-8HR	10.87	7.60	0.0006	8.64	8.62	237
EX5S24	100YR-8HR	10.95	6.60	0.0003	6.20	6.20	451
EX5S24A	100YR-8HR	11.06	7.80	0.0007	7.82	7.80	216
EX5S25	100YR-8HR	11.28	7.99	0.0007	6.95	6.93	194
EX5S26	100YR-8HR	11.55	8.44	0.0008	6.09	6.06	147
EX5S27	100YR-8HR	11.54	7.50	0.0003	4.18	4.18	384
EX5S28	100YR-8HR	12.37	8.95	0.0004	4.06	4.06	113
EX5S29	100YR-8HR	11.74	8.75	0.0009	5.43	5.40	113
EX5S30	100YR-8HR	12.45	9.11	0.0008	3.89	3.89	175
EX5S31	100YR-8HR	12.31	7.72	0.0002	2.15	2.15	315
EX5S32	100YR-8HR	13.06	9.31	0.0003	2.60	2.60	214
EX5S33	100YR-8HR	12.66	7.88	0.0001	0.73	0.73	134
O401	100YR-8HR	3.45	1.45	0.0000	141.52	0.50	0
O402	100YR-8HR	3.45	1.45	0.0000	39.63	0.00	0
POND401	100YR-8HR	9.95	7.78	0.0008	42.60	4.28	56692
SWALE 4E1	100YR-8HR	8.17	5.48	0.0010	23.37	21.02	26321
SWALE 4W1	100YR-8HR	7.45	5.35	0.0005	6.75	6.45	7718
4GW1	10YR-1HR	7.45	1.45	0.0000	6.36	0.00	0
4GW2	10YR-1HR	7.45	1.45	0.0000	6.56	0.00	0
4GW3	10YR-1HR	7.45	1.45	0.0000	2.57	0.00	0
4GW4	10YR-1HR	7.45	1.45	0.0000	14.50	0.00	0
4GW5	10YR-1HR	7.45	1.45	0.0000	19.33	0.00	0
5GW1	10YR-1HR	7.45	1.45	0.0000	5.64	0.00	0
5GW2	10YR-1HR	7.45	1.45	0.0000	5.77	0.00	0
5GW3	10YR-1HR	7.45	1.45	0.0000	4.94	0.00	0
5GW4	10YR-1HR	7.45	1.45	0.0000	6.97	0.00	0
5GW5	10YR-1HR	7.45	1.45	0.0000	10.66	0.00	0
5GW6	10YR-1HR	7.45	1.45	0.0000	10.92	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
5GW7	10YR-1HR	7.45	1.45	0.0000	8.13	0.00	0
CH4_1+A	10YR-1HR	6.95	4.20	0.0002	4.19	4.28	3345
CH4_1+B	10YR-1HR	7.95	5.15	0.0003	4.49	4.19	3265
CH4_1+C	10YR-1HR	9.95	6.29	0.0003	4.52	4.49	3760
CH4_1+D	10YR-1HR	10.95	7.73	0.0002	4.99	4.52	5384
CH4_1+E	10YR-1HR	12.45	9.36	0.0001	5.08	4.99	3845
CH4_1+F	10YR-1HR	11.95	9.95	0.0001	5.05	5.08	1352
CH4_1+G	10YR-1HR	11.57	11.16	0.0003	2.75	2.74	577
CH4_2+A	10YR-1HR	10.09	6.86	0.0005	33.95	23.49	22407
CH4_3+A	10YR-1HR	12.45	10.97	0.0002	2.64	2.63	699
CH4_3+B	10YR-1HR	9.95	7.03	0.0002	6.32	6.28	2170
CH4_4+A	10YR-1HR	9.45	6.94	0.0003	29.79	28.20	3642
CH4_4+B	10YR-1HR	13.95	12.27	0.0002	2.64	2.64	570
CH4_5+A	10YR-1HR	19.25	16.50	0.0003	3.40	3.39	718
CH4_5+B	10YR-1HR	8.45	7.70	0.0003	23.91	23.84	2320
CH4_6+A	10YR-1HR	10.45	6.95	0.0002	7.95	6.30	3112
CH4_6+B	10YR-1HR	12.45	10.33	0.0003	3.40	3.40	516
CH4_7+A	10YR-1HR	9.95	8.07	0.0003	2.40	2.28	2640
CH4_8+A	10YR-1HR	10.45	7.75	0.0002	10.34	7.24	6309
CH4_8+B	10YR-1HR	8.40	7.65	0.0006	5.04	4.90	5558
CH4_9+A	10YR-1HR	8.20	6.87	0.0003	1.10	0.16	9231
CH5_1+A	10YR-1HR	9.25	6.06	0.0010	13.66	13.54	227
CH5_1+B	10YR-1HR	9.00	6.27	0.0001	0.35	0.38	638
CH5_1+C	10YR-1HR	9.45	7.24	0.0000	0.27	0.27	791
CH5_1+D	10YR-1HR	9.35	8.03	0.0000	0.18	0.18	728
CH5_1+E	10YR-1HR	9.38	8.63	0.0000	0.11	0.10	578
CH5_1+F	10YR-1HR	9.07	8.75	0.0000	0.06	0.05	347
EX4S02	10YR-1HR	10.90	2.46	0.0004	1.94	2.26	113
EX4S03+A	10YR-1HR	5.45	2.43	0.0005	73.12	73.11	857
EX4S03+B	10YR-1HR	5.45	1.56	0.0033	73.11	73.11	113
EX4S04	10YR-1HR	8.11	2.73	0.0007	2.10	2.10	113
EX4S05	10YR-1HR	7.12	2.61	0.0013	4.74	5.51	113
EX4S06	10YR-1HR	4.95	2.56	0.0003	71.64	71.64	1844
EX4S07	10YR-1HR	6.96	4.16	0.0008	3.18	3.18	113
EX4S08	10YR-1HR	5.95	2.68	0.0002	65.73	65.80	2036
EX4S09	10YR-1HR	6.95	2.84	0.0003	60.51	60.66	1527
EX4S10	10YR-1HR	7.03	2.78	0.0003	5.44	5.45	113
EX4S101	10YR-1HR	6.45	4.13	0.0003	13.87	13.32	2200
EX4S102	10YR-1HR	12.64	10.46	0.0003	2.32	2.32	113
EX4S104	10YR-1HR	16.95	11.40	0.0003	2.75	2.75	113
EX4S106	10YR-1HR	24.00	18.43	0.0003	3.29	3.28	113
EX4S107	10YR-1HR	30.00	25.30	0.0005	3.07	3.07	113
EX4S108	10YR-1HR	21.00	18.54	0.0002	1.67	1.67	113
EX4S109	10YR-1HR	28.00	25.42	0.0002	1.56	1.56	113
EX4S11	10YR-1HR	10.25	9.00	0.0217	3.06	24.53	113
EX4S12	10YR-1HR	7.45	4.51	0.0265	48.70	43.90	22716
EX4S14	10YR-1HR	11.75	10.50	0.0214	4.18	24.17	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S15	10YR-1HR	27.50	23.72	0.0005	2.64	2.64	113
EX4S16	10YR-1HR	11.38	5.16	0.0001	0.97	0.97	113
EX4S17	10YR-1HR	11.51	5.42	0.0004	3.24	3.23	113
EX4S18	10YR-1HR	12.28	7.54	0.0002	1.56	1.56	113
EX4S19	10YR-1HR	16.07	13.29	0.0004	2.97	2.96	113
EX4S20	10YR-1HR	26.30	23.72	0.0003	2.64	2.64	113
EX4S21	10YR-1HR	30.00	27.63	0.0002	1.51	1.51	113
EX4S22	10YR-1HR	24.00	22.25	0.0005	1.13	1.13	113
EX4S23	10YR-1HR	19.00	15.75	0.0002	1.13	1.13	113
EX4S24	10YR-1HR	11.00	8.77	0.0003	1.89	1.83	113
EX4S25	10YR-1HR	11.00	8.91	0.0003	2.32	2.25	129
EX4S26	10YR-1HR	28.00	26.70	0.0005	3.07	3.07	113
EX4S27	10YR-1HR	23.00	21.03	0.0003	2.69	2.69	113
EX4S28	10YR-1HR	18.00	14.62	0.0004	3.23	3.23	113
EX4S29	10YR-1HR	16.00	7.98	0.0004	12.23	12.22	375
EX4S30	10YR-1HR	14.00	8.41	0.0003	9.34	9.34	457
EX4S31	10YR-1HR	13.00	8.70	0.0003	8.08	8.05	409
EX4S32	10YR-1HR	13.00	8.86	0.0004	1.67	1.70	113
EX4S33	10YR-1HR	12.70	8.77	0.0004	3.86	3.87	282
EX4S35	10YR-1HR	9.95	6.98	0.0002	7.05	7.06	485
EX4S36	10YR-1HR	9.52	7.04	0.0003	26.74	26.33	2150
EX4S37	10YR-1HR	10.00	7.42	0.0007	6.94	6.84	310
EX4S38	10YR-1HR	10.00	7.20	0.0006	7.79	7.70	483
EX4S39	10YR-1HR	11.00	6.91	0.0008	11.26	10.79	566
EX4S40	10YR-1HR	12.00	6.76	0.0004	11.47	11.33	564
EX4S41	10YR-1HR	12.00	6.59	0.0004	11.76	11.59	392
EX4S42	10YR-1HR	13.00	6.50	0.0004	13.89	13.68	656
EX4S43	10YR-1HR	11.00	5.75	0.0013	12.88	12.72	1508
EX4S43A	10YR-1HR	11.00	6.18	0.0010	13.68	13.46	1022
EX4S44	10YR-1HR	11.00	5.39	0.0012	8.77	8.72	732
EX4S45	10YR-1HR	11.00	5.16	0.0012	9.73	8.41	2235
EX4S46	10YR-1HR	8.83	6.64	0.0012	8.57	8.59	618
EX4S46A	10YR-1HR	10.90	5.27	0.0012	8.59	8.47	1867
EX4S47	10YR-1HR	9.90	7.32	0.0009	0.86	1.01	113
EX4S48	10YR-1HR	9.98	7.21	0.0010	0.92	0.92	113
EX4S49	10YR-1HR	10.45	6.88	0.0004	31.25	28.56	3719
EX4S50	10YR-1HR	8.91	6.90	0.0015	4.45	4.44	113
EX4S50A	10YR-1HR	8.42	6.87	0.0005	6.54	6.48	1178
EX4S51	10YR-1HR	11.00	6.86	0.0005	3.85	3.84	354
EX4S51A	10YR-1HR	8.45	6.87	0.0007	2.29	2.27	362
EX4S52	10YR-1HR	11.00	6.74	0.0012	12.47	10.71	2004
EX4S53	10YR-1HR	11.00	6.74	0.0012	12.20	9.66	2002
EX4S54	10YR-1HR	11.00	7.11	0.0009	9.26	9.33	983
EX4S55	10YR-1HR	11.00	7.13	0.0010	1.40	1.44	353
EX4S56	10YR-1HR	9.00	7.14	0.0009	0.94	0.95	183
EX4S57	10YR-1HR	10.00	7.71	0.0009	5.60	5.51	113
EX4S58	10YR-1HR	11.00	7.48	0.0008	1.78	2.38	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S59	10YR-1HR	13.00	8.33	0.0002	1.07	1.07	113
EX4S60	10YR-1HR	11.00	8.19	0.0001	1.28	1.12	2087
EX4S61	10YR-1HR	11.00	7.72	0.0001	2.70	2.02	4999
EX4S62	10YR-1HR	8.95	8.08	0.0018	5.55	5.26	486
EX4S63	10YR-1HR	8.48	8.06	0.0003	21.34	20.95	3306
EX4S64	10YR-1HR	8.95	7.46	0.0002	25.29	25.28	1345
EX4S65	10YR-1HR	9.90	7.46	0.0016	1.77	0.28	113
EX4S66	10YR-1HR	9.98	6.95	0.0010	0.54	0.50	113
EX4S67	10YR-1HR	8.90	6.95	0.0002	7.53	6.34	2548
EX4S68	10YR-1HR	9.01	6.97	0.0015	4.15	4.08	668
EX4S69	10YR-1HR	9.45	6.95	0.0003	5.18	4.69	969
EX4S69+A	10YR-1HR	9.45	6.95	0.0003	0.37	0.04	113
EX4S70	10YR-1HR	11.00	7.09	0.0001	1.67	1.67	113
EX4S71	10YR-1HR	11.00	8.26	0.0016	5.75	6.88	113
EX4S72	10YR-1HR	11.00	8.38	0.0001	2.85	1.55	9184
EX4S73	10YR-1HR	11.00	8.02	0.0001	2.51	2.51	137
EX4S74	10YR-1HR	11.00	7.80	0.0002	1.89	1.89	113
EX4S75	10YR-1HR	26.12	23.35	0.0004	3.40	3.40	113
EX4S76	10YR-1HR	25.91	23.35	0.0004	3.40	3.40	113
EX4S78	10YR-1HR	20.72	14.09	0.0002	1.83	1.83	113
EX4S79	10YR-1HR	15.24	7.58	0.0005	3.07	3.07	113
EX4S80	10YR-1HR	12.87	7.64	0.0004	3.18	3.18	113
EX4S80A	10YR-1HR	10.70	7.48	0.0009	3.18	3.71	113
EX4S81	10YR-1HR	11.22	6.73	0.0003	2.37	2.37	113
EX4S82	10YR-1HR	8.70	7.08	0.0009	14.60	12.51	12580
EX4S83	10YR-1HR	9.48	6.87	0.0003	2.64	2.64	113
EX4S84	10YR-1HR	9.85	8.31	0.0007	11.43	11.42	113
EX4S85	10YR-1HR	9.45	7.81	0.0017	3.34	3.28	113
EX4S86	10YR-1HR	9.58	7.77	0.0013	1.89	3.68	113
EX4S87	10YR-1HR	10.00	7.96	0.0010	3.45	3.45	113
EX4S91+A	10YR-1HR	4.95	2.54	0.0013	30.44	30.44	113
EX4S91+B	10YR-1HR	4.95	1.60	0.0010	30.44	30.44	113
EX4S92	10YR-1HR	6.74	2.86	0.0009	5.42	5.38	113
EX4S93	10YR-1HR	10.20	2.64	0.0003	1.46	1.42	113
EX4S94	10YR-1HR	8.39	2.92	0.0003	2.37	2.34	113
EX4S95	10YR-1HR	4.95	2.61	0.0003	30.39	30.38	698
EX4S96	10YR-1HR	4.95	2.76	0.0002	28.46	28.47	960
EX4S97	10YR-1HR	6.70	2.92	0.0006	1.83	2.22	113
EX4S98	10YR-1HR	5.45	2.89	0.0002	23.66	23.71	895
EX4S99	10YR-1HR	5.85	3.03	0.0003	19.26	19.35	977
EX5S01	10YR-1HR	9.65	3.63	0.0008	3.31	2.82	458
EX5S02	10YR-1HR	9.79	4.90	0.0002	1.51	1.51	113
EX5S03	10YR-1HR	9.79	5.33	0.0010	1.51	3.05	113
EX5S04	10YR-1HR	9.95	5.33	0.0012	9.34	7.90	459
EX5S05	10YR-1HR	9.95	3.63	0.0007	7.34	6.80	754
EX5S06	10YR-1HR	9.87	5.13	0.0003	2.59	2.59	113
EX5S07	10YR-1HR	9.95	5.30	0.0010	2.59	3.05	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX5S08	10YR-1HR	9.95	5.29	0.0010	11.24	10.60	754
EX5S09	10YR-1HR	9.95	3.72	0.0005	9.51	9.22	753
EX5S10	10YR-1HR	9.93	5.14	0.0003	2.59	2.59	113
EX5S11	10YR-1HR	9.93	5.48	0.0009	1.94	2.98	113
EX5S12	10YR-1HR	9.95	5.47	0.0009	12.86	11.70	643
EX5S13	10YR-1HR	9.95	5.83	0.0002	2.37	2.37	113
EX5S14	10YR-1HR	8.75	5.57	0.0009	10.10	9.88	449
EX5S15	10YR-1HR	10.25	3.96	0.0005	12.20	12.16	722
EX5S16	10YR-1HR	9.98	5.38	0.0003	3.94	3.93	113
EX5S17	10YR-1HR	9.99	6.17	0.0002	1.78	1.78	113
EX5S18	10YR-1HR	8.95	5.65	0.0009	11.26	11.12	531
EX5S19	10YR-1HR	10.47	6.72	0.0004	13.40	13.40	162
EX5S21	10YR-1HR	9.35	4.33	0.0007	11.76	11.70	461
EX5S22	10YR-1HR	10.42	6.07	0.0003	10.64	10.63	269
EX5S22A	10YR-1HR	10.67	7.26	0.0005	12.17	12.17	264
EX5S23	10YR-1HR	10.87	7.68	0.0005	10.94	10.95	237
EX5S24	10YR-1HR	10.95	6.83	0.0002	8.18	8.17	451
EX5S24A	10YR-1HR	11.06	7.99	0.0006	9.88	9.88	216
EX5S25	10YR-1HR	11.28	8.29	0.0007	8.76	8.76	194
EX5S26	10YR-1HR	11.55	9.02	0.0010	7.65	7.65	147
EX5S27	10YR-1HR	11.54	7.73	0.0003	5.50	5.50	385
EX5S28	10YR-1HR	12.37	9.68	0.0009	5.14	5.10	113
EX5S29	10YR-1HR	11.74	9.51	0.0010	6.89	6.78	113
EX5S30	10YR-1HR	12.45	9.84	0.0010	5.01	4.93	176
EX5S31	10YR-1HR	12.31	7.92	0.0002	2.84	2.83	315
EX5S32	10YR-1HR	13.06	10.05	0.0010	3.45	3.30	263
EX5S33	10YR-1HR	12.66	7.98	0.0001	0.97	0.96	138
O401	10YR-1HR	3.45	1.45	0.0000	73.11	0.54	0
O402	10YR-1HR	3.45	1.45	0.0000	30.44	0.00	0
POND401	10YR-1HR	9.95	4.45	0.0005	33.54	0.00	43539
SWALE 4E1	10YR-1HR	8.17	5.29	0.0009	23.45	16.72	25306
SWALE 4W1	10YR-1HR	7.45	5.28	0.0010	6.82	5.71	7481
4GW1	10YR-24HR	7.45	2.65	0.0001	2.43	0.00	0
4GW2	10YR-24HR	7.45	2.65	0.0001	4.00	0.00	0
4GW3	10YR-24HR	7.45	2.65	0.0001	1.16	0.00	0
4GW4	10YR-24HR	7.45	2.65	0.0001	6.96	0.00	0
4GW5	10YR-24HR	7.45	2.65	0.0001	6.73	0.00	0
5GW1	10YR-24HR	7.45	2.65	0.0001	1.17	0.00	0
5GW2	10YR-24HR	7.45	2.65	0.0001	1.18	0.00	0
5GW3	10YR-24HR	7.45	2.65	0.0001	0.96	0.00	0
5GW4	10YR-24HR	7.45	2.65	0.0001	1.24	0.00	0
5GW5	10YR-24HR	7.45	2.65	0.0001	2.48	0.00	0
5GW6	10YR-24HR	7.45	2.65	0.0001	2.48	0.00	0
5GW7	10YR-24HR	7.45	2.65	0.0001	1.62	0.00	0
CH4_1+A	10YR-24HR	6.95	3.77	0.0000	0.83	0.84	2317
CH4_1+B	10YR-24HR	7.95	4.77	0.0000	0.83	0.83	2415
CH4_1+C	10YR-24HR	9.95	5.89	0.0000	0.83	0.83	2552

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
CH4_1+D	10YR-24HR	10.95	7.30	0.0000	0.84	0.83	3615
CH4_1+E	10YR-24HR	12.45	8.85	0.0000	0.84	0.84	2975
CH4_1+F	10YR-24HR	11.95	9.54	0.0001	0.84	0.84	814
CH4_1+G	10YR-24HR	11.57	10.76	0.0002	0.45	0.45	313
CH4_2+A	10YR-24HR	10.09	6.31	0.0004	11.76	11.35	17612
CH4_3+A	10YR-24HR	12.45	10.71	0.0002	0.44	0.44	413
CH4_3+B	10YR-24HR	9.95	6.46	0.0001	1.05	1.04	1495
CH4_4+A	10YR-24HR	9.45	6.39	0.0000	9.66	9.59	3125
CH4_4+B	10YR-24HR	13.95	12.06	0.0000	0.44	0.44	455
CH4_5+A	10YR-24HR	19.25	16.22	0.0002	0.56	0.56	392
CH4_5+B	10YR-24HR	8.45	7.07	0.0001	6.75	6.75	1534
CH4_6+A	10YR-24HR	10.45	6.40	0.0001	1.89	1.82	2393
CH4_6+B	10YR-24HR	12.45	10.03	0.0003	0.56	0.56	314
CH4_7+A	10YR-24HR	9.95	7.25	0.0000	0.30	0.38	1539
CH4_8+A	10YR-24HR	10.45	7.55	0.0003	1.49	5.28	5812
CH4_8+B	10YR-24HR	8.40	7.53	0.0006	2.50	1.32	5186
CH4_9+A	10YR-24HR	8.20	7.57	0.0005	1.50	1.49	10287
CH5_1+A	10YR-24HR	9.25	3.55	0.0004	2.54	2.53	222
CH5_1+B	10YR-24HR	9.00	6.23	0.0000	0.16	0.16	627
CH5_1+C	10YR-24HR	9.45	7.20	0.0000	0.12	0.12	791
CH5_1+D	10YR-24HR	9.35	8.00	0.0000	0.08	0.08	728
CH5_1+E	10YR-24HR	9.38	8.60	0.0000	0.05	0.05	578
CH5_1+F	10YR-24HR	9.07	8.71	0.0000	0.02	0.02	347
EX4S02	10YR-24HR	10.90	2.07	0.0002	0.32	0.32	113
EX4S03+A	10YR-24HR	5.45	2.05	0.0003	29.89	29.85	854
EX4S03+B	10YR-24HR	5.45	1.47	0.0040	29.85	29.90	113
EX4S04	10YR-24HR	8.11	2.41	0.0003	0.35	0.35	113
EX4S05	10YR-24HR	7.12	2.08	0.0003	0.78	0.78	113
EX4S06	10YR-24HR	4.95	2.07	0.0001	29.44	29.45	1844
EX4S07	10YR-24HR	6.96	3.61	0.0005	0.53	0.53	113
EX4S08	10YR-24HR	5.95	2.09	0.0001	27.49	27.51	2036
EX4S09	10YR-24HR	6.95	2.13	0.0001	25.73	25.75	1088
EX4S10	10YR-24HR	7.03	2.10	0.0001	0.90	0.90	113
EX4S101	10YR-24HR	6.45	3.60	0.0000	4.54	4.53	1751
EX4S102	10YR-24HR	12.64	9.97	0.0001	0.38	0.38	113
EX4S104	10YR-24HR	16.95	10.89	0.0001	0.45	0.45	113
EX4S106	10YR-24HR	24.00	17.88	0.0001	0.54	0.54	113
EX4S107	10YR-24HR	30.00	24.77	0.0002	0.51	0.51	113
EX4S108	10YR-24HR	21.00	18.00	0.0001	0.28	0.28	113
EX4S109	10YR-24HR	28.00	24.96	0.0001	0.26	0.26	113
EX4S11	10YR-24HR	10.25	9.00	0.0217	1.16	24.53	113
EX4S12	10YR-24HR	7.45	3.98	0.0265	48.70	20.98	18620
EX4S14	10YR-24HR	11.75	10.50	0.0214	1.27	24.17	113
EX4S15	10YR-24HR	27.50	23.24	0.0003	0.44	0.44	113
EX4S16	10YR-24HR	11.38	4.88	0.0001	0.16	0.16	113
EX4S17	10YR-24HR	11.51	4.88	0.0001	0.54	0.54	113
EX4S18	10YR-24HR	12.28	7.17	0.0001	0.26	0.26	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S19	10YR-24HR	16.07	12.76	0.0001	0.49	0.49	113
EX4S20	10YR-24HR	26.30	23.24	0.0001	0.44	0.44	113
EX4S21	10YR-24HR	30.00	27.27	0.0001	0.25	0.25	113
EX4S22	10YR-24HR	24.00	21.94	0.0003	0.19	0.19	113
EX4S23	10YR-24HR	19.00	15.44	0.0001	0.19	0.19	113
EX4S24	10YR-24HR	11.00	7.75	0.0001	0.31	0.31	113
EX4S25	10YR-24HR	11.00	8.04	0.0001	0.38	0.38	113
EX4S26	10YR-24HR	28.00	26.17	0.0001	0.51	0.51	113
EX4S27	10YR-24HR	23.00	20.55	0.0002	0.45	0.45	113
EX4S28	10YR-24HR	18.00	14.08	0.0001	0.54	0.54	113
EX4S29	10YR-24HR	16.00	6.88	0.0002	2.41	2.41	345
EX4S30	10YR-24HR	14.00	7.27	0.0002	1.91	1.91	431
EX4S31	10YR-24HR	13.00	7.71	0.0001	1.69	1.69	362
EX4S32	10YR-24HR	13.00	7.94	0.0004	0.57	0.57	113
EX4S33	10YR-24HR	12.70	7.90	0.0004	0.96	0.96	274
EX4S35	10YR-24HR	9.95	6.45	0.0001	1.42	1.42	324
EX4S36	10YR-24HR	9.52	6.46	0.0001	7.84	7.81	1773
EX4S37	10YR-24HR	10.00	5.67	0.0001	2.12	2.12	310
EX4S38	10YR-24HR	10.00	5.60	0.0001	2.32	2.31	483
EX4S39	10YR-24HR	11.00	5.51	0.0000	3.00	2.99	558
EX4S40	10YR-24HR	12.00	5.42	0.0000	3.14	3.14	558
EX4S41	10YR-24HR	12.00	5.32	0.0000	3.22	3.22	388
EX4S42	10YR-24HR	13.00	5.27	0.0001	3.81	3.81	594
EX4S43	10YR-24HR	11.00	4.64	0.0010	3.23	3.20	1500
EX4S43A	10YR-24HR	11.00	5.00	0.0010	3.81	3.80	996
EX4S44	10YR-24HR	11.00	4.45	0.0010	1.64	3.75	732
EX4S45	10YR-24HR	11.00	4.45	0.0010	1.46	5.33	2228
EX4S46	10YR-24HR	8.83	6.23	0.0006	1.80	1.80	406
EX4S46A	10YR-24HR	10.90	4.45	0.0010	1.80	4.52	1796
EX4S47	10YR-24HR	9.90	7.06	0.0002	0.14	0.14	113
EX4S48	10YR-24HR	9.98	6.94	0.0002	0.15	0.15	113
EX4S49	10YR-24HR	10.45	6.33	0.0000	10.44	10.35	3059
EX4S50	10YR-24HR	8.91	6.35	0.0010	0.76	0.76	113
EX4S50A	10YR-24HR	8.42	6.35	0.0003	1.46	1.44	775
EX4S51	10YR-24HR	11.00	6.36	0.0005	1.25	1.24	341
EX4S51A	10YR-24HR	8.45	6.35	0.0007	0.74	0.72	253
EX4S52	10YR-24HR	11.00	5.00	0.0010	3.88	3.72	2002
EX4S53	10YR-24HR	11.00	4.99	0.0010	3.55	3.90	1995
EX4S54	10YR-24HR	11.00	5.56	0.0001	2.16	2.16	877
EX4S55	10YR-24HR	11.00	5.71	0.0000	0.29	0.29	284
EX4S56	10YR-24HR	9.00	6.04	0.0000	0.19	0.19	131
EX4S57	10YR-24HR	10.00	5.98	0.0000	1.85	1.85	119
EX4S58	10YR-24HR	11.00	7.14	0.0000	0.43	0.43	113
EX4S59	10YR-24HR	13.00	8.07	0.0000	0.24	0.24	113
EX4S60	10YR-24HR	11.00	7.93	0.0000	0.28	0.27	1000
EX4S61	10YR-24HR	11.00	7.39	0.0000	0.58	0.57	2537
EX4S62	10YR-24HR	8.95	7.27	0.0009	0.92	0.92	248

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S63	10YR-24HR	8.48	7.24	0.0001	6.21	6.19	1995
EX4S64	10YR-24HR	8.95	6.81	0.0001	7.29	7.29	1070
EX4S65	10YR-24HR	9.90	6.81	0.0003	0.10	0.06	113
EX4S66	10YR-24HR	9.98	6.66	0.0002	0.09	0.09	113
EX4S67	10YR-24HR	8.90	6.39	0.0000	2.35	2.30	2125
EX4S68	10YR-24HR	9.01	6.44	0.0007	0.69	0.68	390
EX4S69	10YR-24HR	9.45	6.40	0.0003	1.35	1.33	684
EX4S69+A	10YR-24HR	9.45	6.40	0.0000	0.01	0.01	113
EX4S70	10YR-24HR	11.00	6.77	0.0000	0.54	0.54	113
EX4S71	10YR-24HR	11.00	7.34	0.0001	1.82	1.82	113
EX4S72	10YR-24HR	11.00	8.20	0.0000	0.82	0.75	6345
EX4S73	10YR-24HR	11.00	7.55	0.0000	0.64	0.64	126
EX4S74	10YR-24HR	11.00	7.51	0.0001	0.60	0.60	113
EX4S75	10YR-24HR	26.12	22.78	0.0001	0.56	0.56	113
EX4S76	10YR-24HR	25.91	22.78	0.0001	0.56	0.56	113
EX4S78	10YR-24HR	20.72	13.69	0.0001	0.30	0.30	113
EX4S79	10YR-24HR	15.24	7.63	0.0002	0.51	0.51	113
EX4S80	10YR-24HR	12.87	7.63	0.0001	0.53	0.53	113
EX4S80A	10YR-24HR	10.70	7.63	0.0005	0.53	0.53	113
EX4S81	10YR-24HR	11.22	7.63	0.0006	0.39	0.75	113
EX4S82	10YR-24HR	8.70	7.63	0.0002	2.84	2.41	12042
EX4S83	10YR-24HR	9.48	7.63	0.0007	0.44	0.62	113
EX4S84	10YR-24HR	9.85	7.63	0.0018	1.89	2.47	113
EX4S85	10YR-24HR	9.45	7.55	0.0017	1.88	0.58	113
EX4S86	10YR-24HR	9.58	7.55	0.0008	0.90	0.34	113
EX4S87	10YR-24HR	10.00	7.55	0.0002	0.57	0.57	113
EX4S91+A	10YR-24HR	4.95	2.19	0.0020	9.23	8.55	113
EX4S91+B	10YR-24HR	4.95	1.46	0.0010	8.55	8.57	113
EX4S92	10YR-24HR	6.74	2.22	0.0005	0.90	0.90	113
EX4S93	10YR-24HR	10.20	2.20	0.0002	0.24	0.25	113
EX4S94	10YR-24HR	8.39	2.27	0.0001	0.39	0.39	113
EX4S95	10YR-24HR	4.95	2.20	0.0005	8.56	9.22	697
EX4S96	10YR-24HR	4.95	2.21	0.0001	8.11	8.13	960
EX4S97	10YR-24HR	6.70	2.32	0.0003	0.30	0.30	113
EX4S98	10YR-24HR	5.45	2.23	0.0001	7.13	7.14	894
EX4S99	10YR-24HR	5.85	2.25	0.0001	6.05	6.06	657
EX5S01	10YR-24HR	9.65	3.04	0.0001	1.58	1.59	455
EX5S02	10YR-24HR	9.79	4.51	0.0001	0.25	0.25	113
EX5S03	10YR-24HR	9.79	4.53	0.0001	0.25	0.25	113
EX5S04	10YR-24HR	9.95	3.53	0.0001	2.20	2.19	456
EX5S05	10YR-24HR	9.95	3.04	0.0001	1.44	1.42	751
EX5S06	10YR-24HR	9.87	4.60	0.0001	0.43	0.43	113
EX5S07	10YR-24HR	9.95	4.61	0.0004	0.43	0.43	113
EX5S08	10YR-24HR	9.95	3.52	0.0001	2.48	2.47	752
EX5S09	10YR-24HR	9.95	3.05	0.0001	1.91	1.89	752
EX5S10	10YR-24HR	9.93	4.60	0.0001	0.43	0.43	113
EX5S11	10YR-24HR	9.93	4.57	0.0001	0.32	0.32	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX5S12	10YR-24HR	9.95	3.53	0.0001	2.16	2.14	637
EX5S13	10YR-24HR	9.95	5.32	0.0001	0.39	0.39	113
EX5S14	10YR-24HR	8.75	3.53	0.0002	1.74	1.72	447
EX5S15	10YR-24HR	10.25	3.06	0.0002	2.40	2.38	721
EX5S16	10YR-24HR	9.98	4.68	0.0002	0.65	0.65	113
EX5S17	10YR-24HR	9.99	5.74	0.0001	0.29	0.29	113
EX5S18	10YR-24HR	8.95	3.54	0.0002	2.12	2.15	531
EX5S19	10YR-24HR	10.47	5.38	0.0004	2.35	2.35	154
EX5S21	10YR-24HR	9.35	3.07	0.0003	2.23	2.21	459
EX5S22	10YR-24HR	10.42	4.93	0.0002	1.77	1.77	245
EX5S22A	10YR-24HR	10.67	5.67	0.0002	2.14	2.14	254
EX5S23	10YR-24HR	10.87	5.82	0.0001	1.93	1.93	226
EX5S24	10YR-24HR	10.95	5.89	0.0002	1.36	1.36	421
EX5S24A	10YR-24HR	11.06	5.96	0.0002	1.74	1.74	207
EX5S25	10YR-24HR	11.28	6.08	0.0001	1.54	1.54	188
EX5S26	10YR-24HR	11.55	6.25	0.0002	1.35	1.35	145
EX5S27	10YR-24HR	11.54	6.83	0.0002	0.92	0.92	360
EX5S28	10YR-24HR	12.37	8.30	0.0002	0.89	0.89	113
EX5S29	10YR-24HR	11.74	7.00	0.0003	1.20	1.19	113
EX5S30	10YR-24HR	12.45	8.42	0.0009	0.86	0.86	162
EX5S31	10YR-24HR	12.31	7.29	0.0001	0.47	0.47	272
EX5S32	10YR-24HR	13.06	8.83	0.0001	0.57	0.57	169
EX5S33	10YR-24HR	12.66	7.65	0.0001	0.16	0.16	113
O401	10YR-24HR	3.45	1.45	0.0000	29.90	0.53	0
O402	10YR-24HR	3.45	1.45	0.0000	8.57	0.00	0
POND401	10YR-24HR	9.95	7.63	0.0001	8.87	1.87	56181
SWALE 4E1	10YR-24HR	8.17	4.77	0.0007	4.96	4.76	22630
SWALE 4W1	10YR-24HR	7.45	4.84	0.0005	1.42	1.38	6057
4GW1	10YR-8HR	7.45	1.45	0.0000	6.00	0.00	0
4GW2	10YR-8HR	7.45	1.45	0.0000	6.19	0.00	0
4GW3	10YR-8HR	7.45	1.45	0.0000	2.42	0.00	0
4GW4	10YR-8HR	7.45	1.45	0.0000	14.09	0.00	0
4GW5	10YR-8HR	7.45	1.45	0.0000	19.80	0.00	0
5GW1	10YR-8HR	7.45	1.45	0.0000	3.54	0.00	0
5GW2	10YR-8HR	7.45	1.45	0.0000	3.62	0.00	0
5GW3	10YR-8HR	7.45	1.45	0.0000	3.06	0.00	0
5GW4	10YR-8HR	7.45	1.45	0.0000	4.17	0.00	0
5GW5	10YR-8HR	7.45	1.45	0.0000	7.61	0.00	0
5GW6	10YR-8HR	7.45	1.45	0.0000	7.62	0.00	0
5GW7	10YR-8HR	7.45	1.45	0.0000	5.17	0.00	0
CH4_1+A	10YR-8HR	6.95	4.23	0.0001	2.67	3.10	3410
CH4_1+B	10YR-8HR	7.95	5.00	0.0001	2.68	2.67	2937
CH4_1+C	10YR-8HR	9.95	6.12	0.0001	2.66	2.68	3257
CH4_1+D	10YR-8HR	10.95	7.56	0.0001	2.70	2.66	4676
CH4_1+E	10YR-8HR	12.45	9.10	0.0001	2.69	2.70	3206
CH4_1+F	10YR-8HR	11.95	9.76	0.0001	2.70	2.69	1092
CH4_1+G	10YR-8HR	11.57	10.99	0.0002	1.46	1.46	465

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
CH4_2+A	10YR-8HR	10.09	6.96	0.0003	29.59	27.04	23476
CH4_3+A	10YR-8HR	12.45	10.86	0.0003	1.41	1.57	641
CH4_3+B	10YR-8HR	9.95	7.09	0.0002	7.03	7.04	2226
CH4_4+A	10YR-8HR	9.45	7.03	0.0002	24.39	23.92	3715
CH4_4+B	10YR-8HR	13.95	12.17	0.0001	1.41	1.41	578
CH4_5+A	10YR-8HR	19.25	16.38	0.0001	1.81	1.81	626
CH4_5+B	10YR-8HR	8.45	7.61	0.0002	20.32	20.26	2199
CH4_6+A	10YR-8HR	10.45	7.04	0.0002	5.65	5.20	3221
CH4_6+B	10YR-8HR	12.45	10.23	0.0003	1.81	1.81	495
CH4_7+A	10YR-8HR	9.95	7.94	0.0003	0.98	1.55	2469
CH4_8+A	10YR-8HR	10.45	7.66	0.0003	4.96	5.28	6098
CH4_8+B	10YR-8HR	8.40	7.61	0.0006	3.36	3.35	5410
CH4_9+A	10YR-8HR	8.20	6.84	0.0009	0.27	0.02	5837
CH5_1+A	10YR-8HR	9.25	4.62	0.0010	8.08	8.07	219
CH5_1+B	10YR-8HR	9.00	6.30	0.0000	0.46	0.45	645
CH5_1+C	10YR-8HR	9.45	7.25	0.0000	0.34	0.34	791
CH5_1+D	10YR-8HR	9.35	8.05	0.0000	0.24	0.23	728
CH5_1+E	10YR-8HR	9.38	8.64	0.0000	0.14	0.14	578
CH5_1+F	10YR-8HR	9.07	8.76	0.0000	0.07	0.07	347
EX4S02	10YR-8HR	10.90	2.49	0.0003	1.03	1.02	113
EX4S03+A	10YR-8HR	5.45	2.47	0.0004	79.36	79.36	856
EX4S03+B	10YR-8HR	5.45	1.58	0.0032	79.36	79.37	113
EX4S04	10YR-8HR	8.11	2.69	0.0004	1.12	1.25	113
EX4S05	10YR-8HR	7.12	2.66	0.0004	2.51	2.49	113
EX4S06	10YR-8HR	4.95	2.64	0.0005	78.06	78.04	1844
EX4S07	10YR-8HR	6.96	3.90	0.0006	1.69	1.69	113
EX4S08	10YR-8HR	5.95	2.77	0.0003	72.47	72.51	2036
EX4S09	10YR-8HR	6.95	2.98	0.0002	67.46	67.55	1529
EX4S10	10YR-8HR	7.03	2.83	0.0004	2.90	3.35	113
EX4S101	10YR-8HR	6.45	4.16	0.0002	13.78	13.72	2091
EX4S102	10YR-8HR	12.64	10.22	0.0002	1.23	1.23	113
EX4S104	10YR-8HR	16.95	11.14	0.0002	1.46	1.46	113
EX4S106	10YR-8HR	24.00	18.17	0.0002	1.75	1.75	113
EX4S107	10YR-8HR	30.00	25.05	0.0002	1.64	1.64	113
EX4S108	10YR-8HR	21.00	18.27	0.0002	0.89	0.89	113
EX4S109	10YR-8HR	28.00	25.18	0.0001	0.83	0.83	113
EX4S11	10YR-8HR	10.25	9.00	0.0217	3.40	24.53	113
EX4S12	10YR-8HR	7.45	4.69	0.0265	55.94	53.38	23848
EX4S14	10YR-8HR	11.75	10.50	0.0214	3.78	24.17	113
EX4S15	10YR-8HR	27.50	23.51	0.0004	1.41	1.41	113
EX4S16	10YR-8HR	11.38	5.02	0.0001	0.52	0.52	113
EX4S17	10YR-8HR	11.51	5.18	0.0002	1.72	1.72	113
EX4S18	10YR-8HR	12.28	7.37	0.0002	0.83	0.83	113
EX4S19	10YR-8HR	16.07	13.04	0.0002	1.58	1.58	113
EX4S20	10YR-8HR	26.30	23.51	0.0001	1.41	1.41	113
EX4S21	10YR-8HR	30.00	27.47	0.0003	0.80	0.80	113
EX4S22	10YR-8HR	24.00	22.11	0.0005	0.60	0.60	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S23	10YR-8HR	19.00	15.61	0.0003	0.60	0.60	113
EX4S24	10YR-8HR	11.00	8.23	0.0003	1.00	1.00	113
EX4S25	10YR-8HR	11.00	8.43	0.0002	1.23	1.23	113
EX4S26	10YR-8HR	28.00	26.45	0.0002	1.64	1.64	113
EX4S27	10YR-8HR	23.00	20.81	0.0002	1.43	1.43	113
EX4S28	10YR-8HR	18.00	14.37	0.0002	1.72	1.72	113
EX4S29	10YR-8HR	16.00	7.51	0.0003	7.57	7.57	375
EX4S30	10YR-8HR	14.00	7.89	0.0003	5.98	5.98	457
EX4S31	10YR-8HR	13.00	8.20	0.0003	5.27	5.27	409
EX4S32	10YR-8HR	13.00	8.43	0.0004	1.71	1.71	113
EX4S33	10YR-8HR	12.70	8.34	0.0004	2.93	2.93	280
EX4S35	10YR-8HR	9.95	7.03	0.0001	8.06	8.07	499
EX4S36	10YR-8HR	9.52	7.10	0.0002	23.35	23.15	2183
EX4S37	10YR-8HR	10.00	7.01	0.0009	6.39	6.37	310
EX4S38	10YR-8HR	10.00	6.82	0.0007	6.99	6.98	483
EX4S39	10YR-8HR	11.00	6.58	0.0005	9.12	9.09	563
EX4S40	10YR-8HR	12.00	6.46	0.0005	9.56	9.52	564
EX4S41	10YR-8HR	12.00	6.31	0.0005	9.78	9.75	392
EX4S42	10YR-8HR	13.00	6.23	0.0005	11.60	11.57	648
EX4S43	10YR-8HR	11.00	5.49	0.0013	10.65	10.61	1505
EX4S43A	10YR-8HR	11.00	5.93	0.0010	11.57	11.53	1021
EX4S44	10YR-8HR	11.00	5.19	0.0012	6.99	6.98	732
EX4S45	10YR-8HR	11.00	4.91	0.0011	8.51	7.84	2234
EX4S46	10YR-8HR	8.83	6.67	0.0010	9.16	9.22	623
EX4S46A	10YR-8HR	10.90	5.30	0.0012	9.22	9.06	1872
EX4S47	10YR-8HR	9.90	7.19	0.0006	0.46	0.57	113
EX4S48	10YR-8HR	9.98	7.08	0.0005	0.49	0.52	113
EX4S49	10YR-8HR	10.45	6.98	0.0002	26.46	25.91	3824
EX4S50	10YR-8HR	8.91	7.00	0.0010	2.45	2.43	113
EX4S50A	10YR-8HR	8.42	6.97	0.0008	3.84	3.68	1257
EX4S51	10YR-8HR	11.00	6.98	0.0005	3.72	3.69	354
EX4S51A	10YR-8HR	8.45	6.97	0.0007	1.57	1.52	375
EX4S52	10YR-8HR	11.00	6.87	0.0011	13.74	11.70	2006
EX4S53	10YR-8HR	11.00	6.87	0.0010	11.01	9.90	2002
EX4S54	10YR-8HR	11.00	7.14	0.0009	6.44	6.36	979
EX4S55	10YR-8HR	11.00	7.16	0.0008	0.85	0.97	352
EX4S56	10YR-8HR	9.00	7.16	0.0008	0.60	0.58	183
EX4S57	10YR-8HR	10.00	7.31	0.0010	5.54	5.51	120
EX4S58	10YR-8HR	11.00	7.39	0.0001	1.33	1.33	113
EX4S59	10YR-8HR	13.00	8.25	0.0001	0.75	0.75	113
EX4S60	10YR-8HR	11.00	8.13	0.0001	0.87	0.85	1816
EX4S61	10YR-8HR	11.00	7.67	0.0001	1.84	1.73	4605
EX4S62	10YR-8HR	8.95	7.95	0.0010	2.96	2.91	448
EX4S63	10YR-8HR	8.48	7.94	0.0003	18.69	18.54	3114
EX4S64	10YR-8HR	8.95	7.37	0.0002	21.83	21.77	1315
EX4S65	10YR-8HR	9.90	7.38	0.0005	0.25	0.17	113
EX4S66	10YR-8HR	9.98	7.04	0.0005	0.29	0.29	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S67	10YR-8HR	8.90	7.04	0.0002	6.70	6.36	2609
EX4S68	10YR-8HR	9.01	7.06	0.0009	2.21	2.11	712
EX4S69	10YR-8HR	9.45	7.05	0.0003	4.00	3.86	1007
EX4S69+A	10YR-8HR	9.45	7.05	0.0002	0.04	0.02	113
EX4S70	10YR-8HR	11.00	7.10	0.0001	1.63	1.62	113
EX4S71	10YR-8HR	11.00	7.88	0.0015	5.45	6.78	113
EX4S72	10YR-8HR	11.00	8.45	0.0001	2.48	1.91	10247
EX4S73	10YR-8HR	11.00	7.90	0.0002	1.97	1.97	137
EX4S74	10YR-8HR	11.00	7.78	0.0002	1.80	1.80	113
EX4S75	10YR-8HR	26.12	23.08	0.0002	1.81	1.81	113
EX4S76	10YR-8HR	25.91	23.08	0.0002	1.81	1.81	113
EX4S78	10YR-8HR	20.72	13.91	0.0001	0.98	0.98	113
EX4S79	10YR-8HR	15.24	7.33	0.0002	1.64	1.64	113
EX4S80	10YR-8HR	12.87	7.38	0.0004	1.69	1.78	113
EX4S80A	10YR-8HR	10.70	7.30	0.0010	1.78	2.22	113
EX4S81	10YR-8HR	11.22	6.84	0.0001	1.26	1.26	113
EX4S82	10YR-8HR	8.70	6.84	0.0003	8.02	7.64	11845
EX4S83	10YR-8HR	9.48	6.84	0.0002	1.41	1.41	113
EX4S84	10YR-8HR	9.85	7.60	0.0004	6.08	6.08	113
EX4S85	10YR-8HR	9.45	7.68	0.0017	1.88	1.78	113
EX4S86	10YR-8HR	9.58	7.67	0.0017	1.00	2.58	113
EX4S87	10YR-8HR	10.00	7.71	0.0010	1.84	2.12	113
EX4S91+A	10YR-8HR	4.95	2.48	0.0013	26.09	26.07	113
EX4S91+B	10YR-8HR	4.95	1.56	0.0010	26.07	26.07	113
EX4S92	10YR-8HR	6.74	2.69	0.0004	2.89	3.35	113
EX4S93	10YR-8HR	10.20	2.54	0.0002	0.77	0.77	113
EX4S94	10YR-8HR	8.39	2.71	0.0002	1.26	1.26	113
EX4S95	10YR-8HR	4.95	2.53	0.0010	26.02	26.04	698
EX4S96	10YR-8HR	4.95	2.65	0.0002	24.69	24.69	960
EX4S97	10YR-8HR	6.70	2.77	0.0003	0.98	0.97	113
EX4S98	10YR-8HR	5.45	2.75	0.0002	21.64	21.65	894
EX4S99	10YR-8HR	5.85	2.89	0.0003	18.33	18.34	976
EX5S01	10YR-8HR	9.65	2.82	0.0005	1.80	1.77	457
EX5S02	10YR-8HR	9.79	4.72	0.0001	0.80	0.80	113
EX5S03	10YR-8HR	9.79	4.73	0.0001	0.80	0.80	113
EX5S04	10YR-8HR	9.95	4.41	0.0009	6.47	6.46	458
EX5S05	10YR-8HR	9.95	2.82	0.0005	4.29	4.24	753
EX5S06	10YR-8HR	9.87	4.87	0.0002	1.38	1.38	113
EX5S07	10YR-8HR	9.95	4.89	0.0006	1.38	1.38	113
EX5S08	10YR-8HR	9.95	4.37	0.0008	7.56	7.56	754
EX5S09	10YR-8HR	9.95	2.87	0.0005	5.73	5.69	753
EX5S10	10YR-8HR	9.93	4.88	0.0002	1.38	1.38	113
EX5S11	10YR-8HR	9.93	4.81	0.0001	1.03	1.03	113
EX5S12	10YR-8HR	9.95	4.42	0.0009	6.80	6.79	640
EX5S13	10YR-8HR	9.95	5.58	0.0002	1.26	1.26	113
EX5S14	10YR-8HR	8.75	4.45	0.0009	5.44	5.43	448
EX5S15	10YR-8HR	10.25	2.99	0.0005	7.40	7.37	722

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX5S16	10YR-8HR	9.98	5.03	0.0002	2.09	2.09	113
EX5S17	10YR-8HR	9.99	5.97	0.0001	0.95	0.95	113
EX5S18	10YR-8HR	8.95	4.48	0.0009	6.69	6.69	531
EX5S19	10YR-8HR	10.47	6.06	0.0004	7.56	7.56	162
EX5S21	10YR-8HR	9.35	3.14	0.0005	7.04	7.02	461
EX5S22	10YR-8HR	10.42	5.50	0.0003	5.71	5.70	269
EX5S22A	10YR-8HR	10.67	6.39	0.0004	6.88	6.88	264
EX5S23	10YR-8HR	10.87	6.59	0.0004	6.19	6.19	237
EX5S24	10YR-8HR	10.95	6.37	0.0002	4.39	4.39	451
EX5S24A	10YR-8HR	11.06	6.75	0.0004	5.59	5.59	216
EX5S25	10YR-8HR	11.28	6.88	0.0004	4.96	4.96	194
EX5S26	10YR-8HR	11.55	7.10	0.0005	4.33	4.33	147
EX5S27	10YR-8HR	11.54	7.28	0.0002	2.95	2.95	384
EX5S28	10YR-8HR	12.37	8.73	0.0004	2.87	2.87	113
EX5S29	10YR-8HR	11.74	7.54	0.0003	3.84	3.84	113
EX5S30	10YR-8HR	12.45	8.87	0.0009	2.75	2.75	175
EX5S31	10YR-8HR	12.31	7.59	0.0002	1.52	1.52	313
EX5S32	10YR-8HR	13.06	9.16	0.0002	1.84	1.84	216
EX5S33	10YR-8HR	12.66	7.81	0.0001	0.52	0.52	129
O401	10YR-8HR	3.45	1.45	0.0000	79.37	0.47	0
O402	10YR-8HR	3.45	1.45	0.0000	26.07	0.00	0
POND401	10YR-8HR	9.95	6.84	0.0005	27.07	0.06	53205
SWALE 4E1	10YR-8HR	8.17	5.20	0.0010	15.46	14.08	24830
SWALE 4W1	10YR-8HR	7.45	5.15	0.0005	4.40	4.20	7072
4GW1	25YR-72HR	7.45	3.61	0.0006	6.56	0.00	0
4GW2	25YR-72HR	7.45	3.61	0.0006	6.90	0.00	0
4GW3	25YR-72HR	7.45	3.61	0.0006	2.69	0.00	0
4GW4	25YR-72HR	7.45	3.61	0.0006	14.68	0.00	0
4GW5	25YR-72HR	7.45	3.61	0.0006	21.48	0.00	0
5GW1	25YR-72HR	7.45	3.61	0.0006	7.48	0.00	0
5GW2	25YR-72HR	7.45	3.61	0.0006	7.68	0.00	0
5GW3	25YR-72HR	7.45	3.61	0.0006	6.66	0.00	0
5GW4	25YR-72HR	7.45	3.61	0.0006	9.64	0.00	0
5GW5	25YR-72HR	7.45	3.61	0.0006	13.24	0.00	0
5GW6	25YR-72HR	7.45	3.61	0.0006	13.21	0.00	0
5GW7	25YR-72HR	7.45	3.61	0.0006	9.37	0.00	0
CH4_1+A	25YR-72HR	6.95	4.96	0.0002	4.96	7.01	5053
CH4_1+B	25YR-72HR	7.95	5.25	0.0001	4.75	4.96	3706
CH4_1+C	25YR-72HR	9.95	6.26	0.0001	4.93	4.75	3768
CH4_1+D	25YR-72HR	10.95	7.78	0.0001	5.41	4.93	5547
CH4_1+E	25YR-72HR	12.45	9.36	0.0001	5.36	5.41	3910
CH4_1+F	25YR-72HR	11.95	9.97	0.0002	5.39	5.36	1379
CH4_1+G	25YR-72HR	11.57	11.18	0.0002	2.93	2.92	589
CH4_2+A	25YR-72HR	10.09	7.99	0.0004	92.68	83.32	33674
CH4_3+A	25YR-72HR	12.45	10.96	0.0001	2.81	2.80	998
CH4_3+B	25YR-72HR	9.95	8.30	0.0004	7.76	8.55	2669
CH4_4+A	25YR-72HR	9.45	8.17	0.0004	68.93	67.91	3897

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
CH4_4+B	25YR-72HR	13.95	12.28	0.0001	2.81	2.81	777
CH4_5+A	25YR-72HR	19.25	16.52	0.0002	3.62	3.61	976
CH4_5+B	25YR-72HR	8.45	8.76	0.0005	40.76	40.78	2849
CH4_6+A	25YR-72HR	10.45	8.22	0.0010	24.06	29.79	3811
CH4_6+B	25YR-72HR	12.45	10.38	0.0002	3.62	3.61	746
CH4_7+A	25YR-72HR	9.95	9.56	0.0004	4.86	4.47	4570
CH4_8+A	25YR-72HR	10.45	8.17	0.0003	12.61	10.35	7435
CH4_8+B	25YR-72HR	8.40	8.06	0.0006	10.35	12.76	6668
CH4_9+A	25YR-72HR	8.20	7.82	0.0003	9.76	8.75	12395
CH5_1+A	25YR-72HR	9.25	8.52	0.0010	14.06	14.05	487
CH5_1+B	25YR-72HR	9.00	8.52	0.0007	1.84	2.63	972
CH5_1+C	25YR-72HR	9.45	8.52	0.0005	1.14	1.66	929
CH5_1+D	25YR-72HR	9.35	8.53	0.0002	0.70	0.82	728
CH5_1+E	25YR-72HR	9.38	8.75	0.0000	0.44	0.42	578
CH5_1+F	25YR-72HR	9.07	8.87	0.0000	0.22	0.22	347
EX4S02	25YR-72HR	10.90	3.09	0.0003	2.07	2.04	113
EX4S03+A	25YR-72HR	5.45	3.04	0.0005	168.50	168.50	852
EX4S03+B	25YR-72HR	5.45	2.02	0.0033	168.50	168.50	113
EX4S04	25YR-72HR	8.11	3.95	0.0004	2.24	2.17	113
EX4S05	25YR-72HR	7.12	3.89	0.0008	4.98	5.09	113
EX4S06	25YR-72HR	4.95	3.82	0.0009	166.26	166.26	1844
EX4S07	25YR-72HR	6.96	5.03	0.0011	3.39	4.08	113
EX4S08	25YR-72HR	5.95	4.53	0.0007	157.16	156.85	2036
EX4S09	25YR-72HR	6.95	5.54	0.0049	154.01	150.22	1530
EX4S10	25YR-72HR	7.03	4.70	0.0013	6.12	5.57	113
EX4S101	25YR-72HR	6.45	4.96	0.0004	27.53	26.16	2498
EX4S102	25YR-72HR	12.64	10.49	0.0003	2.47	2.47	113
EX4S104	25YR-72HR	16.95	11.44	0.0003	2.93	2.93	113
EX4S106	25YR-72HR	24.00	18.46	0.0004	3.50	3.50	113
EX4S107	25YR-72HR	30.00	25.33	0.0004	3.27	3.27	113
EX4S108	25YR-72HR	21.00	18.58	0.0003	1.78	1.78	113
EX4S109	25YR-72HR	28.00	25.45	0.0002	1.67	1.66	113
EX4S11	25YR-72HR	10.25	9.00	0.0217	9.71	24.53	113
EX4S12	25YR-72HR	7.45	6.33	0.0265	152.78	128.09	35649
EX4S14	25YR-72HR	11.75	10.50	0.0214	10.42	24.17	113
EX4S15	25YR-72HR	27.50	23.76	0.0003	2.82	2.81	113
EX4S16	25YR-72HR	11.38	6.34	0.0010	1.03	2.39	113
EX4S17	25YR-72HR	11.51	6.36	0.0023	3.45	5.44	113
EX4S18	25YR-72HR	12.28	7.56	0.0002	1.67	1.67	113
EX4S19	25YR-72HR	16.07	13.31	0.0004	3.16	3.16	113
EX4S20	25YR-72HR	26.30	23.76	0.0003	2.82	2.81	113
EX4S21	25YR-72HR	30.00	27.65	0.0002	1.61	1.61	113
EX4S22	25YR-72HR	24.00	22.26	0.0002	1.21	1.21	113
EX4S23	25YR-72HR	19.00	15.76	0.0002	1.21	1.21	113
EX4S24	25YR-72HR	11.00	9.82	0.0006	2.01	1.95	113
EX4S25	25YR-72HR	11.00	10.07	0.0007	2.47	2.40	113
EX4S26	25YR-72HR	28.00	26.73	0.0004	3.27	3.27	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S27	25YR-72HR	23.00	21.07	0.0003	2.87	2.87	113
EX4S28	25YR-72HR	18.00	14.65	0.0004	3.45	3.44	113
EX4S29	25YR-72HR	16.00	8.37	0.0004	15.97	15.97	375
EX4S30	25YR-72HR	14.00	9.14	0.0004	12.83	12.84	457
EX4S31	25YR-72HR	13.00	9.74	0.0006	11.44	11.44	409
EX4S32	25YR-72HR	13.00	10.54	0.0008	4.57	4.48	113
EX4S33	25YR-72HR	12.70	9.89	0.0006	6.88	6.87	278
EX4S35	25YR-72HR	9.95	8.30	0.0004	7.32	6.72	861
EX4S36	25YR-72HR	9.52	8.30	0.0004	57.59	55.66	2344
EX4S37	25YR-72HR	10.00	10.08	0.0021	10.91	10.10	6296
EX4S38	25YR-72HR	10.00	9.98	0.0013	11.06	10.36	483
EX4S39	25YR-72HR	11.00	9.83	0.0013	13.20	12.55	560
EX4S40	25YR-72HR	12.00	9.67	0.0010	13.31	12.68	564
EX4S41	25YR-72HR	12.00	9.49	0.0010	13.07	12.50	392
EX4S42	25YR-72HR	13.00	9.38	0.0011	16.22	16.14	503
EX4S43	25YR-72HR	11.00	8.73	0.0016	16.36	16.29	1494
EX4S43A	25YR-72HR	11.00	8.99	0.0015	16.14	16.07	955
EX4S44	25YR-72HR	11.00	8.56	0.0013	16.00	15.85	732
EX4S45	25YR-72HR	11.00	8.48	0.0011	19.42	17.52	2222
EX4S46	25YR-72HR	8.83	8.31	0.0005	8.62	7.03	1510
EX4S46A	25YR-72HR	10.90	8.30	0.0010	10.27	8.45	1770
EX4S47	25YR-72HR	9.90	8.30	0.0004	0.92	0.86	113
EX4S48	25YR-72HR	9.98	8.17	0.0004	0.98	0.91	113
EX4S49	25YR-72HR	10.45	8.13	0.0006	74.80	74.32	4093
EX4S50	25YR-72HR	8.91	8.10	0.0004	4.94	4.85	113
EX4S50A	25YR-72HR	8.42	8.01	0.0003	19.71	18.63	2062
EX4S51	25YR-72HR	11.00	9.20	0.0014	15.31	15.23	341
EX4S51A	25YR-72HR	8.45	8.01	0.0007	15.23	14.86	620
EX4S52	25YR-72HR	11.00	9.68	0.0030	19.96	19.89	1995
EX4S53	25YR-72HR	11.00	9.62	0.0047	15.49	15.45	1989
EX4S54	25YR-72HR	11.00	10.33	0.0015	13.49	13.44	729
EX4S55	25YR-72HR	11.00	10.09	0.0013	4.37	4.43	350
EX4S56	25YR-72HR	9.00	9.96	0.0032	5.47	4.26	8715
EX4S57	25YR-72HR	10.00	10.22	0.0071	14.59	9.85	128503
EX4S58	25YR-72HR	11.00	10.02	0.0010	2.97	2.93	113
EX4S59	25YR-72HR	13.00	9.44	0.0009	1.62	1.70	113
EX4S60	25YR-72HR	11.00	8.76	0.0002	2.30	2.28	4375
EX4S61	25YR-72HR	11.00	8.52	0.0003	6.07	4.20	10825
EX4S62	25YR-72HR	8.95	9.56	0.0006	5.92	5.06	1035
EX4S63	25YR-72HR	8.48	9.55	0.0005	43.78	38.28	5577
EX4S64	25YR-72HR	8.95	8.73	0.0008	44.63	44.59	1470
EX4S65	25YR-72HR	9.90	8.73	0.0006	0.34	0.30	113
EX4S66	25YR-72HR	9.98	8.21	0.0005	0.57	0.75	113
EX4S67	25YR-72HR	8.90	8.21	0.0049	31.92	26.33	2867
EX4S68	25YR-72HR	9.01	8.24	0.0004	4.42	3.98	1323
EX4S69	25YR-72HR	9.45	8.24	0.0004	22.40	22.75	1371
EX4S69+A	25YR-72HR	9.45	8.26	0.0010	18.37	18.40	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S70	25YR-72HR	11.00	9.63	0.0006	4.35	4.29	113
EX4S71	25YR-72HR	11.00	11.14	0.0057	14.27	9.73	87792
EX4S72	25YR-72HR	11.00	9.40	0.0002	11.08	6.94	25028
EX4S73	25YR-72HR	11.00	10.90	0.0009	4.71	4.63	137
EX4S74	25YR-72HR	11.00	10.95	0.0009	4.94	4.87	113
EX4S75	25YR-72HR	26.12	23.38	0.0003	3.62	3.62	113
EX4S76	25YR-72HR	25.91	23.38	0.0003	3.62	3.62	113
EX4S78	25YR-72HR	20.72	14.11	0.0003	1.95	1.95	113
EX4S79	25YR-72HR	15.24	8.33	0.0004	3.28	3.29	113
EX4S80	25YR-72HR	12.87	8.41	0.0003	3.39	3.27	113
EX4S80A	25YR-72HR	10.70	8.34	0.0005	3.27	3.16	113
EX4S81	25YR-72HR	11.22	8.30	0.0015	2.53	3.03	113
EX4S82	25YR-72HR	8.70	8.29	0.0003	21.38	9.76	15302
EX4S83	25YR-72HR	9.48	8.31	0.0017	2.82	3.27	113
EX4S84	25YR-72HR	9.85	9.83	0.0062	12.18	18.40	113
EX4S85	25YR-72HR	9.45	8.20	0.0017	3.56	3.53	113
EX4S86	25YR-72HR	9.58	8.18	0.0010	2.01	2.60	113
EX4S87	25YR-72HR	10.00	8.20	0.0033	3.68	5.21	113
EX4S91+A	25YR-72HR	4.95	2.80	0.0023	51.27	51.27	113
EX4S91+B	25YR-72HR	4.95	1.86	0.0010	51.27	51.27	113
EX4S92	25YR-72HR	6.74	3.56	0.0037	5.77	8.02	113
EX4S93	25YR-72HR	10.20	3.03	0.0002	1.55	1.53	113
EX4S94	25YR-72HR	8.39	3.64	0.0004	2.53	2.49	113
EX4S95	25YR-72HR	4.95	2.98	0.0005	51.17	51.17	699
EX4S96	25YR-72HR	4.95	3.46	0.0030	48.34	48.34	960
EX4S97	25YR-72HR	6.70	3.91	0.0004	1.95	1.91	113
EX4S98	25YR-72HR	5.45	3.88	0.0004	42.12	42.13	893
EX4S99	25YR-72HR	5.85	4.36	0.0005	35.78	35.88	977
EX5S01	25YR-72HR	9.65	6.15	0.0010	9.72	9.76	454
EX5S02	25YR-72HR	9.79	6.16	0.0009	1.61	2.95	113
EX5S03	25YR-72HR	9.79	8.04	0.0010	1.61	1.57	113
EX5S04	25YR-72HR	9.95	8.03	0.0010	15.96	16.05	455
EX5S05	25YR-72HR	9.95	6.16	0.0011	8.74	8.73	750
EX5S06	25YR-72HR	9.87	6.19	0.0010	2.76	3.23	113
EX5S07	25YR-72HR	9.95	7.86	0.0009	2.76	2.77	113
EX5S08	25YR-72HR	9.95	7.84	0.0011	13.00	12.99	750
EX5S09	25YR-72HR	9.95	6.27	0.0011	11.44	11.44	750
EX5S10	25YR-72HR	9.93	6.30	0.0010	2.76	3.14	113
EX5S11	25YR-72HR	9.93	7.99	0.0009	2.07	2.25	113
EX5S12	25YR-72HR	9.95	7.98	0.0010	11.66	11.64	638
EX5S13	25YR-72HR	9.95	8.08	0.0010	2.53	3.21	113
EX5S14	25YR-72HR	8.75	8.06	0.0013	8.83	8.83	445
EX5S15	25YR-72HR	10.25	6.56	0.0010	14.94	14.93	720
EX5S16	25YR-72HR	9.98	6.62	0.0010	4.20	4.15	113
EX5S17	25YR-72HR	9.99	8.15	0.0008	1.90	3.50	113
EX5S18	25YR-72HR	8.95	8.14	0.0010	11.23	11.25	529
EX5S19	25YR-72HR	10.47	8.82	0.0014	13.34	13.27	155

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX5S21	25YR-72HR	9.35	7.07	0.0015	14.64	14.64	457
EX5S22	25YR-72HR	10.42	7.29	0.0006	10.99	11.01	269
EX5S22A	25YR-72HR	10.67	9.34	0.0008	12.12	12.05	264
EX5S23	25YR-72HR	10.87	9.75	0.0008	10.90	10.84	237
EX5S24	25YR-72HR	10.95	7.69	0.0007	8.42	8.45	452
EX5S24A	25YR-72HR	11.06	10.05	0.0008	9.86	9.80	216
EX5S25	25YR-72HR	11.28	10.35	0.0008	8.76	8.71	194
EX5S26	25YR-72HR	11.55	11.08	0.0009	7.69	7.61	147
EX5S27	25YR-72HR	11.54	8.45	0.0007	5.66	5.70	385
EX5S28	25YR-72HR	12.37	11.73	0.0009	5.21	5.07	113
EX5S29	25YR-72HR	11.74	11.56	0.0013	6.91	6.78	113
EX5S30	25YR-72HR	12.45	11.89	0.0010	5.22	4.98	176
EX5S31	25YR-72HR	12.31	8.65	0.0006	2.91	3.26	315
EX5S32	25YR-72HR	13.06	12.10	0.0010	3.68	3.40	159
EX5S33	25YR-72HR	12.66	8.66	0.0006	1.03	1.16	139
O401	25YR-72HR	3.45	1.45	0.0000	168.50	0.77	0
O402	25YR-72HR	3.45	1.45	0.0000	51.27	0.00	0
POND401	25YR-72HR	9.95	8.29	0.0003	58.17	25.05	58316
SWALE 4E1	25YR-72HR	8.17	5.70	0.0007	34.67	29.76	27454
SWALE 4W1	25YR-72HR	7.45	5.53	0.0005	10.35	9.05	8299

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CH4_1+SEC1	100YR-1HR	7.74	-4.36	0.02	0.94	-2.55	-1.47
CH4_1+SEC2	100YR-1HR	6.51	0.00	0.01	1.16	0.75	0.95
CH4_1+SEC3	100YR-1HR	6.76	0.00	0.01	1.35	2.31	1.53
CH4_1+SEC4	100YR-1HR	6.72	0.00	0.00	1.06	2.31	1.49
CH4_1+SEC5	100YR-1HR	7.35	0.00	0.00	1.19	2.64	1.71
CH4_1+SEC6	100YR-1HR	7.34	0.00	0.00	1.37	2.31	1.55
CH4_1+SEC7	100YR-1HR	3.99	0.00	0.00	1.26	2.32	1.55
CH4_2+SEC1	100YR-1HR	53.19	0.00	0.03	1.61	1.33	1.47
CH4_2+SEC2	100YR-1HR	11.76	-1.45	-0.08	0.95	1.32	0.98
CH4_2+SEC3	100YR-1HR	17.53	-0.33	-0.04	1.50	3.58	2.42
CH4_3+SEC1	100YR-1HR	3.92	0.00	0.11	3.03	2.66	2.12
CH4_3+SEC2	100YR-1HR	0.72	-9.95	0.32	-0.34	0.73	0.48
CH4_3+SEC4	100YR-1HR	0.00	-15.70	-0.04	-3.41	-3.81	-3.21
CH4_3+SEC5	100YR-1HR	0.35	-13.62	-0.02	-1.23	-3.20	-2.14
CH4_4+SEC1	100YR-1HR	47.06	-0.21	-0.09	1.36	1.75	1.54
CH4_4+SEC2	100YR-1HR	3.84	0.00	-0.39	2.84	2.36	2.35
CH4_5+SEC1	100YR-1HR	4.93	0.00	-0.10	3.17	2.62	2.51
CH4_5+SEC2	100YR-1HR	39.86	0.00	-0.03	1.55	1.81	1.60
CH4_6+SEC1	100YR-1HR	9.87	0.00	-0.70	0.58	0.93	0.69
CH4_6+SEC2	100YR-1HR	4.92	0.00	-0.62	3.49	2.84	2.32
CH4_6+SEC4	100YR-1HR	5.73	0.00	-0.02	1.00	2.90	1.88
CH4_7+SEC1	100YR-1HR	4.36	-2.04	0.08	0.32	0.81	0.50
CH4_7+SEC2	100YR-1HR	7.33	0.00	0.11	0.96	3.03	1.98
CH4_8+SEC1	100YR-1HR	0.00	-7.51	0.01	-0.40	-2.47	-1.40
CH4_9+SEC1	100YR-1HR	0.53	-2.66	0.01	-0.29	-2.42	-1.34
CH5_1+A_5GW7	100YR-1HR	6.27	0.00	0.00	0.00	0.00	0.00
CH5_1+A_S18	100YR-1HR	12.45	0.00	-0.01	3.96	3.96	3.96
CH5_1+SEC1	100YR-1HR	2.55	-1.20	0.25	0.93	1.40	0.97
CH5_1+SEC2	100YR-1HR	1.14	-0.26	0.01	0.74	0.36	0.51
CH5_1+SEC3	100YR-1HR	0.42	0.00	0.00	0.63	0.43	0.49
CH5_1+SEC4	100YR-1HR	0.26	0.00	0.00	0.57	0.37	0.46
CH5_1+SEC5	100YR-1HR	0.13	0.00	0.00	0.20	0.28	0.24
EX4S02_S03	100YR-1HR	2.78	0.00	-0.16	4.00	3.86	3.73
EX4S03_O01	100YR-1HR	134.38	-0.54	-10.12	5.35	5.35	5.35
EX4S03_WEIR1	100YR-1HR	61.85	0.00	0.47	3.29	3.29	3.29
EX4S03_WEIR2	100YR-1HR	72.53	0.00	0.02	2.63	2.63	2.63
EX4S04_S05	100YR-1HR	3.00	0.00	0.24	3.87	3.71	3.52
EX4S05_S06	100YR-1HR	6.78	0.00	-0.02	4.07	5.30	4.66
EX4S06_S03	100YR-1HR	132.10	-0.02	0.97	4.67	4.67	4.67
EX4S07_S10	100YR-1HR	5.66	0.00	1.42	5.69	5.66	5.34
EX4S08_S06	100YR-1HR	122.86	0.00	0.58	4.35	4.35	4.35
EX4S09_S08	100YR-1HR	115.03	0.00	0.50	4.84	4.84	4.84

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S101_4S99	100YR-1HR	23.45	0.00	0.03	4.07	5.55	4.72
EX4S102_S103	100YR-1HR	3.37	0.00	-0.02	3.38	5.87	4.52
EX4S104_S103	100YR-1HR	4.00	0.00	0.06	3.71	4.00	3.85
EX4S105_4S99	100YR-1HR	9.11	0.00	-0.10	4.93	10.02	7.46
EX4S106_SWL4W1	100YR-1HR	4.78	0.00	0.05	5.14	23.79	14.46
EX4S107_SWL4W1	100YR-1HR	4.47	0.00	0.05	4.98	23.42	14.20
EX4S108_S106	100YR-1HR	2.43	0.00	0.00	2.23	2.14	2.19
EX4S109_S107	100YR-1HR	2.27	0.00	0.00	2.45	2.06	2.25
EX4S10_S08	100YR-1HR	8.22	-0.01	0.02	6.70	6.70	6.70
EX4S11_S12	100YR-1HR	24.53	-0.04	-0.07	13.88	14.23	14.05
EX4S12_S09	100YR-1HR	89.29	0.00	0.11	4.90	6.96	5.93
EX4S14_S12	100YR-1HR	24.17	0.00	0.81	13.68	14.05	13.86
EX4S15_CH4_3+A	100YR-1HR	3.84	0.00	0.05	4.68	21.07	12.88
EX4S16_S12	100YR-1HR	1.41	0.00	0.07	3.35	6.19	4.77
EX4S17_S12	100YR-1HR	4.70	0.00	-0.55	5.10	8.65	6.88
EX4S18_S12	100YR-1HR	2.27	0.00	0.02	3.88	9.77	6.83
EX4S19_S12	100YR-1HR	4.31	0.00	-0.05	4.91	15.12	10.02
EX4S20_CH4_4+B	100YR-1HR	3.84	0.00	0.05	4.68	21.46	13.07
EX4S21_S26	100YR-1HR	2.20	0.00	0.02	3.84	1.99	2.91
EX4S22_S27	100YR-1HR	1.65	0.00	0.02	3.51	1.38	2.44
EX4S23_S28	100YR-1HR	1.65	0.00	0.02	3.51	1.46	2.48
EX4S24_S31	100YR-1HR	2.59	0.00	0.00	2.11	2.11	2.11
EX4S25_S33	100YR-1HR	3.19	0.00	0.00	2.60	2.98	2.60
EX4S26_SWL4E1	100YR-1HR	4.47	0.00	0.05	4.98	22.40	13.69
EX4S27_SWL4E1	100YR-1HR	3.92	0.00	-0.05	4.72	21.80	13.26
EX4S28_SWL4E1	100YR-1HR	4.70	0.00	0.05	5.10	22.01	13.55
EX4S29_SWL4E1	100YR-1HR	18.58	0.00	-0.03	5.92	7.11	6.50
EX4S30_S29	100YR-1HR	14.42	0.00	0.00	4.59	4.59	4.59
EX4S31_S30	100YR-1HR	12.58	0.00	0.01	4.00	4.00	4.00
EX4S32_S33	100YR-1HR	3.40	-0.21	-0.02	2.77	2.77	2.77
EX4S33_S31	100YR-1HR	6.59	-0.01	0.00	2.10	2.10	2.10
EX4S34_S09	100YR-1HR	27.25	0.00	-1.36	5.76	7.90	6.83
EX4S35_CH4	100YR-1HR	0.25	-12.22	-0.02	-2.41	-2.59	-2.48

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
_3+B							
EX4S36_CH4_4+A	100YR-1HR	37.37	0.00	-0.06	3.13	3.44	3.27
EX4S37_S38	100YR-1HR	10.91	0.00	-0.01	3.47	3.47	3.47
EX4S38_S39	100YR-1HR	11.36	0.00	0.01	3.62	3.62	3.62
EX4S39_S40	100YR-1HR	15.26	0.00	0.02	3.11	3.11	3.11
EX4S40_S41	100YR-1HR	16.18	0.00	0.01	3.30	3.30	3.30
EX4S41_S42	100YR-1HR	16.69	0.00	-0.02	3.40	3.40	3.40
EX4S42_S43A	100YR-1HR	20.67	0.00	-0.02	4.21	5.01	4.21
EX4S43A_4GW1	100YR-1HR	5.08	0.00	1.90	0.00	0.00	0.00
EX4S43A_S43	100YR-1HR	16.15	0.00	-0.70	1.96	4.26	2.94
EX4S43_4GW1	100YR-1HR	4.69	0.00	1.90	0.00	0.00	0.00
EX4S43_4GW2	100YR-1HR	5.30	0.00	2.15	0.00	0.00	0.00
EX4S43_S44	100YR-1HR	11.43	-0.35	0.46	1.62	2.19	1.80
EX4S44_4GW2	100YR-1HR	5.15	0.00	2.15	0.00	0.00	0.00
EX4S44_4GW3	100YR-1HR	2.08	0.00	0.91	0.00	0.00	0.00
EX4S44_S45	100YR-1HR	9.50	0.00	-0.24	2.03	4.21	3.04
EX4S45_4GW3	100YR-1HR	2.07	0.00	1.01	0.00	0.00	0.00
EX4S45_4GW4	100YR-1HR	11.84	0.00	5.78	0.00	0.00	0.00
EX4S45_S46A	100YR-1HR	1.25	-5.50	-0.21	-0.73	-2.25	-1.40
EX4S46A_4GW4	100YR-1HR	11.91	0.00	5.78	0.00	0.00	0.00
EX4S47_S36	100YR-1HR	1.48	0.00	0.18	3.41	3.56	3.38
EX4S48_CH4_4+A	100YR-1HR	1.33	0.00	-0.02	3.29	3.55	3.42
EX4S49_S13	100YR-1HR	50.97	0.00	-0.09	3.13	4.05	3.47
EX4S50_S50A	100YR-1HR	6.45	-0.02	0.01	5.26	5.26	5.26
EX4S51_S51A	100YR-1HR	11.90	-1.65	0.03	6.73	6.73	6.73
EX4S52_4GW5	100YR-1HR	15.39	0.00	4.57	0.00	0.00	0.00
EX4S52_S51	100YR-1HR	4.51	-3.77	0.28	2.55	-4.20	-3.07
EX4S53_4GW5	100YR-1HR	15.39	0.00	4.57	0.00	0.00	0.00
EX4S53_S52	100YR-1HR	2.93	-3.73	0.20	-0.57	-0.65	-0.61
EX4S54_S53	100YR-1HR	12.07	0.00	-0.04	4.07	5.60	4.70
EX4S55_S54	100YR-1HR	5.10	-1.47	-0.10	2.89	2.89	2.89
EX4S56_S55	100YR-1HR	4.69	-2.16	-0.06	2.66	2.66	2.66
EX4S57_S37	100YR-1HR	10.35	0.00	-0.03	5.86	5.86	5.86
EX4S58_S39	100YR-1HR	3.30	0.00	0.43	4.57	4.63	4.36
EX4S59_S42	100YR-1HR	2.38	0.00	0.33	3.94	4.32	3.95

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S60_S43	100YR-1HR	1.81	0.00	-0.03	3.61	5.11	4.35
EX4S61_S45	100YR-1HR	4.25	0.00	0.65	4.88	5.58	4.90
EX4S63_CH4_5+B	100YR-1HR	36.07	0.00	-0.01	5.74	5.83	5.78
EX4S64_S36	100YR-1HR	42.42	0.00	-0.04	4.33	5.45	4.84
EX4S65_S64	100YR-1HR	0.39	-1.87	0.06	-1.79	-3.64	-2.71
EX4S66_S67	100YR-1HR	0.80	-0.07	-0.05	2.80	2.52	2.59
EX4S67_CH4_4+A	100YR-1HR	11.13	0.00	-0.09	1.49	2.56	1.95
EX4S69+A_S69	100YR-1HR	0.06	-0.43	0.00	-0.42	-1.49	-0.95
EX4S69_CH4_6+A	100YR-1HR	7.76	-0.10	-0.37	1.66	1.60	1.62
EX4S69_WEIR	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX4S70_S51	100YR-1HR	3.23	0.00	-0.01	2.89	3.90	3.36
EX4S71_S52	100YR-1HR	11.34	0.00	-1.17	9.24	9.52	9.38
EX4S72_S53	100YR-1HR	3.73	0.00	-0.50	4.85	5.66	4.87
EX4S73_S54	100YR-1HR	4.29	0.00	-0.01	3.50	4.74	3.97
EX4S74_S54	100YR-1HR	4.23	0.00	0.64	4.87	3.45	4.16
EX4S75_CH4_5+A	100YR-1HR	4.94	0.00	0.05	5.21	21.39	13.30
EX4S76_CH4_6+B	100YR-1HR	4.94	0.00	0.05	5.21	23.24	14.23
EX4S78_S77	100YR-1HR	2.67	0.00	0.02	4.09	11.17	7.63
EX4S79_S90	100YR-1HR	4.47	0.00	-0.06	4.58	4.98	4.77
EX4S80A_S82	100YR-1HR	4.56	0.00	0.67	4.98	4.36	4.65
EX4S80_S80A	100YR-1HR	4.56	0.00	0.16	3.72	3.72	3.72
EX4S81_S90	100YR-1HR	3.45	0.00	0.05	4.49	7.97	6.23
EX4S82_PND401	100YR-1HR	16.40	0.00	0.02	3.96	5.64	4.80
EX4S83_PND401	100YR-1HR	3.84	0.00	0.05	4.68	8.20	6.44
EX4S84_S82	100YR-1HR	28.88	0.00	12.03	23.53	24.24	23.88
EX4S85_4+A	100YR-1HR	4.82	-1.88	0.05	3.93	3.93	3.93
EX4S86_4+A	100YR-1HR	3.29	-0.90	2.06	3.65	6.33	4.99
EX4S86_S90	100YR-1HR	4.09	0.00	0.00	1.76	1.76	1.76
EX4S87_4+A	100YR-1HR	5.02	0.00	-0.46	4.23	7.62	5.93
EX4S91_O02	100YR-1HR	50.11	0.00	-3.28	5.10	5.10	5.10
EX4S91_WEIR1	100YR-1HR	49.31	0.00	-0.10	2.56	2.56	2.56
EX4S91_WEIR2	100YR-1HR	0.81	0.00	-0.02	4.72	4.72	4.72
EX4S92_S96	100YR-1HR	8.58	0.00	-6.15	5.98	7.73	6.86
EX4S93_S95	100YR-1HR	2.06	0.00	0.08	2.83	2.78	2.67
EX4S94_S92	100YR-1HR	3.42	0.00	0.11	3.10	2.83	2.86
EX4S95_S91	100YR-1HR	50.01	-0.01	-5.61	3.98	3.98	3.98

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S96_S95	100YR-1HR	46.95	0.00	1.01	3.74	3.74	3.74
EX4S97_S98	100YR-1HR	2.52	0.00	-0.02	3.11	3.89	3.50
EX4S98_S96	100YR-1HR	39.84	0.00	-0.28	4.14	4.14	4.14
EX4S99_S98	100YR-1HR	33.27	0.00	-0.09	3.46	3.46	3.46
EX5S01_5GW1	100YR-1HR	4.12	0.00	0.00	0.00	0.00	0.00
EX5S01_S05	100YR-1HR	2.51	-0.01	0.01	0.81	0.82	0.82
EX5S01_WEIR	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX5S02_S01	100YR-1HR	2.19	0.00	0.04	2.72	12.86	7.76
EX5S03_S04	100YR-1HR	2.88	0.00	2.03	2.81	11.70	7.11
EX5S04_5GW5	100YR-1HR	8.09	0.00	0.00	0.00	0.00	0.00
EX5S04_S08	100YR-1HR	2.39	-5.34	-0.05	-1.70	-1.70	-1.70
EX5S04_WEIR	100YR-1HR	0.00	-7.37	0.00	0.00	0.00	0.00
EX5S05_5GW1	100YR-1HR	4.14	0.00	0.00	0.00	0.00	0.00
EX5S05_5GW2	100YR-1HR	4.14	0.00	0.00	0.00	0.00	0.00
EX5S05_S09	100YR-1HR	5.78	0.00	-0.01	1.84	1.95	1.90
EX5S06_S05	100YR-1HR	3.76	0.00	0.03	3.02	15.39	9.19
EX5S07_S08	100YR-1HR	3.58	0.00	2.19	2.93	13.58	8.20
EX5S08_5GW5	100YR-1HR	7.79	0.00	0.00	0.00	0.00	0.00
EX5S08_5GW6	100YR-1HR	7.79	0.00	0.00	0.00	0.00	0.00
EX5S08_S12	100YR-1HR	7.66	0.00	-0.01	2.44	2.94	2.44
EX5S09_5GW2	100YR-1HR	4.41	0.00	0.00	0.00	0.00	0.00
EX5S09_5GW3	100YR-1HR	3.53	0.00	0.00	0.00	0.00	0.00
EX5S09_S15	100YR-1HR	8.39	0.00	0.00	2.67	2.74	2.67
EX5S10_S09	100YR-1HR	3.76	0.00	0.02	3.00	14.86	8.91
EX5S11_S12	100YR-1HR	2.74	0.00	2.08	2.74	11.96	7.28
EX5S12_5GW6	100YR-1HR	8.16	0.00	0.00	0.00	0.00	0.00
EX5S13_S14	100YR-1HR	3.37	0.00	2.46	2.94	11.59	7.16
EX5S14_S12	100YR-1HR	11.89	0.00	-0.03	2.58	2.49	2.54
EX5S15_5GW3	100YR-1HR	4.12	0.00	0.00	0.00	0.00	0.00
EX5S15_5GW4	100YR-1HR	5.16	0.00	0.00	0.00	0.00	0.00
EX5S16_S15	100YR-1HR	5.72	0.00	0.03	3.44	17.04	10.17
EX5S17_S18	100YR-1HR	3.47	0.00	-2.81	2.98	12.83	7.75
EX5S18_5GW7	100YR-1HR	5.54	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX5S18_S14	100YR-1HR	9.63	-0.05	0.03	2.35	2.36	2.36
EX5S19_CH5_1+A	100YR-1HR	17.36	0.00	0.06	5.52	23.49	13.80
EX5S21_5GW4	100YR-1HR	6.49	0.00	0.00	0.00	0.00	0.00
EX5S21_S15	100YR-1HR	11.21	0.00	0.00	3.57	3.57	3.57
EX5S22A_S19	100YR-1HR	15.77	0.00	0.00	5.02	5.02	5.02
EX5S22_S21	100YR-1HR	15.18	0.00	0.01	4.83	17.72	11.05
EX5S23_S22A	100YR-1HR	14.20	0.00	0.00	4.52	4.52	4.52
EX5S24A_S23	100YR-1HR	12.84	0.00	0.00	4.09	4.09	4.09
EX5S24_S22	100YR-1HR	11.64	0.00	-0.02	3.74	3.71	3.71
EX5S25_S24A	100YR-1HR	11.41	0.00	0.00	3.63	3.63	3.63
EX5S26_S25	100YR-1HR	9.98	0.00	0.00	5.65	5.65	5.65
EX5S27_S24	100YR-1HR	7.83	0.00	0.02	4.43	4.43	4.43
EX5S28_S29	100YR-1HR	6.65	0.00	-0.01	3.76	11.47	7.21
EX5S29_S26	100YR-1HR	8.90	0.00	0.01	5.04	5.04	5.04
EX5S30_S28	100YR-1HR	6.59	0.00	0.07	3.73	3.73	3.73
EX5S31_S27	100YR-1HR	4.06	0.00	0.01	2.45	2.30	2.30
EX5S32_S30	100YR-1HR	4.53	0.00	0.01	2.56	2.78	2.56
EX5S33_S31	100YR-1HR	1.43	0.00	0.01	1.90	0.88	1.39
CH4_1+SEC1	100YR-24HR	1.32	0.00	0.00	0.54	0.27	0.40
CH4_1+SEC2	100YR-24HR	1.26	0.00	0.00	0.77	0.61	0.64
CH4_1+SEC3	100YR-24HR	1.26	0.00	0.00	0.81	0.78	0.79
CH4_1+SEC4	100YR-24HR	1.26	0.00	0.00	0.64	0.80	0.72
CH4_1+SEC5	100YR-24HR	1.27	0.00	0.00	0.74	0.68	0.69
CH4_1+SEC6	100YR-24HR	1.27	0.00	0.00	0.82	0.74	0.78
CH4_1+SEC7	100YR-24HR	0.69	0.00	0.00	0.74	2.14	1.44
CH4_2+SEC1	100YR-24HR	18.30	0.00	-0.01	1.13	0.97	1.04
CH4_2+SEC2	100YR-24HR	1.20	-0.05	0.03	0.33	-0.39	0.35
CH4_2+SEC3	100YR-24HR	2.32	0.00	-0.01	0.66	1.79	1.12
CH4_3+SEC1	100YR-24HR	0.66	0.00	0.00	1.74	1.47	1.11
CH4_3+SEC2	100YR-24HR	0.24	-2.58	0.12	-0.19	-0.20	-0.19
CH4_3+SEC4	100YR-24HR	0.00	-4.55	-0.02	-2.41	-3.11	-2.56
CH4_3+SEC5	100YR-24HR	0.02	-3.94	0.00	-0.87	-2.46	-1.67
CH4_4+SEC1	100YR-24HR	15.13	0.00	-0.02	0.63	0.62	0.62
CH4_4+SEC2	100YR-24HR	0.66	0.00	-0.07	2.09	0.50	1.07
CH4_5+SEC1	100YR-24HR	0.85	0.00	0.03	2.23	1.56	1.33
CH4_5+SEC2	100YR-24HR	11.41	0.00	-0.01	1.07	1.39	1.23
CH4_6+SEC1	100YR-24HR	3.10	0.00	0.04	0.18	0.18	0.18
CH4_6+SEC2	100YR-24HR	0.85	0.00	0.00	1.95	1.77	1.34
CH4_6+SEC4	100YR-24HR	1.02	0.00	0.00	0.49	1.58	0.96
CH4_7+SEC1	100YR-24HR	0.63	0.00	0.01	0.20	0.32	0.23
CH4_7+SEC2	100YR-24HR	1.39	0.00	0.00	0.43	1.92	1.17
CH4_8+SEC1	100YR-24HR	0.00	-5.55	0.03	-0.33	-2.47	-1.40
CH4_9+SEC1	100YR-24HR	0.00	-4.15	0.01	-0.27	-1.84	-1.00
CH5_1+A_5GW7	100YR-24HR	1.33	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CH5_1+A_S18	100YR-24HR	2.59	-0.03	0.11	0.82	0.82	0.82
CH5_1+SEC1	100YR-24HR	0.31	0.00	0.00	0.44	0.00	0.22
CH5_1+SEC2	100YR-24HR	0.23	0.00	0.00	0.56	0.32	0.44
CH5_1+SEC3	100YR-24HR	0.16	0.00	0.00	0.40	0.39	0.39
CH5_1+SEC4	100YR-24HR	0.10	0.00	0.00	0.39	0.24	0.32
CH5_1+SEC5	100YR-24HR	0.05	0.00	0.00	0.14	0.20	0.17
EX4S02_S03	100YR-24HR	0.49	0.00	0.03	2.11	2.07	1.99
EX4S03_O01	100YR-24HR	50.15	-0.56	-11.60	2.00	2.00	2.00
EX4S03_WEIR1	100YR-24HR	35.99	0.00	0.46	2.78	2.78	2.78
EX4S03_WEIR2	100YR-24HR	14.07	0.00	-0.01	1.52	1.52	1.52
EX4S04_S05	100YR-24HR	0.54	0.00	0.06	2.54	2.70	2.45
EX4S05_S06	100YR-24HR	1.19	0.00	0.03	2.58	3.17	2.87
EX4S06_S03	100YR-24HR	49.33	0.00	-1.66	1.84	1.76	1.80
EX4S07_S10	100YR-24HR	0.80	0.00	-0.02	2.84	3.56	3.20
EX4S08_S06	100YR-24HR	46.23	0.00	1.41	1.84	1.73	1.79
EX4S09_S08	100YR-24HR	43.37	0.00	-0.75	2.31	2.09	2.20
EX4S101_4S99	100YR-24HR	7.45	0.00	-0.01	2.94	3.99	3.46
EX4S102_S103	100YR-24HR	0.58	0.00	-0.02	2.64	4.83	3.73
EX4S104_S103	100YR-24HR	0.69	0.00	0.02	2.58	1.45	2.01
EX4S105_4S99	100YR-24HR	2.32	0.00	-0.04	3.21	6.48	4.84
EX4S106_SWL4W1	100YR-24HR	0.82	0.00	0.02	2.86	14.10	8.48
EX4S107_SWL4W1	100YR-24HR	0.77	0.00	-0.02	2.81	13.87	8.34
EX4S108_S106	100YR-24HR	0.42	0.00	0.00	1.64	1.15	1.40
EX4S109_S107	100YR-24HR	0.39	0.00	0.00	2.07	1.13	1.60
EX4S10_S08	100YR-24HR	1.36	-0.01	0.02	2.57	3.14	2.86
EX4S11_S12	100YR-24HR	24.53	-0.01	-0.07	13.88	14.23	14.05
EX4S12_S09	100YR-24HR	35.51	0.00	0.03	3.62	5.08	4.35
EX4S14_S12	100YR-24HR	24.17	0.00	-0.78	13.68	14.05	13.86
EX4S15_CH4_3+A	100YR-24HR	0.66	0.00	0.02	2.70	12.47	7.58
EX4S16_S12	100YR-24HR	0.24	0.00	0.00	2.06	3.67	2.87
EX4S17_S12	100YR-24HR	0.81	0.00	0.02	2.85	5.26	4.06
EX4S18_S12	100YR-24HR	0.39	0.00	0.00	2.34	5.80	4.07
EX4S19_S12	100YR-24HR	0.74	0.00	-0.02	2.78	9.01	5.90
EX4S20_CH4_4+B	100YR-24HR	0.66	0.00	-0.02	2.70	12.69	7.69

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S21_S26	100YR-24HR	0.38	0.00	0.00	2.31	1.09	1.70
EX4S22_S27	100YR-24HR	0.28	0.00	0.00	2.14	0.51	1.33
EX4S23_S28	100YR-24HR	0.28	0.00	0.00	2.14	0.79	1.47
EX4S24_S31	100YR-24HR	0.47	0.00	0.00	1.47	0.83	1.15
EX4S25_S33	100YR-24HR	0.58	0.00	0.00	1.76	1.52	1.44
EX4S26_SWL4E1	100YR-24HR	0.77	0.00	-0.02	2.81	13.27	8.04
EX4S27_SWL4E1	100YR-24HR	0.68	0.00	0.02	2.71	12.90	7.80
EX4S28_SWL4E1	100YR-24HR	0.81	0.00	0.02	2.85	13.05	7.95
EX4S29_SWL4E1	100YR-24HR	3.80	0.00	0.00	2.65	4.00	3.32
EX4S30_S29	100YR-24HR	3.05	0.00	0.00	2.20	2.95	2.56
EX4S31_S30	100YR-24HR	2.71	0.00	0.00	3.40	1.95	2.67
EX4S32_S33	100YR-24HR	1.02	-0.02	-0.02	2.48	2.46	2.41
EX4S33_S31	100YR-24HR	1.60	0.00	0.00	2.06	2.01	2.03
EX4S34_S09	100YR-24HR	7.85	0.00	-0.08	3.75	5.40	4.58
EX4S35_CH4_3+B	100YR-24HR	0.07	-3.23	0.04	-1.02	-1.19	-1.10
EX4S36_CH4_4+A	100YR-24HR	10.94	0.00	-0.01	1.71	1.48	1.60
EX4S37_S38	100YR-24HR	3.68	0.00	0.00	1.49	1.47	1.48
EX4S38_S39	100YR-24HR	3.97	0.00	0.00	1.58	1.58	1.58
EX4S39_S40	100YR-24HR	5.04	0.00	0.00	1.67	1.66	1.66
EX4S40_S41	100YR-24HR	5.26	0.00	0.00	1.72	1.72	1.72
EX4S41_S42	100YR-24HR	5.36	0.00	-0.01	1.75	1.68	1.71
EX4S42_S43A	100YR-24HR	6.35	0.00	0.00	2.17	3.46	2.63
EX4S43A_4GW1	100YR-24HR	1.66	0.00	1.66	0.00	0.00	0.00
EX4S43A_S43	100YR-24HR	4.70	0.00	-0.01	1.15	2.79	1.85
EX4S43_4GW1	100YR-24HR	1.49	0.00	1.43	0.00	0.00	0.00
EX4S43_4GW2	100YR-24HR	1.68	0.00	1.61	0.00	0.00	0.00
EX4S43_S44	100YR-24HR	2.71	-0.35	-0.01	0.82	2.11	1.36
EX4S44_4GW2	100YR-24HR	2.39	0.00	-2.15	0.00	0.00	0.00
EX4S44_4GW3	100YR-24HR	1.01	0.00	-0.91	0.00	0.00	0.00
EX4S44_S45	100YR-24HR	1.82	0.00	0.01	1.00	2.62	1.80
EX4S45_4GW3	100YR-24HR	0.82	0.00	0.82	0.00	0.00	0.00
EX4S45_4GW4	100YR-24HR	4.72	0.00	4.72	0.00	0.00	0.00
EX4S45_S46A	100YR-24HR	0.00	-0.58	-0.01	-0.28	-1.31	-0.78
EX4S46A_4G	100YR-24HR	5.03	0.00	5.03	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W4							
EX4S47_S36	100YR-24HR	0.22	0.00	0.01	1.99	2.16	2.08
EX4S48_CH4_4+A	100YR-24HR	0.23	0.00	0.00	2.03	2.13	2.08
EX4S49_S13	100YR-24HR	16.54	0.00	-0.07	1.48	1.76	1.47
EX4S50_S50A	100YR-24HR	1.16	-0.01	-0.04	1.92	1.85	1.84
EX4S51_S51A	100YR-24HR	1.21	-0.02	-0.04	1.96	2.69	2.32
EX4S52_4GW5	100YR-24HR	5.99	0.00	-3.67	0.00	0.00	0.00
EX4S52_S51	100YR-24HR	0.00	-1.36	0.00	-1.00	-3.14	-2.07
EX4S53_4GW5	100YR-24HR	5.98	0.00	4.04	0.00	0.00	0.00
EX4S53_S52	100YR-24HR	0.00	-1.05	-0.01	-0.21	-0.96	-0.48
EX4S54_S53	100YR-24HR	3.52	0.00	0.01	3.18	3.33	2.91
EX4S55_S54	100YR-24HR	0.49	0.00	0.01	1.50	0.51	1.00
EX4S56_S55	100YR-24HR	0.29	0.00	-0.01	1.51	0.97	1.23
EX4S57_S37	100YR-24HR	3.27	0.00	0.00	2.47	3.55	2.88
EX4S58_S39	100YR-24HR	0.69	0.00	0.02	2.72	3.23	2.98
EX4S59_S42	100YR-24HR	0.38	0.00	-0.01	2.31	2.77	2.54
EX4S60_S43	100YR-24HR	0.43	0.00	-0.01	2.39	3.37	2.88
EX4S61_S45	100YR-24HR	0.90	0.00	0.02	2.94	4.02	3.48
EX4S63_CH4_5+B	100YR-24HR	10.57	0.00	-0.01	3.22	3.17	3.20
EX4S64_S36	100YR-24HR	12.41	0.00	0.02	2.92	3.58	3.10
EX4S65_S64	100YR-24HR	0.09	-0.07	0.01	0.37	-1.31	-0.78
EX4S66_S67	100YR-24HR	0.13	0.00	0.01	1.68	1.72	1.66
EX4S67_CH4_4+A	100YR-24HR	4.08	0.00	0.03	0.78	1.55	1.08
EX4S69+A_S69	100YR-24HR	0.01	-0.01	0.00	0.01	0.02	-0.01
EX4S69_CH4_6+A	100YR-24HR	2.35	0.00	0.17	0.93	0.69	0.80
EX4S69_WEIR	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX4S70_S51	100YR-24HR	0.97	0.00	0.00	2.17	2.94	2.49
EX4S71_S52	100YR-24HR	3.20	0.00	-0.05	4.37	5.97	5.17
EX4S72_S53	100YR-24HR	1.31	0.00	0.02	3.27	4.67	3.97
EX4S73_S54	100YR-24HR	1.07	0.00	0.00	2.17	3.10	2.64
EX4S74_S54	100YR-24HR	1.09	0.00	0.02	3.10	1.25	2.01
EX4S75_CH4_5+A	100YR-24HR	0.85	0.00	-0.02	2.89	12.70	7.79
EX4S76_CH4_6+B	100YR-24HR	0.85	0.00	-0.02	2.89	13.78	8.34
EX4S78_S77	100YR-24HR	0.46	0.00	0.00	2.44	6.64	4.54
EX4S79_S90	100YR-24HR	1.06	0.00	0.21	3.26	3.24	3.11
EX4S80A_S82	100YR-24HR	1.10	0.00	0.15	3.11	1.17	2.11
EX4S80_S80A	100YR-24HR	0.87	0.00	-0.06	2.47	1.03	1.57

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S81_S90	100YR-24HR	1.89	0.00	-1.60	2.59	4.74	3.67
EX4S82_PND 401	100YR-24HR	3.07	-2.19	-0.04	2.69	3.44	2.95
EX4S83_PND 401	100YR-24HR	1.80	0.00	-1.64	2.73	5.01	3.87
EX4S84_S82	100YR-24HR	5.09	0.00	3.52	5.29	7.29	6.29
EX4S85_4+A	100YR-24HR	1.98	-1.88	1.45	-1.88	-3.66	-2.77
EX4S86_4+A	100YR-24HR	1.29	-0.90	-1.21	-1.73	-2.94	-2.34
EX4S86_S90	100YR-24HR	0.48	-4.35	0.00	-1.78	-1.78	-1.78
EX4S87_4+A	100YR-24HR	0.87	0.00	0.04	2.47	4.38	3.43
EX4S91_O02	100YR-24HR	13.96	0.00	3.35	1.42	1.42	1.42
EX4S91_WEIR1	100YR-24HR	13.27	0.00	0.31	1.66	1.66	1.66
EX4S91_WEIR2	100YR-24HR	0.74	0.00	0.01	4.35	4.35	4.35
EX4S92_S96	100YR-24HR	1.37	0.00	-0.04	2.15	3.02	2.58
EX4S93_S95	100YR-24HR	0.40	0.00	0.11	1.64	0.93	1.05
EX4S94_S92	100YR-24HR	0.59	0.00	0.02	2.03	1.90	1.90
EX4S95_S91	100YR-24HR	15.63	-0.19	6.03	1.26	1.26	1.26
EX4S96_S95	100YR-24HR	13.40	0.00	1.18	1.20	1.08	1.14
EX4S97_S98	100YR-24HR	0.46	0.00	0.01	2.36	2.83	2.56
EX4S98_S96	100YR-24HR	11.74	0.00	-0.39	1.53	1.41	1.47
EX4S99_S98	100YR-24HR	10.02	0.00	0.19	1.66	1.31	1.48
EX5S01_5GW1	100YR-24HR	1.22	0.00	0.00	0.00	0.00	0.00
EX5S01_S05	100YR-24HR	0.39	-3.29	-0.04	-1.05	-1.05	-1.05
EX5S01_WEIR	100YR-24HR	0.00	-4.13	0.00	0.00	0.00	0.00
EX5S02_S01	100YR-24HR	0.38	0.00	0.05	2.72	0.83	1.62
EX5S03_S04	100YR-24HR	0.38	0.00	0.02	2.37	0.79	1.53
EX5S04_5GW5	100YR-24HR	2.23	0.00	0.00	0.00	0.00	0.00
EX5S04_S08	100YR-24HR	0.16	-4.59	-0.03	-1.46	-1.46	-1.46
EX5S04_WEIR	100YR-24HR	0.00	-5.55	0.00	0.00	0.00	0.00
EX5S05_5GW1	100YR-24HR	1.14	0.00	0.00	0.00	0.00	0.00
EX5S05_5GW2	100YR-24HR	1.14	0.00	0.00	0.00	0.00	0.00
EX5S05_S09	100YR-24HR	1.28	-1.70	0.03	-0.55	-0.55	-0.55
EX5S06_S05	100YR-24HR	0.65	0.00	0.03	2.62	8.40	5.33
EX5S07_S08	100YR-24HR	0.65	0.00	0.02	2.24	0.96	1.51
EX5S08_5GW5	100YR-24HR	2.06	0.00	0.00	0.00	0.00	0.00
EX5S08_5GW6	100YR-24HR	2.06	0.00	0.00	0.00	0.00	0.00
EX5S08_S12	100YR-24HR	1.28	-1.26	-0.39	0.63	0.74	0.68

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX5S09_5GW2	100YR-24HR	1.12	0.00	0.00	0.00	0.00	0.00
EX5S09_5GW3	100YR-24HR	0.89	0.00	0.00	0.00	0.00	0.00
EX5S09_S15	100YR-24HR	1.99	-0.53	0.11	0.65	0.66	0.65
EX5S10_S09	100YR-24HR	0.65	0.00	-0.02	2.45	8.13	5.16
EX5S11_S12	100YR-24HR	0.49	0.00	0.03	2.13	0.86	1.43
EX5S12_5GW6	100YR-24HR	2.06	0.00	0.00	0.00	0.00	0.00
EX5S13_S14	100YR-24HR	0.60	0.00	0.00	1.93	7.12	4.52
EX5S14_S12	100YR-24HR	2.58	-0.06	1.06	1.25	0.79	1.02
EX5S15_5GW3	100YR-24HR	0.89	0.00	0.00	0.00	0.00	0.00
EX5S15_5GW4	100YR-24HR	1.12	0.00	0.00	0.00	0.00	0.00
EX5S16_S15	100YR-24HR	0.99	0.00	0.03	2.62	9.74	6.04
EX5S17_S18	100YR-24HR	0.45	0.00	-0.03	2.48	7.95	5.07
EX5S18_5GW7	100YR-24HR	1.33	0.00	0.00	0.00	0.00	0.00
EX5S18_S14	100YR-24HR	1.97	-0.15	-0.66	1.23	0.89	1.06
EX5S19_CH5_1+A	100YR-24HR	3.57	0.00	0.06	3.38	12.05	7.34
EX5S21_5GW4	100YR-24HR	1.12	0.00	0.00	0.00	0.00	0.00
EX5S21_S15	100YR-24HR	2.48	-0.10	0.11	0.80	0.83	0.80
EX5S22A_S19	100YR-24HR	3.24	0.00	0.00	2.35	2.71	2.53
EX5S22_S21	100YR-24HR	2.69	0.00	-0.01	2.54	10.97	6.76
EX5S23_S22A	100YR-24HR	2.92	0.00	0.00	2.23	2.12	2.18
EX5S24A_S23	100YR-24HR	2.63	0.00	0.00	1.91	2.02	1.96
EX5S24_S22	100YR-24HR	2.07	0.00	-0.01	2.20	1.96	2.08
EX5S25_S24A	100YR-24HR	2.34	0.00	-0.01	1.91	1.69	1.80
EX5S26_S25	100YR-24HR	2.04	0.00	0.00	2.19	2.05	2.12
EX5S27_S24	100YR-24HR	1.39	0.00	-0.02	2.08	1.79	1.94
EX5S28_S29	100YR-24HR	1.35	0.00	0.00	2.21	8.25	5.23
EX5S29_S26	100YR-24HR	1.81	0.00	0.01	2.26	1.95	2.10
EX5S30_S28	100YR-24HR	1.30	0.00	0.00	2.05	2.12	2.08
EX5S31_S27	100YR-24HR	0.72	0.00	-0.01	1.74	1.07	1.41
EX5S32_S30	100YR-24HR	0.86	0.00	0.01	1.83	1.69	1.60
EX5S33_S31	100YR-24HR	0.24	0.00	0.01	1.43	0.61	1.02
CH4_1+SEC1	100YR-8HR	4.93	0.00	0.02	0.68	0.41	0.55
CH4_1+SEC2	100YR-8HR	3.85	0.00	0.00	1.02	1.15	0.79
CH4_1+SEC3	100YR-8HR	3.76	0.00	0.00	1.17	1.06	1.07
CH4_1+SEC4	100YR-8HR	3.77	0.00	0.00	0.88	1.17	1.03
CH4_1+SEC5	100YR-8HR	3.82	0.00	0.00	1.02	1.43	0.96
CH4_1+SEC6	100YR-8HR	3.81	0.00	0.00	1.14	1.07	1.08
CH4_1+SEC7	100YR-8HR	2.07	0.00	0.00	1.03	2.16	1.46
CH4_2+SEC1	100YR-8HR	61.49	0.00	0.03	1.71	1.34	1.52

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CH4_2+SEC2	100YR-8HR	10.89	-0.23	-0.04	0.82	0.85	0.83
CH4_2+SEC3	100YR-8HR	14.06	0.00	-0.06	1.11	2.29	1.45
CH4_3+SEC1	100YR-8HR	1.99	0.00	0.10	2.64	1.95	1.48
CH4_3+SEC2	100YR-8HR	0.47	-5.74	-0.78	-0.28	-0.29	-0.28
CH4_3+SEC4	100YR-8HR	0.00	-9.30	-0.59	-2.90	-3.22	-2.68
CH4_3+SEC5	100YR-8HR	0.05	-8.20	-0.04	-1.02	-2.79	-1.82
CH4_4+SEC1	100YR-8HR	46.04	0.00	-0.13	0.89	0.87	0.88
CH4_4+SEC2	100YR-8HR	1.99	0.00	0.11	2.38	1.07	1.23
CH4_5+SEC1	100YR-8HR	2.55	0.00	0.03	2.78	1.97	1.75
CH4_5+SEC2	100YR-8HR	30.88	0.00	-0.01	1.39	1.59	1.48
CH4_6+SEC1	100YR-8HR	12.69	0.00	8.68	0.28	0.30	0.27
CH4_6+SEC2	100YR-8HR	2.55	0.00	-0.22	2.89	2.03	1.61
CH4_6+SEC4	100YR-8HR	2.96	0.00	-0.21	0.62	2.09	1.29
CH4_7+SEC1	100YR-8HR	2.81	-0.47	0.11	0.25	0.60	0.38
CH4_7+SEC2	100YR-8HR	4.04	0.00	-0.14	0.60	2.31	1.45
CH4_8+SEC1	100YR-8HR	0.00	-4.55	0.01	-0.33	-2.47	-1.40
CH4_9+SEC1	100YR-8HR	0.11	-2.92	0.01	-0.22	-1.65	-0.90
CH5_1+A_5GW7	100YR-8HR	4.02	0.00	0.00	0.00	0.00	0.00
CH5_1+A_S18	100YR-8HR	7.67	-0.11	0.09	2.44	2.44	2.44
CH5_1+SEC1	100YR-8HR	1.28	0.00	-0.02	0.81	1.30	0.92
CH5_1+SEC2	100YR-8HR	0.61	0.00	0.00	0.77	0.50	0.59
CH5_1+SEC3	100YR-8HR	0.42	0.00	0.00	0.62	0.53	0.56
CH5_1+SEC4	100YR-8HR	0.25	0.00	0.00	0.55	0.37	0.46
CH5_1+SEC5	100YR-8HR	0.13	0.00	0.00	0.20	0.28	0.24
EX4S02_S03	100YR-8HR	1.46	0.00	0.07	2.64	2.69	2.63
EX4S03_O01	100YR-8HR	141.52	-0.50	10.53	5.63	5.63	5.63
EX4S03_WEIR1	100YR-8HR	63.61	-0.01	0.43	3.31	3.31	3.31
EX4S03_WEIR2	100YR-8HR	77.91	0.00	0.22	2.69	2.69	2.69
EX4S04_S05	100YR-8HR	1.57	0.00	0.14	3.28	3.20	2.92
EX4S05_S06	100YR-8HR	3.55	0.00	0.12	3.17	3.35	3.02
EX4S06_S03	100YR-8HR	139.58	0.00	1.33	4.94	4.94	4.94
EX4S07_S10	100YR-8HR	3.19	0.00	0.44	4.37	4.66	4.21
EX4S08_S06	100YR-8HR	131.40	0.00	0.88	4.65	4.65	4.65
EX4S09_S08	100YR-8HR	124.15	0.00	-0.51	5.23	5.23	5.23
EX4S101_4S99	100YR-8HR	21.11	0.00	-0.03	3.90	5.54	4.72
EX4S102_S103	100YR-8HR	1.74	0.00	-0.02	3.05	5.64	4.35
EX4S104_S103	100YR-8HR	2.07	0.00	0.03	3.22	2.65	2.94
EX4S105_4S99	100YR-8HR	6.45	0.00	-0.10	4.38	9.01	6.70
EX4S106_SW	100YR-8HR	2.47	0.00	0.02	3.99	19.60	11.79

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L4W1							
EX4S107_SW L4W1	100YR-8HR	2.31	0.00	-0.02	3.90	19.28	11.59
EX4S108_S10 6	100YR-8HR	1.26	0.00	0.00	1.95	1.65	1.80
EX4S109_S10 7	100YR-8HR	1.18	0.00	0.00	2.33	1.61	1.97
EX4S10_S08	100YR-8HR	4.28	-0.01	-0.78	3.95	3.49	3.58
EX4S11_S12	100YR-8HR	24.53	-0.02	-0.07	13.88	14.23	14.05
EX4S12_S09	100YR-8HR	103.05	0.00	-0.12	5.24	7.31	6.25
EX4S14_S12	100YR-8HR	24.17	0.00	-1.64	13.68	14.05	13.86
EX4S15_CH4 _3+A	100YR-8HR	1.99	0.00	-0.02	3.72	17.34	10.53
EX4S16_S12	100YR-8HR	0.72	0.00	-0.03	2.80	5.15	3.98
EX4S17_S12	100YR-8HR	3.56	0.00	-1.61	4.48	7.96	6.22
EX4S18_S12	100YR-8HR	1.18	0.00	0.02	3.17	8.03	5.59
EX4S19_S12	100YR-8HR	2.23	0.00	-0.02	3.86	12.49	8.18
EX4S20_CH4 _4+B	100YR-8HR	1.99	0.00	0.02	3.72	17.66	10.69
EX4S21_S26	100YR-8HR	1.14	0.00	0.02	3.14	1.55	2.34
EX4S22_S27	100YR-8HR	0.85	0.00	0.02	2.89	0.93	1.91
EX4S23_S28	100YR-8HR	0.85	0.00	0.02	2.89	1.13	2.01
EX4S24_S31	100YR-8HR	1.41	0.00	0.00	1.70	1.15	1.39
EX4S25_S33	100YR-8HR	1.74	0.00	0.00	2.10	2.00	1.86
EX4S26_SWL 4E1	100YR-8HR	2.31	0.00	-0.02	3.90	18.44	11.17
EX4S27_SWL 4E1	100YR-8HR	2.03	0.00	0.02	3.74	17.94	10.84
EX4S28_SWL 4E1	100YR-8HR	2.43	0.00	-0.02	3.97	18.13	11.05
EX4S29_SWL 4E1	100YR-8HR	11.14	0.00	-0.01	3.88	5.69	4.78
EX4S30_S29	100YR-8HR	8.88	0.00	0.00	3.04	3.47	3.26
EX4S31_S30	100YR-8HR	7.88	0.00	0.00	3.59	2.70	3.08
EX4S32_S33	100YR-8HR	2.84	-0.02	-0.02	2.48	2.46	2.41
EX4S33_S31	100YR-8HR	4.57	0.00	0.00	2.21	2.07	2.13
EX4S34_S09	100YR-8HR	21.02	0.00	-1.26	5.16	7.29	6.23
EX4S35_CH4 _3+B	100YR-8HR	0.04	-7.11	-0.03	-1.59	-1.78	-1.68
EX4S36_CH4 _4+A	100YR-8HR	34.19	0.00	-0.05	2.37	2.25	2.31
EX4S37_S38	100YR-8HR	9.36	0.00	-0.01	2.98	2.98	2.98
EX4S38_S39	100YR-8HR	9.81	0.00	0.01	3.12	3.12	3.12
EX4S39_S40	100YR-8HR	11.89	0.00	-0.03	2.42	2.42	2.42
EX4S40_S41	100YR-8HR	12.46	0.00	-0.01	2.54	2.54	2.54
EX4S41_S42	100YR-8HR	12.74	0.00	-0.03	2.59	2.59	2.59
EX4S42_S43A	100YR-8HR	15.34	0.00	0.02	3.13	3.32	3.13

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S43A_4GW1	100YR-8HR	3.69	0.00	0.82	0.00	0.00	0.00
EX4S43A_S43	100YR-8HR	11.82	0.00	-0.49	1.33	2.71	1.80
EX4S43_4GW1	100YR-8HR	3.47	0.00	0.82	0.00	0.00	0.00
EX4S43_4GW2	100YR-8HR	3.92	0.00	0.93	0.00	0.00	0.00
EX4S43_S44	100YR-8HR	8.44	-0.35	0.38	1.03	2.12	1.36
EX4S44_4GW2	100YR-8HR	3.80	0.00	0.93	0.00	0.00	0.00
EX4S44_4GW3	100YR-8HR	1.57	0.00	0.40	0.00	0.00	0.00
EX4S44_S45	100YR-8HR	7.13	0.00	-0.30	1.29	2.83	1.97
EX4S45_4GW3	100YR-8HR	1.56	0.00	0.48	0.00	0.00	0.00
EX4S45_4GW4	100YR-8HR	8.92	0.00	2.74	0.00	0.00	0.00
EX4S45_S46A	100YR-8HR	3.79	-3.22	-0.18	-0.43	-1.19	-0.65
EX4S46A_4GW4	100YR-8HR	8.90	0.00	2.74	0.00	0.00	0.00
EX4S47_S36	100YR-8HR	0.70	0.00	0.07	2.72	2.82	2.68
EX4S48_CH4_4+A	100YR-8HR	0.69	0.00	0.05	2.71	2.79	2.69
EX4S49_S13	100YR-8HR	50.15	0.00	-0.06	2.05	2.37	2.04
EX4S50_S50A	100YR-8HR	3.46	-0.01	-0.04	2.82	2.82	2.82
EX4S51_S51A	100YR-8HR	10.96	-0.31	0.02	6.20	6.20	6.20
EX4S52_4GW5	100YR-8HR	11.12	0.00	1.82	0.00	0.00	0.00
EX4S52_S51	100YR-8HR	5.22	-1.80	0.35	2.96	-3.35	2.96
EX4S53_4GW5	100YR-8HR	11.12	0.00	1.82	0.00	0.00	0.00
EX4S53_S52	100YR-8HR	4.41	-1.86	-0.73	0.49	1.03	0.62
EX4S54_S53	100YR-8HR	8.89	0.00	0.02	3.24	3.57	3.11
EX4S55_S54	100YR-8HR	3.26	-0.49	-0.07	1.84	1.84	1.84
EX4S56_S55	100YR-8HR	2.94	-0.77	0.03	1.74	1.66	1.66
EX4S57_S37	100YR-8HR	8.75	0.00	-0.02	4.95	4.95	4.95
EX4S58_S39	100YR-8HR	2.13	0.00	0.30	3.80	4.05	3.73
EX4S59_S42	100YR-8HR	1.38	0.00	0.19	3.33	3.66	3.33
EX4S60_S43	100YR-8HR	1.58	0.00	0.22	3.46	4.36	3.70
EX4S61_S45	100YR-8HR	3.07	0.00	0.37	4.28	4.91	4.26
EX4S63_CH4_5+B	100YR-8HR	28.60	0.00	-0.01	4.55	4.64	4.59
EX4S64_S36	100YR-8HR	33.43	0.00	-0.02	3.59	4.36	3.89
EX4S65_S64	100YR-8HR	0.24	-0.28	0.02	-0.62	-2.12	-1.37
EX4S66_S67	100YR-8HR	0.64	0.00	-0.47	2.21	2.19	2.16
EX4S67_CH4_4+A	100YR-8HR	11.78	0.00	1.49	0.93	1.74	1.27

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S69+A_S69	100YR-8HR	0.06	-0.10	0.10	-0.14	-0.16	-0.10
EX4S69_CH4_6+A	100YR-8HR	6.81	-0.03	2.00	1.14	0.85	0.99
EX4S69_WEIR	100YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX4S70_S51	100YR-8HR	2.68	0.00	0.01	2.45	3.42	2.89
EX4S71_S52	100YR-8HR	8.92	0.00	1.42	7.27	7.85	7.27
EX4S72_S53	100YR-8HR	5.07	0.00	-0.70	5.31	5.95	5.15
EX4S73_S54	100YR-8HR	3.05	0.00	0.00	2.71	3.79	3.21
EX4S74_S54	100YR-8HR	3.00	0.00	0.34	3.97	2.44	2.98
EX4S75_CH4_5+A	100YR-8HR	2.56	0.00	-0.02	4.04	17.63	10.84
EX4S76_CH4_6+B	100YR-8HR	2.56	0.00	-0.02	4.04	19.15	11.59
EX4S78_S77	100YR-8HR	1.38	0.00	0.02	3.32	9.22	6.27
EX4S79_S90	100YR-8HR	2.31	0.00	0.27	3.90	4.41	4.16
EX4S80A_S82	100YR-8HR	2.68	0.00	0.37	4.10	2.67	3.39
EX4S80_S80A	100YR-8HR	2.39	0.00	-0.04	3.28	1.95	2.62
EX4S81_S90	100YR-8HR	2.59	0.00	-2.08	3.59	6.62	5.11
EX4S82_PND401	100YR-8HR	10.16	-1.68	0.10	3.49	4.89	4.18
EX4S83_PND401	100YR-8HR	2.63	0.00	-2.15	3.72	6.83	5.27
EX4S84_S82	100YR-8HR	8.60	0.00	1.33	7.01	7.33	7.17
EX4S85_4+A	100YR-8HR	2.51	-1.88	-0.19	2.05	-3.66	-2.77
EX4S86_4+A	100YR-8HR	3.26	-0.90	2.56	3.38	4.58	3.44
EX4S86_S90	100YR-8HR	1.96	-2.60	-0.01	-1.55	-1.55	-1.55
EX4S87_4+A	100YR-8HR	2.71	0.00	-0.70	4.12	7.45	5.78
EX4S91_O02	100YR-8HR	39.63	0.00	3.52	4.04	4.04	4.04
EX4S91_WEIR1	100YR-8HR	38.82	0.00	-0.22	2.36	2.36	2.36
EX4S91_WEIR2	100YR-8HR	0.81	0.00	0.00	4.72	4.72	4.72
EX4S92_S96	100YR-8HR	8.06	0.00	4.37	5.81	5.45	5.26
EX4S93_S95	100YR-8HR	1.09	0.00	-0.18	2.04	1.82	1.79
EX4S94_S92	100YR-8HR	1.77	0.00	0.08	2.50	2.41	2.44
EX4S95_S91	100YR-8HR	39.56	-0.06	-5.76	3.15	3.15	3.15
EX4S96_S95	100YR-8HR	37.58	0.00	1.12	2.99	2.99	2.99
EX4S97_S98	100YR-8HR	1.36	0.00	0.08	2.92	2.75	2.63
EX4S98_S96	100YR-8HR	33.17	0.00	0.35	3.45	3.45	3.45
EX4S99_S98	100YR-8HR	28.27	0.00	-0.13	3.03	2.94	2.98
EX5S01_5GW1	100YR-8HR	2.63	0.00	0.00	0.00	0.00	0.00
EX5S01_S05	100YR-8HR	0.97	-2.36	-0.07	-0.81	-0.82	-0.81
EX5S01_WEIR	100YR-8HR	0.00	-2.92	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX5S02_S01	100YR-8HR	1.14	0.00	-0.04	2.72	0.84	1.61
EX5S03_S04	100YR-8HR	2.79	0.00	-2.37	2.72	1.58	2.15
EX5S04_5GW5	100YR-8HR	5.67	0.00	0.00	0.00	0.00	0.00
EX5S04_S08	100YR-8HR	0.61	-4.25	-0.05	-1.35	-1.35	-1.35
EX5S04_WEIR	100YR-8HR	0.00	-4.55	0.00	0.00	0.00	0.00
EX5S05_5GW1	100YR-8HR	2.64	0.00	0.00	0.00	0.00	0.00
EX5S05_5GW2	100YR-8HR	2.64	0.00	0.00	0.00	0.00	0.00
EX5S05_S09	100YR-8HR	3.34	-1.30	-0.06	1.06	1.06	1.06
EX5S06_S05	100YR-8HR	1.95	0.00	0.03	2.64	8.07	5.16
EX5S07_S08	100YR-8HR	3.05	0.00	-3.01	3.02	7.48	4.78
EX5S08_5GW5	100YR-8HR	5.49	0.00	0.00	0.00	0.00	0.00
EX5S08_5GW6	100YR-8HR	5.49	0.00	0.00	0.00	0.00	0.00
EX5S08_S12	100YR-8HR	4.06	-0.75	-0.52	1.29	1.38	1.29
EX5S09_5GW2	100YR-8HR	2.74	0.00	0.00	0.00	0.00	0.00
EX5S09_5GW3	100YR-8HR	2.19	0.00	0.00	0.00	0.00	0.00
EX5S09_S15	100YR-8HR	5.32	-0.60	-0.06	1.69	1.69	1.69
EX5S10_S09	100YR-8HR	1.95	0.00	0.02	2.61	7.84	5.01
EX5S11_S12	100YR-8HR	2.81	0.00	2.18	2.82	1.59	2.21
EX5S12_5GW6	100YR-8HR	5.63	0.00	0.00	0.00	0.00	0.00
EX5S13_S14	100YR-8HR	3.47	0.00	3.23	3.18	9.06	5.66
EX5S14_S12	100YR-8HR	7.52	-0.19	1.39	1.53	1.53	1.53
EX5S15_5GW3	100YR-8HR	2.40	0.00	0.00	0.00	0.00	0.00
EX5S15_5GW4	100YR-8HR	3.00	0.00	0.00	0.00	0.00	0.00
EX5S16_S15	100YR-8HR	2.96	0.00	-0.03	2.86	10.27	6.32
EX5S17_S18	100YR-8HR	3.59	0.00	-3.18	3.09	8.79	5.51
EX5S18_5GW7	100YR-8HR	3.74	0.00	0.00	0.00	0.00	0.00
EX5S18_S14	100YR-8HR	5.84	-0.27	-0.87	1.62	1.42	1.52
EX5S19_CH5_1+A	100YR-8HR	10.52	0.00	0.09	3.68	18.89	11.09
EX5S21_5GW4	100YR-8HR	3.43	0.00	0.00	0.00	0.00	0.00
EX5S21_S15	100YR-8HR	6.91	-0.17	-0.07	2.20	2.20	2.20
EX5S22A_S19	100YR-8HR	9.57	0.00	0.00	3.05	3.35	3.19
EX5S22_S21	100YR-8HR	8.07	0.00	-0.01	3.35	14.68	8.96
EX5S23_S22A	100YR-8HR	8.62	0.00	0.00	2.74	2.74	2.74

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX5S24A_S23	100YR-8HR	7.80	0.00	0.00	2.48	2.48	2.48
EX5S24_S22	100YR-8HR	6.20	0.00	-0.01	2.99	2.58	2.79
EX5S25_S24A	100YR-8HR	6.93	0.00	-0.01	2.21	2.21	2.21
EX5S26_S25	100YR-8HR	6.06	0.00	0.00	3.43	3.43	3.43
EX5S27_S24	100YR-8HR	4.18	0.00	-0.02	2.88	2.65	2.76
EX5S28_S29	100YR-8HR	4.06	0.00	0.00	2.93	11.00	6.91
EX5S29_S26	100YR-8HR	5.40	0.00	-0.01	3.06	3.06	3.06
EX5S30_S28	100YR-8HR	3.89	0.00	-0.04	2.65	2.81	2.73
EX5S31_S27	100YR-8HR	2.15	0.00	-0.01	2.35	1.48	1.91
EX5S32_S30	100YR-8HR	2.60	0.00	0.01	2.48	1.97	2.12
EX5S33_S31	100YR-8HR	0.73	0.00	0.01	1.75	0.80	1.27
CH4_1+SEC1	10YR-1HR	4.28	-2.21	0.01	0.88	-2.23	-1.27
CH4_1+SEC2	10YR-1HR	4.19	0.00	0.00	1.04	0.85	0.95
CH4_1+SEC3	10YR-1HR	4.49	0.00	0.00	1.19	2.08	1.38
CH4_1+SEC4	10YR-1HR	4.52	0.00	0.00	0.96	2.11	1.36
CH4_1+SEC5	10YR-1HR	4.99	0.00	0.00	1.07	2.51	1.61
CH4_1+SEC6	10YR-1HR	5.08	0.00	0.00	1.24	2.24	1.49
CH4_1+SEC7	10YR-1HR	2.74	0.00	0.00	1.12	2.26	1.51
CH4_2+SEC1	10YR-1HR	23.49	0.00	0.01	1.19	1.09	1.13
CH4_2+SEC2	10YR-1HR	2.27	-0.74	-0.08	0.40	1.20	0.75
CH4_2+SEC3	10YR-1HR	6.48	0.00	-0.04	1.15	3.29	2.21
CH4_3+SEC1	10YR-1HR	2.63	0.00	0.11	2.79	2.57	2.04
CH4_3+SEC2	10YR-1HR	0.72	-4.57	-0.02	0.30	0.66	0.44
CH4_3+SEC4	10YR-1HR	0.00	-8.59	-0.03	-2.51	-3.54	-2.97
CH4_3+SEC5	10YR-1HR	0.29	-7.06	0.01	-1.05	-2.37	-1.71
CH4_4+SEC1	10YR-1HR	28.20	-0.17	-0.05	1.16	1.55	1.34
CH4_4+SEC2	10YR-1HR	2.64	0.00	-0.32	2.69	2.20	2.20
CH4_5+SEC1	10YR-1HR	3.39	0.00	-0.09	2.94	2.54	2.43
CH4_5+SEC2	10YR-1HR	23.84	0.00	-0.01	1.39	1.71	1.50
CH4_6+SEC1	10YR-1HR	6.30	0.00	-0.09	0.53	0.84	0.63
CH4_6+SEC2	10YR-1HR	3.40	0.00	0.31	3.06	2.74	2.24
CH4_6+SEC4	10YR-1HR	4.08	0.00	-0.01	0.92	2.83	1.83
CH4_7+SEC1	10YR-1HR	2.28	-0.69	0.01	0.30	0.85	0.52
CH4_7+SEC2	10YR-1HR	5.26	0.00	-0.02	0.93	2.96	1.93
CH4_8+SEC1	10YR-1HR	0.00	-5.04	0.00	-0.33	-2.47	-1.40
CH4_9+SEC1	10YR-1HR	0.16	-1.10	0.01	-0.19	-1.95	-1.07
CH5_1+A_5GW7	10YR-1HR	4.30	0.00	0.00	0.00	0.00	0.00
CH5_1+A_S18	10YR-1HR	9.28	0.00	0.00	2.95	2.95	2.95
CH5_1+SEC1	10YR-1HR	0.38	0.00	0.00	0.64	0.66	0.54
CH5_1+SEC2	10YR-1HR	0.27	0.00	0.00	0.59	0.44	0.49
CH5_1+SEC3	10YR-1HR	0.18	0.00	0.00	0.44	0.40	0.41
CH5_1+SEC4	10YR-1HR	0.10	0.00	0.00	0.41	0.25	0.33
CH5_1+SEC5	10YR-1HR	0.05	0.00	0.00	0.14	0.21	0.18
EX4S02_S03	10YR-1HR	2.26	0.00	0.19	3.75	3.76	3.58
EX4S03_O01	10YR-1HR	73.11	-0.54	9.86	2.91	2.91	2.91

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S03_WEIR1	10YR-1HR	44.17	0.00	0.39	2.99	2.99	2.99
EX4S03_WEIR2	10YR-1HR	28.95	0.00	-0.01	1.93	1.93	1.93
EX4S04_S05	10YR-1HR	2.10	0.00	0.24	3.79	3.71	3.54
EX4S05_S06	10YR-1HR	5.51	0.00	-0.97	4.94	4.70	4.50
EX4S06_S03	10YR-1HR	71.64	0.00	1.11	2.60	2.54	2.57
EX4S07_S10	10YR-1HR	3.18	0.00	-0.05	4.36	5.21	4.78
EX4S08_S06	10YR-1HR	65.80	0.00	-0.74	2.50	2.39	2.44
EX4S09_S08	10YR-1HR	60.66	0.00	0.48	2.96	2.77	2.86
EX4S101_4S99	10YR-1HR	13.14	0.00	0.02	3.41	4.76	4.08
EX4S102_S103	10YR-1HR	2.32	0.00	-0.02	3.10	5.74	4.42
EX4S104_S103	10YR-1HR	2.75	0.00	0.06	3.41	3.16	3.29
EX4S105_4S99	10YR-1HR	5.71	0.00	-0.04	4.21	8.67	6.44
EX4S106_SWL4W1	10YR-1HR	3.28	0.00	-0.05	4.41	21.31	12.86
EX4S107_SWL4W1	10YR-1HR	3.07	0.00	0.05	4.30	20.98	12.64
EX4S108_S106	10YR-1HR	1.67	0.00	0.00	2.04	1.80	1.92
EX4S109_S107	10YR-1HR	1.56	0.00	0.00	2.37	1.75	2.05
EX4S10_S08	10YR-1HR	5.45	-0.01	0.02	4.44	5.46	4.94
EX4S11_S12	10YR-1HR	24.53	-0.04	-0.07	13.88	14.23	14.05
EX4S12_S09	10YR-1HR	43.90	0.00	0.05	3.86	5.45	4.65
EX4S14_S12	10YR-1HR	24.17	0.00	-0.78	13.68	14.05	13.86
EX4S15_CH4_3+A	10YR-1HR	2.64	0.00	-0.02	4.08	18.88	11.48
EX4S16_S12	10YR-1HR	0.97	0.00	-0.02	3.00	5.55	4.27
EX4S17_S12	10YR-1HR	3.23	0.00	-0.05	4.38	7.83	6.10
EX4S18_S12	10YR-1HR	1.56	0.00	-0.02	3.45	8.76	6.10
EX4S19_S12	10YR-1HR	2.96	0.00	-0.05	4.25	13.57	8.91
EX4S20_CH4_4+B	10YR-1HR	2.64	0.00	-0.02	4.08	19.22	11.65
EX4S21_S26	10YR-1HR	1.51	0.00	0.02	3.41	1.69	2.55
EX4S22_S27	10YR-1HR	1.13	0.00	0.02	3.14	1.10	2.12
EX4S23_S28	10YR-1HR	1.13	0.00	-0.02	3.14	1.23	2.18
EX4S24_S31	10YR-1HR	1.83	0.00	0.00	2.02	1.55	1.78
EX4S25_S33	10YR-1HR	2.25	0.00	0.00	2.52	2.89	2.48
EX4S26_SWL4E1	10YR-1HR	3.07	0.00	-0.05	4.30	20.07	12.18
EX4S27_SWL4E1	10YR-1HR	2.69	0.00	0.02	4.11	19.53	11.82

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S28_SWL 4E1	10YR-1HR	3.23	0.00	0.05	4.38	19.72	12.05
EX4S29_SWL 4E1	10YR-1HR	12.22	0.00	-0.01	4.06	5.88	4.97
EX4S30_S29	10YR-1HR	9.34	0.00	0.00	3.07	3.42	3.25
EX4S31_S30	10YR-1HR	8.05	0.00	0.00	3.57	2.65	2.98
EX4S32_S33	10YR-1HR	1.70	-0.19	-0.02	2.48	2.46	2.41
EX4S33_S31	10YR-1HR	3.87	0.00	0.00	1.96	1.70	1.83
EX4S34_S09	10YR-1HR	16.72	0.00	0.21	4.78	6.84	5.81
EX4S35_CH4 _3+B	10YR-1HR	0.15	-6.28	-0.01	-1.59	-1.82	-1.71
EX4S36_CH4 _4+A	10YR-1HR	22.72	0.00	-0.03	2.80	3.24	2.90
EX4S37_S38	10YR-1HR	6.84	0.00	-0.01	2.18	2.18	2.18
EX4S38_S39	10YR-1HR	7.70	0.00	-0.01	2.45	2.45	2.45
EX4S39_S40	10YR-1HR	10.79	0.00	0.02	2.25	2.31	2.28
EX4S40_S41	10YR-1HR	11.33	0.00	-0.01	2.35	2.41	2.38
EX4S41_S42	10YR-1HR	11.59	0.00	-0.01	2.45	2.45	2.45
EX4S42_S43A	10YR-1HR	13.68	0.00	0.01	3.01	4.69	3.66
EX4S43A_4G W1	10YR-1HR	3.34	0.00	1.90	0.00	0.00	0.00
EX4S43A_S43	10YR-1HR	10.13	0.00	0.02	1.68	4.04	2.77
EX4S43_4GW 1	10YR-1HR	3.03	0.00	1.90	0.00	0.00	0.00
EX4S43_4GW 2	10YR-1HR	3.42	0.00	2.15	0.00	0.00	0.00
EX4S43_S44	10YR-1HR	6.27	-0.35	0.01	1.31	2.92	1.94
EX4S44_4GW 2	10YR-1HR	3.14	0.00	2.15	0.00	0.00	0.00
EX4S44_4GW 3	10YR-1HR	1.33	0.00	0.91	0.00	0.00	0.00
EX4S44_S45	10YR-1HR	4.25	0.00	0.01	1.51	3.55	2.52
EX4S45_4GW 3	10YR-1HR	1.25	0.00	1.01	0.00	0.00	0.00
EX4S45_4GW 4	10YR-1HR	7.16	0.00	5.78	0.00	0.00	0.00
EX4S45_S46A	10YR-1HR	0.00	-1.14	-0.01	-0.52	-2.09	-1.29
EX4S46A_4G W4	10YR-1HR	7.36	0.00	5.78	0.00	0.00	0.00
EX4S47_S36	10YR-1HR	1.01	0.00	0.14	3.03	3.24	3.07
EX4S48_CH4 _4+A	10YR-1HR	0.92	0.00	-0.02	2.95	3.20	3.07
EX4S49_S13	10YR-1HR	28.56	0.00	-0.11	2.82	3.65	3.14
EX4S50_S50A	10YR-1HR	4.44	-0.02	-0.01	3.62	3.78	3.67
EX4S51_S51A	10YR-1HR	2.29	-0.82	-0.04	1.96	2.69	2.32
EX4S52_4GW 5	10YR-1HR	9.67	0.00	4.57	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S52_S51	10YR-1HR	0.00	-2.28	0.00	-1.39	-3.69	-2.54
EX4S53_4GW5	10YR-1HR	9.66	0.00	4.57	0.00	0.00	0.00
EX4S53_S52	10YR-1HR	0.45	-1.11	-0.07	-0.26	-0.27	-0.27
EX4S54_S53	10YR-1HR	9.33	0.00	-0.02	3.93	5.20	4.40
EX4S55_S54	10YR-1HR	1.44	0.00	0.00	1.63	0.83	1.12
EX4S56_S55	10YR-1HR	0.95	0.00	0.00	1.87	1.94	1.63
EX4S57_S37	10YR-1HR	5.51	0.00	0.00	3.12	3.53	3.12
EX4S58_S39	10YR-1HR	2.38	0.00	0.33	3.94	4.23	3.93
EX4S59_S42	10YR-1HR	1.07	0.00	-0.02	3.08	3.75	3.42
EX4S60_S43	10YR-1HR	1.12	0.00	-0.02	3.13	4.46	3.79
EX4S61_S45	10YR-1HR	2.02	0.00	0.03	3.74	5.06	4.40
EX4S63_CH4_5+B	10YR-1HR	20.95	0.00	-0.01	3.93	4.29	4.11
EX4S64_S36	10YR-1HR	25.28	0.00	-0.03	3.62	4.96	4.24
EX4S65_S64	10YR-1HR	0.28	-1.45	0.06	-1.55	-3.36	-2.46
EX4S66_S67	10YR-1HR	0.50	-0.01	0.01	2.50	2.48	2.43
EX4S67_CH4_4+A	10YR-1HR	6.34	0.00	-0.02	1.40	2.46	1.87
EX4S69+A_S69	10YR-1HR	0.04	-0.37	0.00	-0.39	-1.44	-0.91
EX4S69_CH4_6+A	10YR-1HR	4.62	-0.10	-0.20	1.60	1.50	1.54
EX4S69_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX4S70_S51	10YR-1HR	1.67	0.00	0.00	2.43	3.50	2.96
EX4S71_S52	10YR-1HR	6.88	0.00	0.96	6.09	7.85	6.90
EX4S72_S53	10YR-1HR	1.55	0.00	0.03	3.44	4.89	4.17
EX4S73_S54	10YR-1HR	2.51	0.00	0.00	2.75	4.02	3.38
EX4S74_S54	10YR-1HR	1.89	0.00	-0.02	3.66	1.54	2.60
EX4S75_CH4_5+A	10YR-1HR	3.40	0.00	0.05	4.46	19.17	11.82
EX4S76_CH4_6+B	10YR-1HR	3.40	0.00	0.05	4.46	20.83	12.65
EX4S78_S77	10YR-1HR	1.83	0.00	0.02	3.62	10.02	6.82
EX4S79_S90	10YR-1HR	3.07	0.00	-0.05	4.30	4.74	4.52
EX4S80A_S82	10YR-1HR	3.71	0.00	0.77	4.62	3.71	4.16
EX4S80_S80A	10YR-1HR	3.18	0.00	0.14	3.40	3.43	2.99
EX4S81_S90	10YR-1HR	2.37	0.00	0.02	3.94	7.18	5.56
EX4S82_PND401	10YR-1HR	11.41	0.00	0.02	3.58	5.03	4.31
EX4S83_PND401	10YR-1HR	2.64	0.00	0.02	4.08	7.40	5.74
EX4S84_S82	10YR-1HR	11.42	0.00	-0.15	9.31	9.59	9.45
EX4S85_4+A	10YR-1HR	3.28	-1.88	-0.60	2.67	-3.66	-2.77
EX4S86_4+A	10YR-1HR	3.68	-0.90	2.94	4.12	7.07	5.59
EX4S86_S90	10YR-1HR	2.22	0.00	0.00	1.49	1.49	1.49

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S87_4+A	10YR-1HR	3.45	0.00	-0.53	4.16	7.51	5.83
EX4S91_O02	10YR-1HR	30.44	0.00	3.26	3.10	3.10	3.10
EX4S91_WEIR1	10YR-1HR	29.64	0.00	-0.10	2.16	2.16	2.16
EX4S91_WEIR2	10YR-1HR	0.80	0.00	0.00	4.68	4.68	4.68
EX4S92_S96	10YR-1HR	5.38	0.00	-1.48	3.94	5.46	4.70
EX4S93_S95	10YR-1HR	1.42	0.00	0.05	2.72	2.66	2.56
EX4S94_S92	10YR-1HR	2.34	0.00	0.09	3.09	2.83	2.84
EX4S95_S91	10YR-1HR	30.38	-0.06	-5.58	2.42	2.42	2.42
EX4S96_S95	10YR-1HR	28.47	0.00	1.04	2.32	2.27	2.30
EX4S97_S98	10YR-1HR	2.22	0.00	-0.49	3.85	3.77	3.55
EX4S98_S96	10YR-1HR	23.71	0.00	-0.19	2.63	2.55	2.59
EX4S99_S98	10YR-1HR	19.35	0.00	0.09	2.45	2.15	2.30
EX5S01_5GW1	10YR-1HR	2.82	0.00	0.00	0.00	0.00	0.00
EX5S01_S05	10YR-1HR	1.64	-0.01	-0.01	0.59	0.61	0.60
EX5S01_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX5S02_S01	10YR-1HR	1.51	0.00	0.03	2.72	12.00	7.28
EX5S03_S04	10YR-1HR	3.05	0.00	-2.82	2.98	11.05	6.75
EX5S04_5GW5	10YR-1HR	5.36	0.00	0.00	0.00	0.00	0.00
EX5S04_S08	10YR-1HR	2.18	-2.65	-0.08	0.93	-1.55	-1.01
EX5S04_WEIR	10YR-1HR	0.00	-4.90	0.00	0.00	0.00	0.00
EX5S05_5GW1	10YR-1HR	2.83	0.00	0.00	0.00	0.00	0.00
EX5S05_5GW2	10YR-1HR	2.83	0.00	0.00	0.00	0.00	0.00
EX5S05_S09	10YR-1HR	4.49	0.00	-0.01	1.50	1.80	1.63
EX5S06_S05	10YR-1HR	2.59	0.00	0.03	2.78	13.89	8.34
EX5S07_S08	10YR-1HR	3.05	0.00	1.76	3.02	12.77	7.73
EX5S08_5GW5	10YR-1HR	5.30	0.00	0.00	0.00	0.00	0.00
EX5S08_5GW6	10YR-1HR	5.30	0.00	0.00	0.00	0.00	0.00
EX5S08_S12	10YR-1HR	7.12	0.00	0.01	2.27	2.90	2.35
EX5S09_5GW2	10YR-1HR	2.94	0.00	0.00	0.00	0.00	0.00
EX5S09_5GW3	10YR-1HR	2.35	0.00	0.00	0.00	0.00	0.00
EX5S09_S15	10YR-1HR	6.68	0.00	0.00	2.12	2.45	2.22
EX5S10_S09	10YR-1HR	2.59	0.00	0.03	2.76	13.51	8.13
EX5S11_S12	10YR-1HR	2.98	0.00	2.11	2.98	11.29	6.89
EX5S12_5GW6	10YR-1HR	5.62	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX5S13_S14	10YR-1HR	2.37	0.00	0.00	2.57	10.76	6.66
EX5S14_S12	10YR-1HR	9.88	0.00	-0.05	2.49	2.37	2.43
EX5S15_5GW3	10YR-1HR	2.59	0.00	0.00	0.00	0.00	0.00
EX5S15_5GW4	10YR-1HR	3.24	0.00	0.00	0.00	0.00	0.00
EX5S16_S15	10YR-1HR	3.93	0.00	0.05	3.05	15.72	9.39
EX5S17_S18	10YR-1HR	1.78	0.00	0.03	2.58	12.04	7.30
EX5S18_5GW7	10YR-1HR	3.83	0.00	0.00	0.00	0.00	0.00
EX5S18_S14	10YR-1HR	7.72	-0.04	0.01	2.25	2.22	2.23
EX5S19_CH5_1+A	10YR-1HR	13.40	0.00	0.11	4.28	23.28	13.66
EX5S21_5GW4	10YR-1HR	3.72	0.00	0.00	0.00	0.00	0.00
EX5S21_S15	10YR-1HR	7.98	0.00	0.00	2.54	2.54	2.54
EX5S22A_S19	10YR-1HR	12.17	0.00	0.00	3.87	3.89	3.88
EX5S22_S21	10YR-1HR	10.63	0.00	0.01	3.70	16.45	10.07
EX5S23_S22A	10YR-1HR	10.95	0.00	0.00	3.49	3.49	3.49
EX5S24A_S23	10YR-1HR	9.88	0.00	0.00	3.15	3.15	3.15
EX5S24_S22	10YR-1HR	8.17	0.00	-0.02	3.27	2.84	3.05
EX5S25_S24A	10YR-1HR	8.76	0.00	0.00	2.79	2.79	2.79
EX5S26_S25	10YR-1HR	7.65	0.00	0.00	4.33	4.33	4.33
EX5S27_S24	10YR-1HR	5.50	0.00	0.02	3.24	3.12	3.18
EX5S28_S29	10YR-1HR	5.10	0.00	0.00	3.18	11.38	7.15
EX5S29_S26	10YR-1HR	6.78	0.00	-0.01	3.84	3.84	3.84
EX5S30_S28	10YR-1HR	4.93	0.00	-0.06	2.90	3.07	2.99
EX5S31_S27	10YR-1HR	2.83	0.00	0.01	2.44	1.67	2.01
EX5S32_S30	10YR-1HR	3.30	0.00	0.01	2.53	2.67	2.24
EX5S33_S31	10YR-1HR	0.96	0.00	-0.01	1.87	0.85	1.35
CH4_1+SEC1	10YR-24HR	0.84	0.00	0.00	0.52	0.32	0.38
CH4_1+SEC2	10YR-24HR	0.83	0.00	0.00	0.66	0.52	0.58
CH4_1+SEC3	10YR-24HR	0.83	0.00	0.00	0.71	0.68	0.69
CH4_1+SEC4	10YR-24HR	0.83	0.00	0.00	0.56	0.70	0.63
CH4_1+SEC5	10YR-24HR	0.84	0.00	0.00	0.65	0.57	0.61
CH4_1+SEC6	10YR-24HR	0.84	0.00	0.00	0.72	0.66	0.68
CH4_1+SEC7	10YR-24HR	0.45	0.00	0.00	0.66	1.98	1.32
CH4_2+SEC1	10YR-24HR	11.35	0.00	-0.01	1.00	0.84	0.92
CH4_2+SEC2	10YR-24HR	0.72	-0.04	-0.01	0.34	0.35	0.35
CH4_2+SEC3	10YR-24HR	1.44	0.00	0.00	0.66	1.75	1.07
CH4_3+SEC1	10YR-24HR	0.44	0.00	0.00	1.60	1.46	1.10
CH4_3+SEC2	10YR-24HR	0.22	-0.62	-0.03	0.11	0.09	0.10
CH4_3+SEC4	10YR-24HR	0.00	-1.80	0.02	-1.61	-2.61	-2.10
CH4_3+SEC5	10YR-24HR	0.02	-1.42	0.00	-0.60	-1.57	-1.08
CH4_4+SEC1	10YR-24HR	9.59	0.00	-0.02	0.56	0.55	0.55
CH4_4+SEC2	10YR-24HR	0.44	0.00	0.03	1.56	0.37	0.81
CH4_5+SEC1	10YR-24HR	0.56	0.00	0.04	2.11	1.54	1.32

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CH4_5+SEC2	10YR-24HR	6.75	0.00	0.00	0.89	1.19	1.04
CH4_6+SEC1	10YR-24HR	1.82	0.00	-0.02	0.17	0.16	0.17
CH4_6+SEC2	10YR-24HR	0.56	0.00	0.00	1.80	1.64	1.25
CH4_6+SEC4	10YR-24HR	0.68	0.00	0.00	0.48	1.54	0.94
CH4_7+SEC1	10YR-24HR	0.38	0.00	0.00	0.17	0.30	0.21
CH4_7+SEC2	10YR-24HR	0.92	0.00	0.00	0.41	1.83	1.11
CH4_8+SEC1	10YR-24HR	0.00	-2.50	0.11	-0.33	-2.47	-1.40
CH4_9+SEC1	10YR-24HR	0.00	-1.50	0.01	-0.13	-1.35	-0.72
CH5_1+A_5GW7	10YR-24HR	0.82	0.00	0.00	0.00	0.00	0.00
CH5_1+A_S18	10YR-24HR	1.72	-0.02	0.08	0.55	0.55	0.55
CH5_1+SEC1	10YR-24HR	0.16	0.00	0.00	0.34	0.00	0.17
CH5_1+SEC2	10YR-24HR	0.12	0.00	0.00	0.44	0.25	0.35
CH5_1+SEC3	10YR-24HR	0.08	0.00	0.00	0.31	0.30	0.31
CH5_1+SEC4	10YR-24HR	0.05	0.00	0.00	0.00	0.18	0.09
CH5_1+SEC5	10YR-24HR	0.02	0.00	0.00	0.10	0.00	0.05
EX4S02_S03	10YR-24HR	0.32	0.00	0.03	2.07	1.99	1.92
EX4S03_O01	10YR-24HR	29.90	-0.53	-10.51	1.19	1.19	1.19
EX4S03_WEIR1	10YR-24HR	27.26	0.00	0.45	2.49	2.49	2.49
EX4S03_WEIR2	10YR-24HR	2.60	0.00	0.00	0.87	0.87	0.87
EX4S04_S05	10YR-24HR	0.35	0.00	0.00	2.26	2.67	2.43
EX4S05_S06	10YR-24HR	0.78	0.00	0.03	2.50	3.08	2.79
EX4S06_S03	10YR-24HR	29.45	0.00	1.54	1.14	1.07	1.11
EX4S07_S10	10YR-24HR	0.53	0.00	0.00	2.53	3.15	2.84
EX4S08_S06	10YR-24HR	27.51	0.00	-1.31	1.16	1.07	1.11
EX4S09_S08	10YR-24HR	25.75	0.00	-0.93	1.51	1.32	1.41
EX4S101_4S99	10YR-24HR	4.53	0.00	0.01	2.58	3.44	3.01
EX4S102_S103	10YR-24HR	0.38	0.00	0.00	2.32	4.21	3.27
EX4S104_S103	10YR-24HR	0.45	0.00	0.02	2.37	1.17	1.77
EX4S105_4S99	10YR-24HR	1.38	0.00	0.04	2.76	5.48	4.12
EX4S106_SWL4W1	10YR-24HR	0.54	0.00	0.00	2.55	0.00	1.28
EX4S107_SWL4W1	10YR-24HR	0.51	0.00	0.00	2.51	0.00	1.25
EX4S108_S106	10YR-24HR	0.28	0.00	0.00	1.56	1.07	1.32
EX4S109_S107	10YR-24HR	0.26	0.00	0.00	1.94	1.06	1.50
EX4S10_S08	10YR-24HR	0.90	-0.01	0.03	2.52	2.41	2.47
EX4S11_S12	10YR-24HR	24.53	0.00	-0.07	13.88	14.23	14.05

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S12_S09	10YR-24HR	20.98	0.00	0.02	3.09	4.35	3.72
EX4S14_S12	10YR-24HR	24.17	0.00	-0.78	13.68	14.05	13.86
EX4S15_CH4_3+A	10YR-24HR	0.44	0.00	0.00	2.41	0.00	1.20
EX4S16_S12	10YR-24HR	0.16	0.00	0.00	1.84	0.00	0.92
EX4S17_S12	10YR-24HR	0.54	0.00	0.00	2.54	4.65	3.60
EX4S18_S12	10YR-24HR	0.26	0.00	0.00	2.09	5.12	3.60
EX4S19_S12	10YR-24HR	0.49	0.00	0.00	2.48	7.96	5.22
EX4S20_CH4_4+B	10YR-24HR	0.44	0.00	0.00	2.41	0.00	1.20
EX4S21_S26	10YR-24HR	0.25	0.00	0.00	2.07	1.02	1.55
EX4S22_S27	10YR-24HR	0.19	0.00	0.00	1.92	0.41	1.17
EX4S23_S28	10YR-24HR	0.19	0.00	0.00	1.92	0.74	1.33
EX4S24_S31	10YR-24HR	0.31	0.00	0.00	1.43	0.78	1.09
EX4S25_S33	10YR-24HR	0.38	0.00	0.00	1.76	1.37	1.37
EX4S26_SWL4E1	10YR-24HR	0.51	0.00	0.00	2.51	0.00	1.25
EX4S27_SWL4E1	10YR-24HR	0.45	0.00	0.00	2.42	0.00	1.21
EX4S28_SWL4E1	10YR-24HR	0.54	0.00	0.00	2.54	0.00	1.27
EX4S29_SWL4E1	10YR-24HR	2.41	0.00	0.00	2.30	3.52	2.91
EX4S30_S29	10YR-24HR	1.91	0.00	0.00	1.89	2.93	2.36
EX4S31_S30	10YR-24HR	1.69	0.00	0.00	3.12	1.67	2.39
EX4S32_S33	10YR-24HR	0.57	-0.01	-0.02	2.48	2.46	2.41
EX4S33_S31	10YR-24HR	0.96	0.00	0.00	1.81	1.77	1.79
EX4S34_S09	10YR-24HR	4.76	0.00	0.08	3.23	4.60	3.91
EX4S35_CH4_3+B	10YR-24HR	0.06	-1.04	0.03	-0.47	-0.57	-0.52
EX4S36_CH4_4+A	10YR-24HR	7.21	0.00	-0.01	1.67	1.40	1.54
EX4S37_S38	10YR-24HR	2.12	0.00	0.00	1.31	1.28	1.30
EX4S38_S39	10YR-24HR	2.31	0.00	0.00	1.39	1.37	1.38
EX4S39_S40	10YR-24HR	2.99	0.00	0.00	1.51	1.50	1.51
EX4S40_S41	10YR-24HR	3.14	0.00	0.00	1.57	1.57	1.57
EX4S41_S42	10YR-24HR	3.22	0.00	0.00	1.61	1.51	1.56
EX4S42_S43A	10YR-24HR	3.81	0.00	0.00	2.02	3.33	2.52
EX4S43A_4GW1	10YR-24HR	1.61	0.00	1.61	0.00	0.00	0.00
EX4S43A_S43	10YR-24HR	2.48	0.00	0.01	0.98	2.74	1.82
EX4S43_4GW1	10YR-24HR	1.43	0.00	1.43	0.00	0.00	0.00
EX4S43_4GW2	10YR-24HR	1.61	0.00	1.61	0.00	0.00	0.00
EX4S43_S44	10YR-24HR	0.82	-0.35	0.01	0.57	2.01	1.29
EX4S44_4GW	10YR-24HR	2.39	0.00	-2.15	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
2							
EX4S44_4GW3	10YR-24HR	1.01	0.00	-0.91	0.00	0.00	0.00
EX4S44_S45	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX4S45_4GW3	10YR-24HR	0.79	0.00	-0.79	0.00	0.00	0.00
EX4S45_4GW4	10YR-24HR	4.54	0.00	-4.54	0.00	0.00	0.00
EX4S45_S46A	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX4S46A_4GW4	10YR-24HR	4.52	0.00	4.52	0.00	0.00	0.00
EX4S47_S36	10YR-24HR	0.14	0.00	0.01	1.79	1.91	1.85
EX4S48_CH4_4+A	10YR-24HR	0.15	0.00	0.00	1.82	1.88	1.85
EX4S49_S13	10YR-24HR	10.35	0.00	-0.05	1.37	1.68	1.36
EX4S50_S50A	10YR-24HR	0.76	-0.01	-0.03	1.77	1.77	1.69
EX4S51_S51A	10YR-24HR	0.74	-0.01	-0.01	1.96	2.69	2.32
EX4S52_4GW5	10YR-24HR	3.46	0.00	3.46	0.00	0.00	0.00
EX4S52_S51	10YR-24HR	0.00	-0.56	0.00	-0.57	-2.49	-1.53
EX4S53_4GW5	10YR-24HR	3.90	0.00	3.90	0.00	0.00	0.00
EX4S53_S52	10YR-24HR	0.00	-0.38	0.01	-0.22	-0.62	-0.31
EX4S54_S53	10YR-24HR	2.16	0.00	-0.01	3.08	3.35	2.92
EX4S55_S54	10YR-24HR	0.29	0.00	0.00	1.51	0.50	1.01
EX4S56_S55	10YR-24HR	0.19	0.00	0.00	1.43	0.97	1.20
EX4S57_S37	10YR-24HR	1.85	0.00	0.00	2.15	3.45	2.79
EX4S58_S39	10YR-24HR	0.43	0.00	0.00	2.39	2.81	2.60
EX4S59_S42	10YR-24HR	0.24	0.00	-0.01	2.04	2.42	2.23
EX4S60_S43	10YR-24HR	0.27	0.00	-0.01	2.12	2.95	2.54
EX4S61_S45	10YR-24HR	0.57	0.00	-0.01	2.59	3.53	3.06
EX4S63_CH4_5+B	10YR-24HR	6.19	0.00	0.00	2.85	2.56	2.70
EX4S64_S36	10YR-24HR	7.29	0.00	0.01	2.46	3.48	2.97
EX4S65_S64	10YR-24HR	0.06	-0.07	0.01	0.35	-1.32	-0.78
EX4S66_S67	10YR-24HR	0.09	0.00	0.00	1.39	1.51	1.45
EX4S67_CH4_4+A	10YR-24HR	2.30	0.00	-0.01	0.71	1.52	1.06
EX4S69+A_S69	10YR-24HR	0.01	-0.01	0.00	0.03	-0.01	0.02
EX4S69_CH4_6+A	10YR-24HR	1.33	0.00	-0.11	0.88	0.65	0.76
EX4S69_WEIR	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX4S70_S51	10YR-24HR	0.54	0.00	0.00	1.76	2.55	2.16
EX4S71_S52	10YR-24HR	1.82	0.00	-0.03	3.61	5.12	4.37
EX4S72_S53	10YR-24HR	0.75	0.00	-0.02	2.79	3.98	3.38

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S73_S54	10YR-24HR	0.64	0.00	0.00	1.89	2.65	2.27
EX4S74_S54	10YR-24HR	0.60	0.00	-0.02	2.64	1.15	1.89
EX4S75_CH4_5+A	10YR-24HR	0.56	0.00	0.00	2.58	11.20	6.89
EX4S76_CH4_6+B	10YR-24HR	0.56	0.00	0.00	2.58	0.00	1.29
EX4S78_S77	10YR-24HR	0.30	0.00	0.00	2.18	5.85	4.02
EX4S79_S90	10YR-24HR	0.51	0.00	0.04	2.51	2.88	2.69
EX4S80A_S82	10YR-24HR	0.53	0.00	0.04	2.53	0.99	1.76
EX4S80_S80A	10YR-24HR	0.53	0.00	0.04	1.97	0.92	1.20
EX4S81_S90	10YR-24HR	0.75	0.00	-0.66	2.34	4.24	3.29
EX4S82_PND401	10YR-24HR	2.41	-0.93	0.06	2.34	3.27	2.79
EX4S83_PND401	10YR-24HR	0.62	0.00	-0.58	2.41	4.38	3.39
EX4S84_S82	10YR-24HR	2.47	0.00	-1.94	3.44	5.30	4.37
EX4S85_4+A	10YR-24HR	0.58	-1.88	-0.21	-1.88	-3.66	-2.77
EX4S86_4+A	10YR-24HR	0.34	-0.90	0.06	-1.73	-2.94	-2.34
EX4S86_S90	10YR-24HR	0.29	-0.94	0.00	-1.16	-1.16	-1.16
EX4S87_4+A	10YR-24HR	0.57	0.00	-0.03	2.11	3.25	2.55
EX4S91_O02	10YR-24HR	8.57	0.00	-3.48	0.87	0.87	0.87
EX4S91_WEIR1	10YR-24HR	7.85	0.00	0.17	1.38	1.38	1.38
EX4S91_WEIR2	10YR-24HR	0.70	0.00	0.00	4.12	4.12	4.12
EX4S92_S96	10YR-24HR	0.90	0.00	0.04	2.20	3.06	2.63
EX4S93_S95	10YR-24HR	0.25	0.00	0.04	1.43	0.83	0.88
EX4S94_S92	10YR-24HR	0.39	0.00	0.02	2.00	1.70	1.69
EX4S95_S91	10YR-24HR	9.22	-0.05	6.17	0.76	0.76	0.76
EX4S96_S95	10YR-24HR	8.13	0.00	1.23	0.75	0.66	0.71
EX4S97_S98	10YR-24HR	0.30	0.00	0.01	1.86	2.18	2.01
EX4S98_S96	10YR-24HR	7.14	0.00	0.40	0.99	0.90	0.95
EX4S99_S98	10YR-24HR	6.06	0.00	-0.19	1.12	0.84	0.98
EX5S01_5GW1	10YR-24HR	0.58	0.00	0.00	0.00	0.00	0.00
EX5S01_S05	10YR-24HR	0.25	-1.22	0.04	-0.49	-0.50	-0.49
EX5S01_WEIR	10YR-24HR	0.00	-1.49	0.00	0.00	0.00	0.00
EX5S02_S01	10YR-24HR	0.25	0.00	0.05	2.72	0.80	1.64
EX5S03_S04	10YR-24HR	0.25	0.00	0.02	2.37	0.78	1.53
EX5S04_5GW5	10YR-24HR	1.24	0.00	0.00	0.00	0.00	0.00
EX5S04_S08	10YR-24HR	0.16	-1.13	0.06	-0.41	-0.41	-0.41
EX5S04_WEIR	10YR-24HR	0.00	-1.32	0.00	0.00	0.00	0.00
EX5S05_5GW1	10YR-24HR	0.59	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX5S05_5GW2	10YR-24HR	0.59	0.00	0.00	0.00	0.00	0.00
EX5S05_S09	10YR-24HR	0.82	-0.69	-0.06	0.31	0.31	0.31
EX5S06_S05	10YR-24HR	0.43	0.00	-0.03	2.62	0.93	1.59
EX5S07_S08	10YR-24HR	0.43	0.00	0.02	2.24	0.91	1.48
EX5S08_5GW5	10YR-24HR	1.23	0.00	0.00	0.00	0.00	0.00
EX5S08_5GW6	10YR-24HR	1.23	0.00	0.00	0.00	0.00	0.00
EX5S08_S12	10YR-24HR	0.91	-0.25	0.08	0.47	0.76	0.53
EX5S09_5GW2	10YR-24HR	0.59	0.00	0.00	0.00	0.00	0.00
EX5S09_5GW3	10YR-24HR	0.47	0.00	0.00	0.00	0.00	0.00
EX5S09_S15	10YR-24HR	1.29	-0.30	0.05	0.48	0.48	0.48
EX5S10_S09	10YR-24HR	0.43	0.00	-0.02	2.45	0.94	1.55
EX5S11_S12	10YR-24HR	0.32	0.00	-0.02	2.13	0.86	1.42
EX5S12_5GW6	10YR-24HR	1.24	0.00	0.00	0.00	0.00	0.00
EX5S13_S14	10YR-24HR	0.39	0.00	0.00	1.81	6.27	4.04
EX5S14_S12	10YR-24HR	1.72	-0.03	-0.14	0.99	0.54	0.76
EX5S15_5GW3	10YR-24HR	0.49	0.00	0.00	0.00	0.00	0.00
EX5S15_5GW4	10YR-24HR	0.61	0.00	0.00	0.00	0.00	0.00
EX5S16_S15	10YR-24HR	0.65	0.00	0.03	2.62	9.15	5.72
EX5S17_S18	10YR-24HR	0.29	0.00	0.03	2.48	0.00	1.24
EX5S18_5GW7	10YR-24HR	0.81	0.00	0.00	0.00	0.00	0.00
EX5S18_S14	10YR-24HR	1.34	-0.04	0.09	1.07	0.66	0.86
EX5S19_CH5_1+A	10YR-24HR	2.35	0.00	-0.08	3.38	10.72	6.65
EX5S21_5GW4	10YR-24HR	0.63	0.00	0.00	0.00	0.00	0.00
EX5S21_S15	10YR-24HR	1.59	-0.06	-0.04	0.58	0.62	0.59
EX5S22A_S19	10YR-24HR	2.14	0.00	0.00	2.11	2.55	2.33
EX5S22_S21	10YR-24HR	1.77	0.00	0.01	2.33	9.69	6.01
EX5S23_S22A	10YR-24HR	1.93	0.00	0.00	2.08	1.90	1.99
EX5S24A_S23	10YR-24HR	1.74	0.00	0.00	1.75	1.88	1.81
EX5S24_S22	10YR-24HR	1.36	0.00	-0.01	1.97	1.79	1.88
EX5S25_S24A	10YR-24HR	1.54	0.00	-0.01	1.84	1.55	1.69
EX5S26_S25	10YR-24HR	1.35	0.00	0.00	2.06	1.93	1.99
EX5S27_S24	10YR-24HR	0.92	0.00	-0.02	1.86	1.59	1.72
EX5S28_S29	10YR-24HR	0.89	0.00	0.00	2.02	7.29	4.65
EX5S29_S26	10YR-24HR	1.19	0.00	-0.01	2.02	1.83	1.92
EX5S30_S28	10YR-24HR	0.86	0.00	0.00	1.83	1.94	1.88
EX5S31_S27	10YR-24HR	0.47	0.00	-0.01	1.56	0.96	1.26

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX5S32_S30	10YR-24HR	0.57	0.00	0.01	1.64	1.56	1.43
EX5S33_S31	10YR-24HR	0.16	0.00	0.01	1.43	0.62	1.02
CH4_1+SEC1	10YR-8HR	3.10	0.00	0.01	0.69	0.40	0.54
CH4_1+SEC2	10YR-8HR	2.67	0.00	0.00	0.95	0.99	0.77
CH4_1+SEC3	10YR-8HR	2.68	0.00	0.00	1.03	1.00	0.99
CH4_1+SEC4	10YR-8HR	2.66	0.00	0.00	0.80	1.02	0.91
CH4_1+SEC5	10YR-8HR	2.70	0.00	0.00	0.92	1.31	0.87
CH4_1+SEC6	10YR-8HR	2.69	0.00	0.00	1.03	1.12	0.97
CH4_1+SEC7	10YR-8HR	1.46	0.00	0.00	0.92	2.20	1.47
CH4_2+SEC1	10YR-8HR	27.04	0.00	0.01	1.25	1.06	1.15
CH4_2+SEC2	10YR-8HR	1.52	-0.15	0.13	0.35	-0.48	-0.35
CH4_2+SEC3	10YR-8HR	3.68	0.00	-0.04	0.86	2.15	1.36
CH4_3+SEC1	10YR-8HR	1.57	0.00	0.10	2.52	1.82	1.38
CH4_3+SEC2	10YR-8HR	0.39	-5.75	-0.02	-0.30	-0.31	-0.30
CH4_3+SEC4	10YR-8HR	0.00	-9.22	-0.03	-2.57	-3.58	-3.02
CH4_3+SEC5	10YR-8HR	0.05	-8.07	0.01	-1.10	-2.55	-1.82
CH4_4+SEC1	10YR-8HR	23.92	0.00	-0.06	0.80	0.83	0.81
CH4_4+SEC2	10YR-8HR	1.41	0.00	0.09	2.17	0.98	1.13
CH4_5+SEC1	10YR-8HR	1.81	0.00	-0.03	2.59	1.97	1.69
CH4_5+SEC2	10YR-8HR	20.26	0.00	-0.01	1.30	1.55	1.42
CH4_6+SEC1	10YR-8HR	5.20	0.00	-0.08	0.25	0.26	0.25
CH4_6+SEC2	10YR-8HR	1.81	0.00	-0.17	2.76	1.92	1.52
CH4_6+SEC4	10YR-8HR	2.11	0.00	-0.01	0.68	1.93	1.20
CH4_7+SEC1	10YR-8HR	1.55	-0.17	0.02	0.23	0.57	0.36
CH4_7+SEC2	10YR-8HR	2.91	0.00	-0.01	0.58	2.24	1.40
CH4_8+SEC1	10YR-8HR	0.00	-3.36	0.02	-0.33	-2.47	-1.40
CH4_9+SEC1	10YR-8HR	0.02	-0.27	0.01	0.09	-1.26	-0.67
CH5_1+A_5GW7	10YR-8HR	2.64	0.00	0.00	0.00	0.00	0.00
CH5_1+A_S18	10YR-8HR	5.43	0.00	0.00	1.73	1.73	1.73
CH5_1+SEC1	10YR-8HR	0.45	0.00	0.00	0.51	0.00	0.26
CH5_1+SEC2	10YR-8HR	0.34	0.00	0.00	0.65	0.38	0.52
CH5_1+SEC3	10YR-8HR	0.23	0.00	0.00	0.47	0.45	0.46
CH5_1+SEC4	10YR-8HR	0.14	0.00	0.00	0.45	0.28	0.37
CH5_1+SEC5	10YR-8HR	0.07	0.00	0.00	0.16	0.23	0.19
EX4S02_S03	10YR-8HR	1.02	0.00	0.05	2.75	2.50	2.39
EX4S03_O01	10YR-8HR	79.37	-0.47	-10.40	3.16	3.16	3.16
EX4S03_WEIR1	10YR-8HR	46.21	0.00	0.52	3.03	3.03	3.03
EX4S03_WEIR2	10YR-8HR	33.16	0.00	0.02	2.02	2.02	2.02
EX4S04_S05	10YR-8HR	1.25	0.00	0.18	3.23	3.61	3.24
EX4S05_S06	10YR-8HR	2.49	0.00	0.18	3.73	3.25	3.36
EX4S06_S03	10YR-8HR	78.04	-0.07	-1.20	2.81	2.76	2.78
EX4S07_S10	10YR-8HR	1.69	0.00	-0.02	3.54	4.39	3.96
EX4S08_S06	10YR-8HR	72.51	0.00	-1.08	2.71	2.61	2.66

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S09_S08	10YR-8HR	67.55	0.00	0.57	3.21	3.03	3.12
EX4S101_4S99	10YR-8HR	13.72	0.00	-0.02	3.45	4.81	4.13
EX4S102_S103	10YR-8HR	1.23	0.00	-0.02	2.95	5.44	4.20
EX4S104_S103	10YR-8HR	1.46	0.00	0.03	3.01	2.17	2.59
EX4S105_4S99	10YR-8HR	4.20	0.00	-0.04	3.83	7.85	5.84
EX4S106_SWL4W1	10YR-8HR	1.75	0.00	-0.02	3.57	17.67	10.62
EX4S107_SWL4W1	10YR-8HR	1.64	0.00	-0.02	3.50	17.39	10.45
EX4S108_S106	10YR-8HR	0.89	0.00	0.00	1.84	1.46	1.65
EX4S109_S107	10YR-8HR	0.83	0.00	0.00	2.26	1.43	1.84
EX4S10_S08	10YR-8HR	3.35	-0.01	-0.78	3.97	3.22	3.59
EX4S11_S12	10YR-8HR	24.53	-0.02	-0.07	13.88	14.23	14.05
EX4S12_S09	10YR-8HR	53.38	0.00	0.07	4.10	5.81	4.95
EX4S14_S12	10YR-8HR	24.17	0.00	-0.78	13.68	14.05	13.86
EX4S15_CH4_3+A	10YR-8HR	1.41	0.00	0.02	3.34	15.64	9.49
EX4S16_S12	10YR-8HR	0.52	0.00	0.00	2.52	4.60	3.56
EX4S17_S12	10YR-8HR	1.72	0.00	-0.04	3.55	6.54	5.05
EX4S18_S12	10YR-8HR	0.83	0.00	-0.02	2.87	7.27	5.07
EX4S19_S12	10YR-8HR	1.58	0.00	-0.02	3.46	11.28	7.37
EX4S20_CH4_4+B	10YR-8HR	1.41	0.00	0.02	3.34	15.92	9.63
EX4S21_S26	10YR-8HR	0.80	0.00	-0.02	2.84	1.38	2.11
EX4S22_S27	10YR-8HR	0.60	0.00	0.02	2.64	0.77	1.70
EX4S23_S28	10YR-8HR	0.60	0.00	-0.02	2.64	1.02	1.81
EX4S24_S31	10YR-8HR	1.00	0.00	0.00	1.68	1.09	1.37
EX4S25_S33	10YR-8HR	1.23	0.00	0.00	2.15	1.88	1.86
EX4S26_SWL4E1	10YR-8HR	1.64	0.00	-0.02	3.50	16.63	10.07
EX4S27_SWL4E1	10YR-8HR	1.43	0.00	0.02	3.36	16.18	9.77
EX4S28_SWL4E1	10YR-8HR	1.72	0.00	-0.02	3.55	16.36	9.96
EX4S29_SWL4E1	10YR-8HR	7.57	0.00	-0.01	3.32	4.95	4.14
EX4S30_S29	10YR-8HR	5.98	0.00	0.00	2.68	3.16	2.92
EX4S31_S30	10YR-8HR	5.27	0.00	0.00	3.56	2.36	2.96
EX4S32_S33	10YR-8HR	1.71	-0.04	-0.02	2.48	2.46	2.41
EX4S33_S31	10YR-8HR	2.93	0.00	0.00	2.17	1.98	2.08
EX4S34_S09	10YR-8HR	14.08	0.00	-0.21	4.51	6.49	5.50

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S35_CH4_3+B	10YR-8HR	0.04	-7.04	-0.01	-1.71	-1.95	-1.83
EX4S36_CH4_4+A	10YR-8HR	17.56	0.00	-0.03	2.23	2.10	2.16
EX4S37_S38	10YR-8HR	6.37	0.00	0.00	2.03	2.03	2.03
EX4S38_S39	10YR-8HR	6.98	0.00	0.00	2.22	2.22	2.22
EX4S39_S40	10YR-8HR	9.09	0.00	-0.01	2.04	2.07	2.06
EX4S40_S41	10YR-8HR	9.52	0.00	0.00	2.16	2.21	2.18
EX4S41_S42	10YR-8HR	9.75	0.00	-0.01	2.26	2.24	2.25
EX4S42_S43A	10YR-8HR	11.57	0.00	0.01	2.78	4.17	3.23
EX4S43A_4GW1	10YR-8HR	3.16	0.00	1.90	0.00	0.00	0.00
EX4S43A_S43	10YR-8HR	8.37	0.00	0.02	1.57	3.66	2.49
EX4S43_4GW1	10YR-8HR	2.84	0.00	1.90	0.00	0.00	0.00
EX4S43_4GW2	10YR-8HR	3.21	0.00	2.15	0.00	0.00	0.00
EX4S43_S44	10YR-8HR	4.55	-0.35	0.01	1.14	2.76	1.82
EX4S44_4GW2	10YR-8HR	2.98	0.00	2.15	0.00	0.00	0.00
EX4S44_4GW3	10YR-8HR	1.26	0.00	0.91	0.00	0.00	0.00
EX4S44_S45	10YR-8HR	2.74	0.00	0.01	1.24	3.07	2.15
EX4S45_4GW3	10YR-8HR	1.17	0.00	1.01	0.00	0.00	0.00
EX4S45_4GW4	10YR-8HR	6.67	0.00	5.78	0.00	0.00	0.00
EX4S45_S46A	10YR-8HR	0.00	-1.64	-0.01	-0.65	-2.44	-1.53
EX4S46A_4GW4	10YR-8HR	7.42	0.00	5.78	0.00	0.00	0.00
EX4S47_S36	10YR-8HR	0.57	0.00	0.09	2.76	2.68	2.70
EX4S48_CH4_4+A	10YR-8HR	0.52	0.00	0.02	2.50	2.64	2.55
EX4S49_S13	10YR-8HR	25.91	0.00	-0.09	1.74	2.20	1.87
EX4S50_S50A	10YR-8HR	2.43	-0.01	-0.02	2.37	2.26	2.29
EX4S51_S51A	10YR-8HR	1.57	-0.20	-0.06	1.96	2.69	2.32
EX4S52_4GW5	10YR-8HR	9.90	0.00	4.57	0.00	0.00	0.00
EX4S52_S51	10YR-8HR	0.00	-2.63	0.00	-1.53	-3.84	-2.68
EX4S53_4GW5	10YR-8HR	9.90	0.00	4.57	0.00	0.00	0.00
EX4S53_S52	10YR-8HR	0.00	-2.07	-0.03	-0.39	-0.75	-0.44
EX4S54_S53	10YR-8HR	6.36	0.00	-0.01	3.71	4.44	3.83
EX4S55_S54	10YR-8HR	0.97	0.00	0.00	1.51	0.70	1.05
EX4S56_S55	10YR-8HR	0.58	0.00	0.00	1.71	1.13	1.38
EX4S57_S37	10YR-8HR	5.51	0.00	0.00	3.12	3.54	3.12
EX4S58_S39	10YR-8HR	1.33	0.00	-0.02	3.29	3.91	3.60

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S59_S42	10YR-8HR	0.75	0.00	-0.02	2.79	3.39	3.09
EX4S60_S43	10YR-8HR	0.85	0.00	-0.02	2.89	4.12	3.50
EX4S61_S45	10YR-8HR	1.73	0.00	-0.03	3.56	4.84	4.20
EX4S63_CH4_5+B	10YR-8HR	18.54	0.00	-0.01	3.78	4.08	3.93
EX4S64_S36	10YR-8HR	21.77	0.00	-0.02	3.38	4.28	3.67
EX4S65_S64	10YR-8HR	0.17	-0.18	0.01	-0.49	-1.91	-1.20
EX4S66_S67	10YR-8HR	0.29	0.00	0.01	2.13	2.12	2.10
EX4S67_CH4_4+A	10YR-8HR	6.36	0.00	-0.02	0.90	1.65	1.19
EX4S69+A_S69	10YR-8HR	0.02	-0.04	0.00	0.07	-0.05	0.05
EX4S69_CH4_6+A	10YR-8HR	3.84	-0.02	0.22	1.06	0.79	0.92
EX4S69_WEIR	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX4S70_S51	10YR-8HR	1.62	0.00	0.00	2.39	3.25	2.74
EX4S71_S52	10YR-8HR	6.78	0.00	-1.05	6.12	7.85	6.90
EX4S72_S53	10YR-8HR	1.91	0.00	0.02	3.67	5.19	4.43
EX4S73_S54	10YR-8HR	1.97	0.00	0.00	2.57	3.68	3.13
EX4S74_S54	10YR-8HR	1.80	0.00	-0.02	3.60	1.46	2.53
EX4S75_CH4_5+A	10YR-8HR	1.81	0.00	0.02	3.61	15.91	9.76
EX4S76_CH4_6+B	10YR-8HR	1.81	0.00	0.02	3.61	17.28	10.44
EX4S78_S77	10YR-8HR	0.98	0.00	0.02	3.00	8.32	5.66
EX4S79_S90	10YR-8HR	1.64	0.00	0.02	3.50	4.02	3.76
EX4S80A_S82	10YR-8HR	2.22	0.00	0.31	3.86	2.22	3.04
EX4S80_S80A	10YR-8HR	1.78	0.00	0.03	3.07	1.45	2.22
EX4S81_S90	10YR-8HR	1.26	0.00	0.03	3.24	5.99	4.61
EX4S82_PND401	10YR-8HR	7.38	-0.06	-0.01	3.17	4.45	3.81
EX4S83_PND401	10YR-8HR	1.41	0.00	0.03	3.34	6.18	4.76
EX4S84_S82	10YR-8HR	6.08	0.00	0.19	4.96	5.82	5.38
EX4S85_4+A	10YR-8HR	1.78	-1.88	-0.29	-1.88	-3.66	-2.77
EX4S86_4+A	10YR-8HR	2.58	-0.90	-1.96	2.67	4.91	3.79
EX4S86_S90	10YR-8HR	1.25	0.00	0.00	1.26	1.26	1.26
EX4S87_4+A	10YR-8HR	2.12	0.00	0.53	3.71	6.79	5.25
EX4S91_O02	10YR-8HR	26.07	0.00	-3.28	2.66	2.66	2.66
EX4S91_WEIR1	10YR-8HR	25.28	0.00	-0.18	2.05	2.05	2.05
EX4S91_WEIR2	10YR-8HR	0.79	0.00	0.00	4.63	4.63	4.63
EX4S92_S96	10YR-8HR	3.35	0.00	-0.79	3.62	5.23	4.42
EX4S93_S95	10YR-8HR	0.77	0.00	0.16	1.92	1.72	1.69
EX4S94_S92	10YR-8HR	1.26	0.00	0.04	2.49	2.38	2.43

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S95_S91	10YR-8HR	26.04	-0.04	-5.77	2.07	2.07	2.07
EX4S96_S95	10YR-8HR	24.69	0.00	1.14	2.06	1.97	2.01
EX4S97_S98	10YR-8HR	0.97	0.00	0.07	2.88	2.78	2.68
EX4S98_S96	10YR-8HR	21.65	0.00	0.34	2.48	2.38	2.43
EX4S99_S98	10YR-8HR	18.34	0.00	-0.11	2.43	2.11	2.27
EX5S01_5GW1	10YR-8HR	1.77	0.00	0.00	0.00	0.00	0.00
EX5S01_S05	10YR-8HR	0.70	0.00	-0.01	0.42	0.43	0.43
EX5S01_WEIR	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX5S02_S01	10YR-8HR	0.80	0.00	0.03	2.72	9.93	6.15
EX5S03_S04	10YR-8HR	0.80	0.00	0.02	2.37	8.76	5.48
EX5S04_5GW5	10YR-8HR	3.83	0.00	0.00	0.00	0.00	0.00
EX5S04_S08	10YR-8HR	0.30	-2.63	0.00	-0.84	-1.80	-1.20
EX5S04_WEIR	10YR-8HR	0.00	-3.35	0.00	0.00	0.00	0.00
EX5S05_5GW1	10YR-8HR	1.78	0.00	0.00	0.00	0.00	0.00
EX5S05_5GW2	10YR-8HR	1.78	0.00	0.00	0.00	0.00	0.00
EX5S05_S09	10YR-8HR	2.38	0.00	0.00	1.14	1.41	1.26
EX5S06_S05	10YR-8HR	1.38	0.00	0.03	2.62	11.51	7.01
EX5S07_S08	10YR-8HR	1.38	0.00	0.02	2.41	10.22	6.28
EX5S08_5GW5	10YR-8HR	3.78	0.00	0.00	0.00	0.00	0.00
EX5S08_5GW6	10YR-8HR	3.78	0.00	0.00	0.00	0.00	0.00
EX5S08_S12	10YR-8HR	2.96	0.00	-0.01	1.18	2.12	1.56
EX5S09_5GW2	10YR-8HR	1.84	0.00	0.00	0.00	0.00	0.00
EX5S09_5GW3	10YR-8HR	1.47	0.00	0.00	0.00	0.00	0.00
EX5S09_S15	10YR-8HR	3.80	0.00	0.00	1.52	1.95	1.71
EX5S10_S09	10YR-8HR	1.38	0.00	0.02	2.46	11.19	6.83
EX5S11_S12	10YR-8HR	1.03	0.00	0.02	2.27	9.06	5.63
EX5S12_5GW6	10YR-8HR	3.84	0.00	0.00	0.00	0.00	0.00
EX5S13_S14	10YR-8HR	1.26	0.00	0.00	2.23	8.92	5.58
EX5S14_S12	10YR-8HR	5.43	0.00	0.00	1.84	1.53	1.68
EX5S15_5GW3	10YR-8HR	1.59	0.00	0.00	0.00	0.00	0.00
EX5S15_5GW4	10YR-8HR	1.99	0.00	0.00	0.00	0.00	0.00
EX5S16_S15	10YR-8HR	2.09	0.00	0.03	2.68	13.05	7.86
EX5S17_S18	10YR-8HR	0.95	0.00	0.03	2.48	9.97	6.15
EX5S18_5GW	10YR-8HR	2.52	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
7							
EX5S18_S14	10YR-8HR	4.16	0.00	0.00	1.60	1.38	1.49
EX5S19_CH5_1+A	10YR-8HR	7.56	0.00	0.06	3.46	20.24	11.85
EX5S21_5GW4	10YR-8HR	2.19	0.00	0.00	0.00	0.00	0.00
EX5S21_S15	10YR-8HR	4.83	0.00	0.00	1.71	2.00	1.83
EX5S22A_S19	10YR-8HR	6.88	0.00	0.00	2.83	3.15	2.99
EX5S22_S21	10YR-8HR	5.70	0.00	0.01	3.05	13.73	8.39
EX5S23_S22A	10YR-8HR	6.19	0.00	0.00	2.55	2.55	2.55
EX5S24A_S23	10YR-8HR	5.59	0.00	0.00	2.22	2.30	2.26
EX5S24_S22	10YR-8HR	4.39	0.00	-0.01	2.71	2.34	2.52
EX5S25_S24A	10YR-8HR	4.96	0.00	-0.01	2.06	1.97	2.01
EX5S26_S25	10YR-8HR	4.33	0.00	0.00	2.47	2.49	2.48
EX5S27_S24	10YR-8HR	2.95	0.00	-0.02	2.58	2.30	2.44
EX5S28_S29	10YR-8HR	2.87	0.00	0.00	2.65	10.30	6.48
EX5S29_S26	10YR-8HR	3.84	0.00	-0.01	2.81	2.19	2.50
EX5S30_S28	10YR-8HR	2.75	0.00	-0.05	2.42	2.55	2.48
EX5S31_S27	10YR-8HR	1.52	0.00	0.01	2.13	1.33	1.73
EX5S32_S30	10YR-8HR	1.84	0.00	0.01	2.25	1.94	1.93
EX5S33_S31	10YR-8HR	0.52	0.00	0.01	1.60	0.72	1.16
CH4_1+SEC1	25YR-72HR	7.01	-2.55	0.07	0.78	-0.76	0.65
CH4_1+SEC2	25YR-72HR	4.96	0.00	0.00	1.06	0.60	0.82
CH4_1+SEC3	25YR-72HR	4.75	0.00	0.00	1.26	0.98	1.12
CH4_1+SEC4	25YR-72HR	4.93	0.00	0.00	0.95	1.39	1.16
CH4_1+SEC5	25YR-72HR	5.41	0.00	0.00	1.10	1.32	1.09
CH4_1+SEC6	25YR-72HR	5.36	0.00	0.00	1.26	1.31	1.15
CH4_1+SEC7	25YR-72HR	2.92	0.00	0.00	1.14	2.32	1.55
CH4_2+SEC1	25YR-72HR	83.32	0.00	0.03	1.89	1.38	1.61
CH4_2+SEC2	25YR-72HR	14.86	-0.01	-0.08	1.08	1.21	1.13
CH4_2+SEC3	25YR-72HR	18.63	0.00	-0.05	1.43	1.62	1.52
CH4_3+SEC1	25YR-72HR	2.80	0.00	0.11	2.83	0.56	1.46
CH4_3+SEC2	25YR-72HR	8.55	-5.29	-4.04	-0.28	-0.29	-0.29
CH4_3+SEC4	25YR-72HR	2.91	-7.03	-0.47	-2.64	-2.66	-2.16
CH4_3+SEC5	25YR-72HR	3.32	-6.72	0.32	-0.98	-2.40	-1.63
CH4_4+SEC1	25YR-72HR	67.91	0.00	0.25	1.22	1.23	1.23
CH4_4+SEC2	25YR-72HR	2.81	0.00	-0.11	2.60	0.16	1.34
CH4_5+SEC1	25YR-72HR	3.61	0.00	0.03	2.98	0.72	1.57
CH4_5+SEC2	25YR-72HR	40.78	0.00	-0.10	1.46	1.62	1.54
CH4_6+SEC1	25YR-72HR	29.79	0.00	-15.64	0.51	0.50	0.51
CH4_6+SEC2	25YR-72HR	3.61	0.00	-0.26	2.99	1.06	1.66
CH4_6+SEC4	25YR-72HR	3.98	0.00	0.46	0.59	0.65	0.54
CH4_7+SEC1	25YR-72HR	4.47	-2.92	0.20	-0.28	-0.39	-0.33
CH4_7+SEC2	25YR-72HR	5.06	0.00	0.51	0.38	1.26	0.75
CH4_8+SEC1	25YR-72HR	0.00	-10.35	-0.04	-0.48	-2.47	-1.40
CH4_9+SEC1	25YR-72HR	0.00	-9.76	0.01	-0.48	-3.06	-1.73
CH5_1+A_5G	25YR-72HR	4.89	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W7							
CH5_1+A_S18	25YR-72HR	9.19	-0.02	-0.67	2.92	2.92	2.92
CH5_1+SEC1	25YR-72HR	2.63	-1.29	0.16	0.76	1.05	0.77
CH5_1+SEC2	25YR-72HR	1.66	-0.32	0.05	0.76	0.46	0.58
CH5_1+SEC3	25YR-72HR	0.82	0.00	0.01	0.72	0.55	0.59
CH5_1+SEC4	25YR-72HR	0.42	0.00	0.00	0.69	0.44	0.54
CH5_1+SEC5	25YR-72HR	0.22	0.00	0.00	0.25	0.35	0.30
EX4S02_S03	25YR-72HR	2.04	0.00	-0.23	2.08	1.66	1.69
EX4S03_O01	25YR-72HR	168.50	-0.77	-10.33	6.70	6.70	6.70
EX4S03_WEIR1	25YR-72HR	69.93	0.00	0.44	3.35	3.35	3.35
EX4S03_WEIR2	25YR-72HR	98.57	0.00	-0.13	2.90	2.90	2.90
EX4S04_S05	25YR-72HR	2.17	0.00	0.12	3.39	2.67	2.64
EX4S05_S06	25YR-72HR	5.09	0.00	-1.58	4.12	3.30	3.71
EX4S06_S03	25YR-72HR	166.26	0.00	-1.50	5.88	5.88	5.88
EX4S07_S10	25YR-72HR	4.08	0.00	0.62	4.80	4.85	4.40
EX4S08_S06	25YR-72HR	156.85	0.00	1.45	5.55	5.55	5.55
EX4S09_S08	25YR-72HR	150.22	0.00	0.81	6.32	6.32	6.32
EX4S101_4S99	25YR-72HR	26.02	0.00	0.03	4.19	5.66	4.81
EX4S102_S103	25YR-72HR	2.47	0.00	0.02	3.18	5.88	4.53
EX4S104_S103	25YR-72HR	2.93	0.00	0.02	3.45	3.27	3.36
EX4S105_4S99	25YR-72HR	9.05	0.00	0.10	4.92	9.70	7.22
EX4S106_SWL4W1	25YR-72HR	3.50	0.00	-0.05	4.52	21.72	13.12
EX4S107_SWL4W1	25YR-72HR	3.27	0.00	-0.05	4.40	21.38	12.89
EX4S108_S106	25YR-72HR	1.78	0.00	0.00	2.07	1.85	1.96
EX4S109_S107	25YR-72HR	1.66	0.00	0.00	2.37	1.80	2.08
EX4S10_S08	25YR-72HR	5.57	-0.01	-0.78	4.54	4.54	4.54
EX4S11_S12	25YR-72HR	24.53	0.00	-0.07	13.88	14.23	14.05
EX4S12_S09	25YR-72HR	128.09	0.00	-0.83	6.32	7.52	6.47
EX4S14_S12	25YR-72HR	24.17	0.00	1.47	13.68	14.05	13.86
EX4S15_CH4_3+A	25YR-72HR	2.81	0.00	0.05	4.24	19.60	11.92
EX4S16_S12	25YR-72HR	2.39	0.00	-1.96	2.97	5.48	4.23
EX4S17_S12	25YR-72HR	5.44	0.00	2.13	5.46	8.99	7.22
EX4S18_S12	25YR-72HR	1.67	0.00	0.02	3.52	8.77	6.12
EX4S19_S12	25YR-72HR	3.16	0.00	-0.05	4.35	13.83	9.09
EX4S20_CH4	25YR-72HR	2.81	0.00	0.05	4.24	19.95	12.10

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
_4+B							
EX4S21_S26	25YR-72HR	1.61	0.00	0.02	3.48	1.74	2.61
EX4S22_S27	25YR-72HR	1.21	0.00	0.02	3.19	1.12	2.16
EX4S23_S28	25YR-72HR	1.21	0.00	0.02	3.19	1.27	2.23
EX4S24_S31	25YR-72HR	1.95	0.00	0.00	1.59	1.59	1.59
EX4S25_S33	25YR-72HR	2.40	0.00	0.00	1.95	1.95	1.95
EX4S26_SWL4E1	25YR-72HR	3.27	0.00	-0.05	4.40	20.45	12.42
EX4S27_SWL4E1	25YR-72HR	2.87	0.00	-0.05	4.20	19.90	12.05
EX4S28_SWL4E1	25YR-72HR	3.44	0.00	-0.05	4.49	20.09	12.29
EX4S29_SWL4E1	25YR-72HR	15.97	0.00	-0.02	5.08	6.60	5.84
EX4S30_S29	25YR-72HR	12.84	0.00	0.00	4.09	4.09	4.09
EX4S31_S30	25YR-72HR	11.44	0.00	-0.01	3.73	3.64	3.64
EX4S32_S33	25YR-72HR	4.48	0.00	-0.02	3.65	3.65	3.65
EX4S33_S31	25YR-72HR	6.87	0.00	0.00	2.39	2.33	2.36
EX4S34_S09	25YR-72HR	29.76	0.00	-6.20	5.98	8.10	7.04
EX4S35_CH4_3+B	25YR-72HR	5.38	-4.86	0.09	-1.22	-1.39	-1.30
EX4S36_CH4_4+A	25YR-72HR	55.66	0.00	-0.06	3.32	3.50	3.41
EX4S37_S38	25YR-72HR	10.10	0.00	-0.01	3.21	3.21	3.21
EX4S38_S39	25YR-72HR	10.36	0.00	-0.01	3.30	3.30	3.30
EX4S39_S40	25YR-72HR	12.55	0.00	0.02	2.56	2.56	2.56
EX4S40_S41	25YR-72HR	12.68	0.00	0.02	2.58	2.58	2.58
EX4S41_S42	25YR-72HR	12.50	0.00	-0.02	2.55	2.55	2.55
EX4S42_S43A	25YR-72HR	16.14	0.00	-0.02	3.29	3.29	3.29
EX4S43A_4GW1	25YR-72HR	3.41	0.00	1.40	0.00	0.00	0.00
EX4S43A_S43	25YR-72HR	12.89	0.00	-0.58	1.43	1.99	1.43
EX4S43_4GW1	25YR-72HR	3.15	0.00	1.43	0.00	0.00	0.00
EX4S43_4GW2	25YR-72HR	3.55	0.00	1.61	0.00	0.00	0.00
EX4S43_S44	25YR-72HR	10.75	-0.35	-0.49	1.19	-1.55	1.19
EX4S44_4GW2	25YR-72HR	3.35	0.00	-2.15	0.00	0.00	0.00
EX4S44_4GW3	25YR-72HR	1.37	0.00	-0.91	0.00	0.00	0.00
EX4S44_S45	25YR-72HR	12.19	-0.30	-0.51	1.35	2.14	1.44
EX4S45_4GW3	25YR-72HR	1.33	0.00	0.58	0.00	0.00	0.00
EX4S45_4GW4	25YR-72HR	7.59	0.00	3.31	0.00	0.00	0.00
EX4S45_S46A	25YR-72HR	9.67	-2.78	-0.46	1.07	1.30	1.10

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S46A_4GW4	25YR-72HR	7.09	0.00	2.43	0.00	0.00	0.00
EX4S47_S36	25YR-72HR	0.86	0.00	0.10	2.85	2.93	2.78
EX4S48_CH4_4+A	25YR-72HR	0.91	0.00	-0.03	2.88	2.92	2.81
EX4S49_S13	25YR-72HR	74.32	0.00	0.11	3.03	3.03	3.03
EX4S50_S50A	25YR-72HR	4.85	-0.01	0.03	3.95	3.95	3.95
EX4S51_S51A	25YR-72HR	15.23	0.00	0.01	8.62	8.62	8.62
EX4S52_4GW5	25YR-72HR	10.81	0.00	2.63	0.00	0.00	0.00
EX4S52_S51	25YR-72HR	6.48	-0.93	0.05	3.67	3.67	3.67
EX4S53_4GW5	25YR-72HR	10.67	0.00	3.53	0.00	0.00	0.00
EX4S53_S52	25YR-72HR	6.78	-3.79	-0.17	0.75	0.75	0.75
EX4S54_S53	25YR-72HR	9.92	0.00	-0.05	3.16	3.16	3.16
EX4S55_S54	25YR-72HR	4.43	-3.58	-0.05	2.51	2.51	2.51
EX4S56_S55	25YR-72HR	4.26	-4.22	0.02	2.41	2.41	2.41
EX4S57_S37	25YR-72HR	9.85	0.00	-0.04	5.57	5.57	5.57
EX4S58_S39	25YR-72HR	2.93	0.00	0.35	4.04	4.26	4.02
EX4S59_S42	25YR-72HR	1.70	0.00	0.24	3.54	3.88	3.53
EX4S60_S43	25YR-72HR	2.28	-0.46	0.20	3.36	4.22	3.59
EX4S61_S45	25YR-72HR	4.20	-2.16	0.30	4.68	4.58	3.97
EX4S63_CH4_5+B	25YR-72HR	37.62	0.00	0.01	5.99	5.99	5.99
EX4S64_S36	25YR-72HR	44.59	0.00	0.04	4.41	4.86	4.41
EX4S65_S64	25YR-72HR	0.30	0.00	0.02	0.35	0.24	0.24
EX4S66_S67	25YR-72HR	0.75	-0.31	0.54	2.27	2.25	2.22
EX4S67_CH4_4+A	25YR-72HR	26.33	0.00	4.32	1.79	1.79	1.79
EX4S69+A_S69	25YR-72HR	18.40	-8.81	-3.93	1.94	1.94	1.94
EX4S69_CH4_6+A	25YR-72HR	22.75	0.00	1.57	1.55	1.54	1.55
EX4S69_WEIR	25YR-72HR	18.37	-8.79	0.20	1.27	1.27	1.27
EX4S70_S51	25YR-72HR	4.29	0.00	0.00	3.49	3.61	3.49
EX4S71_S52	25YR-72HR	9.73	0.00	0.84	7.93	7.93	7.93
EX4S72_S53	25YR-72HR	6.94	-4.92	-0.69	6.16	7.64	6.90
EX4S73_S54	25YR-72HR	4.63	0.00	0.00	3.77	3.91	3.77
EX4S74_S54	25YR-72HR	4.87	0.00	0.44	4.34	3.97	3.97
EX4S75_CH4_5+A	25YR-72HR	3.62	0.00	0.05	4.57	19.54	12.06
EX4S76_CH4_6+B	25YR-72HR	3.62	0.00	0.05	4.57	21.22	12.90
EX4S78_S77	25YR-72HR	1.95	0.00	0.02	3.70	10.05	6.84
EX4S79_S90	25YR-72HR	3.29	0.00	-0.20	4.35	4.27	4.04
EX4S80A_S82	25YR-72HR	3.16	0.00	0.35	4.23	2.57	3.30

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S80_S80A	25YR-72HR	3.27	0.00	0.04	3.38	2.67	2.89
EX4S81_S90	25YR-72HR	3.03	0.00	1.94	3.55	6.16	4.85
EX4S82_PND 401	25YR-72HR	5.07	-5.24	0.08	2.15	2.66	2.23
EX4S83_PND 401	25YR-72HR	3.27	0.00	1.91	3.88	7.09	5.48
EX4S84_S82	25YR-72HR	18.40	0.00	4.12	14.99	15.44	15.22
EX4S85_4+A	25YR-72HR	3.53	-1.88	0.33	2.88	-3.66	2.88
EX4S86_4+A	25YR-72HR	2.60	-0.90	-2.13	2.85	4.97	3.91
EX4S86_S90	25YR-72HR	4.15	-5.85	0.42	-2.13	-2.13	-2.13
EX4S87_4+A	25YR-72HR	5.21	0.00	-3.11	5.35	8.90	7.12
EX4S91_O02	25YR-72HR	51.27	0.00	-3.63	5.22	5.22	5.22
EX4S91_WEIR1	25YR-72HR	50.48	0.00	0.26	2.58	2.58	2.58
EX4S91_WEIR2	25YR-72HR	0.81	0.00	0.02	4.72	4.72	4.72
EX4S92_S96	25YR-72HR	8.02	0.00	-5.57	5.80	5.45	5.24
EX4S93_S95	25YR-72HR	1.53	0.00	0.09	1.25	1.25	1.25
EX4S94_S92	25YR-72HR	2.49	0.00	-0.11	2.28	2.03	2.03
EX4S95_S91	25YR-72HR	51.17	-0.33	6.66	4.07	4.07	4.07
EX4S96_S95	25YR-72HR	48.34	0.00	1.28	3.85	3.85	3.85
EX4S97_S98	25YR-72HR	1.91	0.00	0.09	2.94	2.61	2.64
EX4S98_S96	25YR-72HR	42.13	0.00	-0.36	4.38	4.38	4.38
EX4S99_S98	25YR-72HR	35.88	0.00	0.30	3.73	3.73	3.73
EX5S01_5GW1	25YR-72HR	3.73	0.00	0.00	0.00	0.00	0.00
EX5S01_S05	25YR-72HR	1.24	-6.58	0.30	-2.10	-2.10	-2.10
EX5S01_WEIR	25YR-72HR	0.00	-8.75	0.00	0.00	0.00	0.00
EX5S02_S01	25YR-72HR	2.95	0.00	-2.36	2.81	1.67	2.24
EX5S03_S04	25YR-72HR	1.57	0.00	-1.46	2.37	0.89	1.22
EX5S04_5GW5	25YR-72HR	6.80	0.00	0.00	0.00	0.00	0.00
EX5S04_S08	25YR-72HR	0.03	-9.71	-0.21	-3.09	-3.09	-3.09
EX5S04_WEIR	25YR-72HR	0.00	-12.76	-0.01	-1.91	-1.91	-1.91
EX5S05_5GW1	25YR-72HR	3.75	0.00	0.00	0.00	0.00	0.00
EX5S05_5GW2	25YR-72HR	3.75	0.00	0.00	0.00	0.00	0.00
EX5S05_S09	25YR-72HR	4.37	-2.98	0.29	1.39	1.39	1.39
EX5S06_S05	25YR-72HR	3.23	0.00	2.07	3.09	1.83	2.46
EX5S07_S08	25YR-72HR	2.77	0.00	-2.18	2.74	1.57	2.16
EX5S08_5GW5	25YR-72HR	6.50	0.00	0.00	0.00	0.00	0.00
EX5S08_5GW6	25YR-72HR	6.50	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX5S08_S12	25YR-72HR	4.93	-1.72	-0.47	1.57	1.57	1.57
EX5S09_5GW2	25YR-72HR	3.93	0.00	0.00	0.00	0.00	0.00
EX5S09_5GW3	25YR-72HR	3.14	0.00	0.00	0.00	0.00	0.00
EX5S09_S15	25YR-72HR	7.02	-0.77	0.50	2.23	2.23	2.23
EX5S10_S09	25YR-72HR	3.14	0.00	-2.42	3.04	1.78	2.41
EX5S11_S12	25YR-72HR	2.25	0.00	-2.07	2.26	1.28	1.77
EX5S12_5GW6	25YR-72HR	6.72	0.00	0.00	0.00	0.00	0.00
EX5S13_S14	25YR-72HR	3.21	0.00	-2.49	2.95	7.87	4.96
EX5S14_S12	25YR-72HR	8.83	-0.48	-1.54	1.80	1.80	1.80
EX5S15_5GW3	25YR-72HR	3.52	0.00	0.00	0.00	0.00	0.00
EX5S15_5GW4	25YR-72HR	4.40	0.00	0.00	0.00	0.00	0.00
EX5S16_S15	25YR-72HR	4.15	0.00	-2.56	2.87	2.35	2.35
EX5S17_S18	25YR-72HR	3.50	0.00	-2.76	3.01	1.98	2.49
EX5S18_5GW7	25YR-72HR	4.49	0.00	0.00	0.00	0.00	0.00
EX5S18_S14	25YR-72HR	6.79	-0.98	-1.35	1.38	1.38	1.38
EX5S19_CH5_1+A	25YR-72HR	13.27	0.00	6.52	4.22	4.22	4.22
EX5S21_5GW4	25YR-72HR	5.24	0.00	0.00	0.00	0.00	0.00
EX5S21_S15	25YR-72HR	9.41	-0.08	0.16	2.99	2.99	2.99
EX5S22A_S19	25YR-72HR	12.05	0.00	-0.05	3.84	3.84	3.84
EX5S22_S21	25YR-72HR	11.01	0.00	4.89	3.59	10.90	6.72
EX5S23_S22A	25YR-72HR	10.84	0.00	0.00	3.45	3.45	3.45
EX5S24A_S23	25YR-72HR	9.80	0.00	0.00	3.12	3.12	3.12
EX5S24_S22	25YR-72HR	8.45	0.00	-0.01	3.15	2.69	2.73
EX5S25_S24A	25YR-72HR	8.71	0.00	0.00	2.77	2.77	2.77
EX5S26_S25	25YR-72HR	7.61	0.00	0.00	4.31	4.31	4.31
EX5S27_S24	25YR-72HR	5.70	0.00	-0.02	3.29	3.23	3.24
EX5S28_S29	25YR-72HR	5.07	0.00	1.15	3.04	11.21	7.05
EX5S29_S26	25YR-72HR	6.78	0.00	-0.01	3.84	3.84	3.84
EX5S30_S28	25YR-72HR	4.98	0.00	0.04	2.82	2.95	2.86
EX5S31_S27	25YR-72HR	3.26	0.00	-0.01	2.49	1.88	2.18
EX5S32_S30	25YR-72HR	3.40	0.00	-0.01	2.52	1.92	2.17
EX5S33_S31	25YR-72HR	1.16	0.00	0.01	1.86	0.84	1.34

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
4GW1	100YR-1HR	32555	0	32555
4GW1	100YR-24HR	158474	0	158474
4GW1	100YR-8HR	76765	0	76765
4GW1	10YR-1HR	22000	0	22000
4GW1	10YR-24HR	116799	0	116799
4GW1	10YR-8HR	73765	0	73765
4GW1	25YR-72HR	171618	0	171618

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
4GW2	100YR-1HR	30461	0	30461
4GW2	100YR-24HR	120936	0	120936
4GW2	100YR-8HR	71305	0	71305
4GW2	10YR-1HR	17125	0	17125
4GW2	10YR-24HR	72184	0	72184
4GW2	10YR-8HR	48717	0	48717
4GW2	25YR-72HR	122119	0	122119

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
4GW3	100YR-1HR	12457	0	12457
4GW3	100YR-24HR	44318	0	44318
4GW3	100YR-8HR	28107	0	28107
4GW3	10YR-1HR	6634	0	6634
4GW3	10YR-24HR	28224	0	28224
4GW3	10YR-8HR	19194	0	19194
4GW3	25YR-72HR	54203	0	54203

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
4GW4	100YR-1HR	77518	0	77518
4GW4	100YR-24HR	256287	0	256287
4GW4	100YR-8HR	163052	0	163052
4GW4	10YR-1HR	44005	0	44005
4GW4	10YR-24HR	170930	0	170930
4GW4	10YR-8HR	123611	0	123611

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
4GW4	25YR-72HR	309037	0	309037

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
4GW5	100YR-1HR	100832	0	100832
4GW5	100YR-24HR	420373	0	420373
4GW5	100YR-8HR	220566	0	220566
4GW5	10YR-1HR	64376	0	64376
4GW5	10YR-24HR	257080	0	257080
4GW5	10YR-8HR	193567	0	193567
4GW5	25YR-72HR	440787	0	440787

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
5GW1	100YR-1HR	18907	0	18907
5GW1	100YR-24HR	98541	0	98541
5GW1	100YR-8HR	53946	0	53946
5GW1	10YR-1HR	12272	0	12272
5GW1	10YR-24HR	46564	0	46564
5GW1	10YR-8HR	23363	0	23363
5GW1	25YR-72HR	90398	0	90398

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
5GW2	100YR-1HR	19539	0	19539
5GW2	100YR-24HR	96634	0	96634
5GW2	100YR-8HR	53643	0	53643
5GW2	10YR-1HR	12719	0	12719
5GW2	10YR-24HR	46681	0	46681
5GW2	10YR-8HR	25360	0	25360
5GW2	25YR-72HR	88944	0	88944

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
5GW3	100YR-1HR	17314	0	17314
5GW3	100YR-24HR	78050	0	78050
5GW3	100YR-8HR	43822	0	43822
5GW3	10YR-1HR	11264	0	11264
5GW3	10YR-24HR	38110	0	38110
5GW3	10YR-8HR	25050	0	25050
5GW3	25YR-72HR	72316	0	72316

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
5GW4	100YR-1HR	25784	0	25784
5GW4	100YR-24HR	100866	0	100866
5GW4	100YR-8HR	57572	0	57572
5GW4	10YR-1HR	16447	0	16447
5GW4	10YR-24HR	49779	0	49779
5GW4	10YR-8HR	40988	0	40988
5GW4	25YR-72HR	94598	0	94598

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
5GW5	100YR-1HR	38881	0	38881
5GW5	100YR-24HR	178535	0	178535
5GW5	100YR-8HR	101185	0	101185
5GW5	10YR-1HR	24623	0	24623
5GW5	10YR-24HR	86374	0	86374
5GW5	10YR-8HR	55661	0	55661
5GW5	25YR-72HR	160102	0	160102

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
5GW6	100YR-1HR	39646	0	39646
5GW6	100YR-24HR	175857	0	175857
5GW6	100YR-8HR	100524	0	100524
5GW6	10YR-1HR	25183	0	25183
5GW6	10YR-24HR	86639	0	86639
5GW6	10YR-8HR	55778	0	55778
5GW6	25YR-72HR	157229	0	157229

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
5GW7	100YR-1HR	30344	0	30344
5GW7	100YR-24HR	118818	0	118818
5GW7	100YR-8HR	67409	0	67409
5GW7	10YR-1HR	19326	0	19326
5GW7	10YR-24HR	60945	0	60945
5GW7	10YR-8HR	46801	0	46801
5GW7	25YR-72HR	109263	0	109263

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH4_1+A	100YR-1HR	19824	19854	-30
CH4_1+A	100YR-24HR	44970	44961	9
CH4_1+A	100YR-8HR	31878	31846	33
CH4_1+A	10YR-1HR	12691	12645	46
CH4_1+A	10YR-24HR	29433	29427	6
CH4_1+A	10YR-8HR	22351	22320	31
CH4_1+A	25YR-72HR	46369	46432	-64

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH4_1+B	100YR-1HR	16562	16298	264
CH4_1+B	100YR-24HR	44973	44970	4
CH4_1+B	100YR-8HR	31900	31878	22
CH4_1+B	10YR-1HR	11291	11181	110
CH4_1+B	10YR-24HR	29437	29433	4
CH4_1+B	10YR-8HR	22360	22351	10
CH4_1+B	25YR-72HR	43488	43349	138

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH4_1+C	100YR-1HR	16608	16562	46
CH4_1+C	100YR-24HR	44978	44973	5
CH4_1+C	100YR-8HR	31908	31900	8
CH4_1+C	10YR-1HR	11326	11291	35
CH4_1+C	10YR-24HR	29441	29437	4
CH4_1+C	10YR-8HR	22366	22360	6

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH4_1+C	25YR-72HR	43505	43488	17

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH4_1+D	100YR-1HR	16762	16608	153
CH4_1+D	100YR-24HR	44990	44978	12
CH4_1+D	100YR-8HR	31946	31908	37
CH4_1+D	10YR-1HR	11435	11326	110
CH4_1+D	10YR-24HR	29450	29441	9
CH4_1+D	10YR-8HR	22394	22366	28
CH4_1+D	25YR-72HR	43559	43505	54

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH4_1+E	100YR-1HR	16603	16762	-159
CH4_1+E	100YR-24HR	44983	44990	-6
CH4_1+E	100YR-8HR	31906	31946	-40
CH4_1+E	10YR-1HR	11325	11435	-111
CH4_1+E	10YR-24HR	29446	29450	-4
CH4_1+E	10YR-8HR	22367	22394	-28
CH4_1+E	25YR-72HR	43495	43559	-65

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH4_1+F	100YR-1HR	16573	16603	-30
CH4_1+F	100YR-24HR	44982	44983	-1
CH4_1+F	100YR-8HR	31899	31906	-8
CH4_1+F	10YR-1HR	11301	11325	-23
CH4_1+F	10YR-24HR	29445	29446	-1
CH4_1+F	10YR-8HR	22361	22367	-6
CH4_1+F	25YR-72HR	43484	43495	-11

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH4_1+G	100YR-1HR	8992	8992	1
CH4_1+G	100YR-24HR	24406	24405	1
CH4_1+G	100YR-8HR	17307	17306	1
CH4_1+G	10YR-1HR	6132	6131	2
CH4_1+G	10YR-24HR	15976	15975	1
CH4_1+G	10YR-8HR	12133	12131	1
CH4_1+G	25YR-72HR	23592	23592	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH4_2+A	100YR-1HR	161473	158847	2626
CH4_2+A	100YR-24HR	671376	671133	243
CH4_2+A	100YR-8HR	447039	446572	467
CH4_2+A	10YR-1HR	90061	88386	1675
CH4_2+A	10YR-24HR	415673	415460	212
CH4_2+A	10YR-8HR	252500	252033	467
CH4_2+A	25YR-72HR	776823	775683	1141

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH4_3+A	100YR-1HR	8589	8738	-149
CH4_3+A	100YR-24HR	23398	23410	-13
CH4_3+A	100YR-8HR	16578	16640	-62
CH4_3+A	10YR-1HR	5841	5931	-90
CH4_3+A	10YR-24HR	15299	15307	-8
CH4_3+A	10YR-8HR	11606	11643	-37
CH4_3+A	25YR-72HR	22616	22702	-85

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH4_3+B	100YR-1HR	34027	33793	234
CH4_3+B	100YR-24HR	57771	57749	22
CH4_3+B	100YR-8HR	51455	51379	76
CH4_3+B	10YR-1HR	15709	15540	168
CH4_3+B	10YR-24HR	20548	20532	16
CH4_3+B	10YR-8HR	35659	35602	57
CH4_3+B	25YR-72HR	44979	44930	49

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH4_4+A	100YR-1HR	120731	120659	72
CH4_4+A	100YR-24HR	541919	541904	15
CH4_4+A	100YR-8HR	332626	332605	21
CH4_4+A	10YR-1HR	71927	71891	36
CH4_4+A	10YR-24HR	332144	332131	12
CH4_4+A	10YR-8HR	203635	203620	15
CH4_4+A	25YR-72HR	598882	598835	47

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH4_4+B	100YR-1HR	8640	8729	-89
CH4_4+B	100YR-24HR	23449	23456	-7
CH4_4+B	100YR-8HR	16628	16663	-35
CH4_4+B	10YR-1HR	5892	5945	-53
CH4_4+B	10YR-24HR	15350	15354	-5
CH4_4+B	10YR-8HR	11657	11680	-23
CH4_4+B	25YR-72HR	22667	22718	-51

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH4_5+A	100YR-1HR	11108	11210	-101
CH4_5+A	100YR-24HR	30148	30157	-9
CH4_5+A	100YR-8HR	21379	21421	-41
CH4_5+A	10YR-1HR	7575	7635	-60
CH4_5+A	10YR-24HR	19735	19742	-7
CH4_5+A	10YR-8HR	14987	15012	-25
CH4_5+A	25YR-72HR	29143	29206	-63

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH4_5+B	100YR-1HR	95562	95453	109
CH4_5+B	100YR-24HR	361852	361836	16
CH4_5+B	100YR-8HR	234629	234589	40
CH4_5+B	10YR-1HR	53733	53646	87
CH4_5+B	10YR-24HR	211361	211348	13
CH4_5+B	10YR-8HR	145975	145942	33

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH4_5+B	25YR-72HR	347109	347085	24

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH4_6+A	100YR-1HR	30779	30627	152
CH4_6+A	100YR-24HR	106131	106116	15
CH4_6+A	100YR-8HR	69928	69958	-31
CH4_6+A	10YR-1HR	18900	18798	102
CH4_6+A	10YR-24HR	63322	63311	11
CH4_6+A	10YR-8HR	44904	44863	41
CH4_6+A	25YR-72HR	136324	136330	-6

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH4_6+B	100YR-1HR	11108	11224	-115
CH4_6+B	100YR-24HR	30148	30158	-10
CH4_6+B	100YR-8HR	21379	21429	-49
CH4_6+B	10YR-1HR	7575	7643	-68
CH4_6+B	10YR-24HR	19735	19741	-6
CH4_6+B	10YR-8HR	14987	15017	-30
CH4_6+B	25YR-72HR	29143	29221	-78

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH4_7+A	100YR-1HR	7561	7490	71
CH4_7+A	100YR-24HR	16270	16273	-2
CH4_7+A	100YR-8HR	11788	11783	5
CH4_7+A	10YR-1HR	4416	4378	37
CH4_7+A	10YR-24HR	10651	10654	-3
CH4_7+A	10YR-8HR	8149	8148	1
CH4_7+A	25YR-72HR	19745	19713	32

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH4_8+A	100YR-1HR	28242	26058	2184
CH4_8+A	100YR-24HR	187324	185033	2291
CH4_8+A	100YR-8HR	85630	83322	2308
CH4_8+A	10YR-1HR	19214	17001	2213
CH4_8+A	10YR-24HR	64071	61785	2286
CH4_8+A	10YR-8HR	38159	35863	2296
CH4_8+A	25YR-72HR	152334	150007	2327

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH4_8+B	100YR-1HR	18888	14973	3914
CH4_8+B	100YR-24HR	177074	173254	3820
CH4_8+B	100YR-8HR	73080	69259	3821
CH4_8+B	10YR-1HR	13239	9354	3886
CH4_8+B	10YR-24HR	54209	50391	3818
CH4_8+B	10YR-8HR	28259	24446	3813
CH4_8+B	25YR-72HR	140691	136912	3780

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH4_9+A	100YR-1HR	3253	3686	-433
CH4_9+A	100YR-24HR	129900	123858	6042
CH4_9+A	100YR-8HR	46780	40767	6013
CH4_9+A	10YR-1HR	1335	1567	-232
CH4_9+A	10YR-24HR	31632	25799	5833
CH4_9+A	10YR-8HR	1256	164	1092
CH4_9+A	25YR-72HR	110813	103899	6915

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH5_1+A	100YR-1HR	48933	48934	-1
CH5_1+A	100YR-24HR	137028	136936	93
CH5_1+A	100YR-8HR	96212	95990	221
CH5_1+A	10YR-1HR	32325	32322	3
CH5_1+A	10YR-24HR	88231	88138	93
CH5_1+A	10YR-8HR	66035	66034	1
CH5_1+A	25YR-72HR	133423	133425	-2

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH5_1+B	100YR-1HR	2418	2439	-21
CH5_1+B	100YR-24HR	9189	9189	0
CH5_1+B	100YR-8HR	5474	5477	-3
CH5_1+B	10YR-1HR	734	742	-9
CH5_1+B	10YR-24HR	4815	4815	0
CH5_1+B	10YR-8HR	3015	3015	0
CH5_1+B	25YR-72HR	9936	9930	6

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH5_1+C	100YR-1HR	1315	1311	4
CH5_1+C	100YR-24HR	6831	6831	0
CH5_1+C	100YR-8HR	4072	4072	0
CH5_1+C	10YR-1HR	549	549	0
CH5_1+C	10YR-24HR	3583	3583	0
CH5_1+C	10YR-8HR	2245	2245	0
CH5_1+C	25YR-72HR	6663	6662	1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH5_1+D	100YR-1HR	874	874	0
CH5_1+D	100YR-24HR	4721	4721	-1
CH5_1+D	100YR-8HR	2808	2808	0
CH5_1+D	10YR-1HR	373	374	0
CH5_1+D	10YR-24HR	2469	2470	-1
CH5_1+D	10YR-8HR	1543	1544	0
CH5_1+D	25YR-72HR	4495	4495	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH5_1+E	100YR-1HR	504	504	0
CH5_1+E	100YR-24HR	2857	2857	0
CH5_1+E	100YR-8HR	1680	1680	0
CH5_1+E	10YR-1HR	207	207	0
CH5_1+E	10YR-24HR	1472	1472	0
CH5_1+E	10YR-8HR	908	908	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH5_1+E	25YR-72HR	2718	2718	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH5_1+F	100YR-1HR	252	252	0
CH5_1+F	100YR-24HR	1428	1428	0
CH5_1+F	100YR-8HR	840	840	0
CH5_1+F	10YR-1HR	104	104	0
CH5_1+F	10YR-24HR	736	736	0
CH5_1+F	10YR-8HR	454	454	0
CH5_1+F	25YR-72HR	1359	1359	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S02	100YR-1HR	6348	6314	34
EX4S02	100YR-24HR	17228	17194	34
EX4S02	100YR-8HR	12217	12183	34
EX4S02	10YR-1HR	4329	4295	34
EX4S02	10YR-24HR	11277	11243	34
EX4S02	10YR-8HR	8564	8530	34
EX4S02	25YR-72HR	16653	16619	34

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S03+A	100YR-1HR	446021	446015	6
EX4S03+A	100YR-24HR	1721021	1721023	-2
EX4S03+A	100YR-8HR	1129832	1129829	3
EX4S03+A	10YR-1HR	255850	255843	7
EX4S03+A	10YR-24HR	1031139	1031135	3
EX4S03+A	10YR-8HR	680856	680853	2
EX4S03+A	25YR-72HR	1783500	1783526	-26

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S03+B	100YR-1HR	446020	446071	-51
EX4S03+B	100YR-24HR	1721027	1721257	-230
EX4S03+B	100YR-8HR	1129834	1129966	-132
EX4S03+B	10YR-1HR	255849	255912	-64
EX4S03+B	10YR-24HR	1031140	1032332	-1192
EX4S03+B	10YR-8HR	680858	681098	-241
EX4S03+B	25YR-72HR	1783550	1784520	-970

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S04	100YR-1HR	6877	6798	79
EX4S04	100YR-24HR	18663	18584	79
EX4S04	100YR-8HR	13235	13156	79
EX4S04	10YR-1HR	4690	4610	79
EX4S04	10YR-24HR	12217	12138	79
EX4S04	10YR-8HR	9278	9199	79
EX4S04	25YR-72HR	18041	17962	79

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S05	100YR-1HR	15437	15432	6
EX4S05	100YR-24HR	42033	42027	6
EX4S05	100YR-8HR	29784	29779	6
EX4S05	10YR-1HR	10502	10501	1
EX4S05	10YR-24HR	27488	27482	6
EX4S05	10YR-8HR	20856	20850	6
EX4S05	25YR-72HR	40629	40624	5

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S06	100YR-1HR	438164	438158	6
EX4S06	100YR-24HR	1696089	1696081	8
EX4S06	100YR-8HR	1112960	1112955	6
EX4S06	10YR-1HR	250856	250849	7
EX4S06	10YR-24HR	1015755	1015746	10
EX4S06	10YR-8HR	669679	669674	5
EX4S06	25YR-72HR	1759542	1759495	48

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S07	100YR-1HR	10403	10196	208
EX4S07	100YR-24HR	28234	28026	208
EX4S07	100YR-8HR	20022	19814	208
EX4S07	10YR-1HR	7094	6886	208
EX4S07	10YR-24HR	18482	18274	208
EX4S07	10YR-8HR	14036	13828	208
EX4S07	25YR-72HR	27293	27085	208

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S08	100YR-1HR	406489	406476	13
EX4S08	100YR-24HR	1590946	1590944	2
EX4S08	100YR-8HR	1042423	1042413	11
EX4S08	10YR-1HR	231500	231498	2
EX4S08	10YR-24HR	951596	951593	3
EX4S08	10YR-8HR	623671	623666	5
EX4S08	25YR-72HR	1658404	1658396	9

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S09	100YR-1HR	377320	377333	-13
EX4S09	100YR-24HR	1494670	1494667	3
EX4S09	100YR-8HR	977750	977748	2
EX4S09	10YR-1HR	213618	213619	-1
EX4S09	10YR-24HR	892762	892760	2
EX4S09	10YR-8HR	581423	581421	2
EX4S09	25YR-72HR	1565821	1565775	46

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S10	100YR-1HR	17604	17604	1
EX4S10	100YR-24HR	48126	48126	0
EX4S10	100YR-8HR	34069	34072	-3
EX4S10	10YR-1HR	11939	11939	0
EX4S10	10YR-24HR	31433	31433	0
EX4S10	10YR-8HR	23821	23823	-2

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S10	25YR-72HR	46517	46518	-1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S101	100YR-1HR	71198	71704	-506
EX4S101	100YR-24HR	241460	241453	7
EX4S101	100YR-8HR	159520	159551	-31
EX4S101	10YR-1HR	40590	41064	-474
EX4S101	10YR-24HR	144447	144438	9
EX4S101	10YR-8HR	101553	101583	-30
EX4S101	25YR-72HR	234962	235024	-62

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S102	100YR-1HR	7582	7582	0
EX4S102	100YR-24HR	20577	20577	0
EX4S102	100YR-8HR	14592	14592	0
EX4S102	10YR-1HR	5170	5170	0
EX4S102	10YR-24HR	13470	13470	0
EX4S102	10YR-8HR	10229	10229	0
EX4S102	25YR-72HR	19892	19892	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S104	100YR-1HR	8993	8992	0
EX4S104	100YR-24HR	24406	24406	0
EX4S104	100YR-8HR	17307	17307	0
EX4S104	10YR-1HR	6132	6132	0
EX4S104	10YR-24HR	15976	15976	0
EX4S104	10YR-8HR	12133	12133	0
EX4S104	25YR-72HR	23592	23592	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S106	100YR-1HR	10756	10767	-11
EX4S106	100YR-24HR	29191	29202	-11
EX4S106	100YR-8HR	20701	20712	-11
EX4S106	10YR-1HR	7335	7346	-11
EX4S106	10YR-24HR	19109	19120	-11
EX4S106	10YR-8HR	14511	14523	-11
EX4S106	25YR-72HR	28218	28229	-11

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S107	100YR-1HR	10050	10073	-23
EX4S107	100YR-24HR	27277	27300	-23
EX4S107	100YR-8HR	19343	19366	-23
EX4S107	10YR-1HR	6854	6876	-23
EX4S107	10YR-24HR	17856	17878	-23
EX4S107	10YR-8HR	13560	13582	-23
EX4S107	25YR-72HR	26368	26390	-23

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S108	100YR-1HR	5466	5466	0
EX4S108	100YR-24HR	14835	14835	0
EX4S108	100YR-8HR	10520	10520	0
EX4S108	10YR-1HR	3728	3728	0
EX4S108	10YR-24HR	9711	9711	0
EX4S108	10YR-8HR	7375	7375	0
EX4S108	25YR-72HR	14340	14340	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S109	100YR-1HR	5113	5113	0
EX4S109	100YR-24HR	13878	13878	0
EX4S109	100YR-8HR	9841	9841	0
EX4S109	10YR-1HR	3487	3487	0
EX4S109	10YR-24HR	9085	9085	0
EX4S109	10YR-8HR	6899	6899	0
EX4S109	25YR-72HR	13415	13415	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S11	100YR-1HR	12936	13617	-681
EX4S11	100YR-24HR	64496	65176	-680
EX4S11	100YR-8HR	39106	39787	-681
EX4S11	10YR-1HR	5917	6599	-681
EX4S11	10YR-24HR	34575	35255	-680
EX4S11	10YR-8HR	22109	22789	-680
EX4S11	25YR-72HR	61497	62178	-682

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S12	100YR-1HR	290026	293657	-3632
EX4S12	100YR-24HR	1224899	1225157	-259
EX4S12	100YR-8HR	795354	796154	-799
EX4S12	10YR-1HR	158214	160818	-2603
EX4S12	10YR-24HR	727187	727324	-137
EX4S12	10YR-8HR	460924	461785	-861
EX4S12	25YR-72HR	1305450	1306483	-1033

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S14	100YR-1HR	16916	17522	-607
EX4S14	100YR-24HR	72305	72909	-604
EX4S14	100YR-8HR	45070	45672	-602
EX4S14	10YR-1HR	9181	9785	-604
EX4S14	10YR-24HR	40206	40810	-604
EX4S14	10YR-8HR	26818	27422	-604
EX4S14	25YR-72HR	69098	69702	-604

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S15	100YR-1HR	8640	8589	51
EX4S15	100YR-24HR	23449	23398	51
EX4S15	100YR-8HR	16628	16578	51
EX4S15	10YR-1HR	5892	5841	51
EX4S15	10YR-24HR	15350	15299	51
EX4S15	10YR-8HR	11657	11606	51

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S15	25YR-72HR	22667	22616	51

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S16	100YR-1HR	3174	3174	0
EX4S16	100YR-24HR	8614	8614	0
EX4S16	100YR-8HR	6108	6108	0
EX4S16	10YR-1HR	2164	2164	0
EX4S16	10YR-24HR	5639	5639	0
EX4S16	10YR-8HR	4282	4282	0
EX4S16	25YR-72HR	8327	8327	-1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S17	100YR-1HR	10579	10583	-4
EX4S17	100YR-24HR	28713	28713	0
EX4S17	100YR-8HR	20361	20413	-51
EX4S17	10YR-1HR	7215	7215	0
EX4S17	10YR-24HR	18796	18796	0
EX4S17	10YR-8HR	14274	14274	0
EX4S17	25YR-72HR	27756	27757	-2

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S18	100YR-1HR	5113	5113	0
EX4S18	100YR-24HR	13878	13878	0
EX4S18	100YR-8HR	9841	9841	0
EX4S18	10YR-1HR	3487	3487	0
EX4S18	10YR-24HR	9085	9085	0
EX4S18	10YR-8HR	6899	6899	0
EX4S18	25YR-72HR	13415	13415	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S19	100YR-1HR	9698	9698	0
EX4S19	100YR-24HR	26320	26320	0
EX4S19	100YR-8HR	18665	18665	0
EX4S19	10YR-1HR	6613	6613	0
EX4S19	10YR-24HR	17229	17229	0
EX4S19	10YR-8HR	13084	13084	0
EX4S19	25YR-72HR	25443	25443	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S20	100YR-1HR	8640	8640	0
EX4S20	100YR-24HR	23449	23449	0
EX4S20	100YR-8HR	16628	16628	0
EX4S20	10YR-1HR	5892	5892	0
EX4S20	10YR-24HR	15350	15350	0
EX4S20	10YR-8HR	11657	11657	0
EX4S20	25YR-72HR	22667	22667	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S21	100YR-1HR	4937	4937	0
EX4S21	100YR-24HR	13399	13399	0
EX4S21	100YR-8HR	9502	9502	0
EX4S21	10YR-1HR	3367	3367	0
EX4S21	10YR-24HR	8771	8771	0
EX4S21	10YR-8HR	6661	6661	0
EX4S21	25YR-72HR	12953	12953	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S22	100YR-1HR	3703	3511	192
EX4S22	100YR-24HR	10049	9857	192
EX4S22	100YR-8HR	7126	6934	192
EX4S22	10YR-1HR	2525	2333	192
EX4S22	10YR-24HR	6578	6386	192
EX4S22	10YR-8HR	4996	4804	192
EX4S22	25YR-72HR	9714	9522	192

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S23	100YR-1HR	3703	3703	0
EX4S23	100YR-24HR	10049	10049	0
EX4S23	100YR-8HR	7126	7126	0
EX4S23	10YR-1HR	2525	2525	0
EX4S23	10YR-24HR	6578	6578	0
EX4S23	10YR-8HR	4996	4996	0
EX4S23	25YR-72HR	9714	9714	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S24	100YR-1HR	6171	6171	0
EX4S24	100YR-24HR	16749	16749	0
EX4S24	100YR-8HR	11877	11877	0
EX4S24	10YR-1HR	4209	4208	0
EX4S24	10YR-24HR	10964	10964	0
EX4S24	10YR-8HR	8326	8326	0
EX4S24	25YR-72HR	16191	16191	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S25	100YR-1HR	7582	7581	1
EX4S25	100YR-24HR	20577	20577	0
EX4S25	100YR-8HR	14592	14592	0
EX4S25	10YR-1HR	5170	5170	1
EX4S25	10YR-24HR	13470	13470	0
EX4S25	10YR-8HR	10229	10229	0
EX4S25	25YR-72HR	19892	19892	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S26	100YR-1HR	10050	10050	0
EX4S26	100YR-24HR	27277	27277	0
EX4S26	100YR-8HR	19343	19343	0
EX4S26	10YR-1HR	6854	6854	0
EX4S26	10YR-24HR	17856	17856	0
EX4S26	10YR-8HR	13560	13560	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S26	25YR-72HR	26368	26368	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S27	100YR-1HR	8624	8601	23
EX4S27	100YR-24HR	23735	23712	23
EX4S27	100YR-8HR	16776	16753	23
EX4S27	10YR-1HR	5820	5797	23
EX4S27	10YR-24HR	15471	15448	23
EX4S27	10YR-8HR	11703	11680	23
EX4S27	25YR-72HR	22938	22915	23

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S28	100YR-1HR	10579	10579	0
EX4S28	100YR-24HR	28713	28713	0
EX4S28	100YR-8HR	20361	20361	0
EX4S28	10YR-1HR	7215	7215	0
EX4S28	10YR-24HR	18796	18796	0
EX4S28	10YR-8HR	14274	14274	0
EX4S28	25YR-72HR	27756	27756	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S29	100YR-1HR	43049	43049	0
EX4S29	100YR-24HR	129497	129498	-1
EX4S29	100YR-8HR	89069	89070	-1
EX4S29	10YR-1HR	27998	28001	-2
EX4S29	10YR-24HR	81572	81573	-1
EX4S29	10YR-8HR	60152	60153	-1
EX4S29	25YR-72HR	124838	124837	1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S30	100YR-1HR	33169	33175	-6
EX4S30	100YR-24HR	102697	102698	-1
EX4S30	100YR-8HR	70065	70065	0
EX4S30	10YR-1HR	21260	21265	-4
EX4S30	10YR-24HR	64029	64029	-1
EX4S30	10YR-8HR	46827	46830	-3
EX4S30	25YR-72HR	98932	98932	-1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S31	100YR-1HR	28752	28761	-9
EX4S31	100YR-24HR	90731	90734	-2
EX4S31	100YR-8HR	61577	61581	-3
EX4S31	10YR-1HR	18247	18254	-8
EX4S31	10YR-24HR	56195	56197	-2
EX4S31	10YR-8HR	40877	40880	-3
EX4S31	25YR-72HR	87366	87367	-1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S32	100YR-1HR	6792	6826	-34
EX4S32	100YR-24HR	30959	30993	-33
EX4S32	100YR-8HR	19218	19251	-34
EX4S32	10YR-1HR	3298	3331	-34
EX4S32	10YR-24HR	17079	17113	-33
EX4S32	10YR-8HR	11196	11230	-33
EX4S32	25YR-72HR	29572	29606	-34

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S33	100YR-1HR	14407	14341	66
EX4S33	100YR-24HR	51570	51510	60
EX4S33	100YR-8HR	33844	33782	61
EX4S33	10YR-1HR	8501	8435	66
EX4S33	10YR-24HR	30583	30523	59
EX4S33	10YR-8HR	21459	21398	61
EX4S33	25YR-72HR	49498	49441	57

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S35	100YR-1HR	37638	37617	21
EX4S35	100YR-24HR	74515	74513	2
EX4S35	100YR-8HR	62782	62773	8
EX4S35	10YR-1HR	16841	16826	15
EX4S35	10YR-24HR	24459	24458	1
EX4S35	10YR-8HR	40276	40271	6
EX4S35	25YR-72HR	40335	40336	-1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S36	100YR-1HR	107705	107699	5
EX4S36	100YR-24HR	430432	430429	3
EX4S36	100YR-8HR	274127	274134	-7
EX4S36	10YR-1HR	59375	59362	13
EX4S36	10YR-24HR	252383	252379	4
EX4S36	10YR-8HR	169551	169548	2
EX4S36	25YR-72HR	435383	435394	-11

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S37	100YR-1HR	27369	27368	1
EX4S37	100YR-24HR	113922	113922	0
EX4S37	100YR-8HR	72197	72197	0
EX4S37	10YR-1HR	14345	14346	-1
EX4S37	10YR-24HR	64619	64619	0
EX4S37	10YR-8HR	43457	43458	-1
EX4S37	25YR-72HR	109059	109057	2

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S38	100YR-1HR	30713	30710	3
EX4S38	100YR-24HR	124129	124129	0
EX4S38	100YR-8HR	79226	79225	1
EX4S38	10YR-1HR	16455	16452	2
EX4S38	10YR-24HR	71055	71054	0
EX4S38	10YR-8HR	48185	48185	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S38	25YR-72HR	118899	118900	-1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S39	100YR-1HR	41348	41323	26
EX4S39	100YR-24HR	159329	159327	2
EX4S39	100YR-8HR	102960	102952	8
EX4S39	10YR-1HR	22829	22814	15
EX4S39	10YR-24HR	92659	92658	1
EX4S39	10YR-8HR	63694	63691	3
EX4S39	25YR-72HR	152780	152768	11

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S40	100YR-1HR	43779	43777	2
EX4S40	100YR-24HR	167114	167113	2
EX4S40	100YR-8HR	108263	108259	4
EX4S40	10YR-1HR	24324	24319	5
EX4S40	10YR-24HR	97507	97506	1
EX4S40	10YR-8HR	67215	67213	3
EX4S40	25YR-72HR	160271	160270	1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S41	100YR-1HR	45364	45372	-8
EX4S41	100YR-24HR	171419	171418	1
EX4S41	100YR-8HR	111313	111315	-2
EX4S41	10YR-1HR	25402	25403	-1
EX4S41	10YR-24HR	100325	100324	1
EX4S41	10YR-8HR	69354	69353	0
EX4S41	25YR-72HR	164434	164437	-3

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S42	100YR-1HR	54054	53971	83
EX4S42	100YR-24HR	203461	203433	27
EX4S42	100YR-8HR	132224	132184	40
EX4S42	10YR-1HR	30344	30294	50
EX4S42	10YR-24HR	119197	119173	24
EX4S42	10YR-8HR	82488	82465	23
EX4S42	25YR-72HR	195185	195136	50

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S43	100YR-1HR	47827	49276	-1449
EX4S43	100YR-24HR	150947	165305	-14358
EX4S43	100YR-8HR	116781	119109	-2328
EX4S43	10YR-1HR	24585	26434	-1848
EX4S43	10YR-24HR	70959	88593	-17635
EX4S43	10YR-8HR	53396	64152	-10756
EX4S43	25YR-72HR	147584	188571	-40987

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S43A	100YR-1HR	53971	55325	-1354
EX4S43A	100YR-24HR	203436	207199	-3763
EX4S43A	100YR-8HR	132185	133289	-1104
EX4S43A	10YR-1HR	30295	31742	-1448
EX4S43A	10YR-24HR	119178	124185	-5007
EX4S43A	10YR-8HR	82467	85922	-3455
EX4S43A	25YR-72HR	195152	219772	-24620

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S44	100YR-1HR	29824	30592	-768
EX4S44	100YR-24HR	77142	83941	-6799
EX4S44	100YR-8HR	74659	76089	-1430
EX4S44	10YR-1HR	13634	14500	-866
EX4S44	10YR-24HR	28758	38702	-9944
EX4S44	10YR-8HR	28385	33938	-5553
EX4S44	25YR-72HR	101404	120915	-19510

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S45	100YR-1HR	39202	43484	-4282
EX4S45	100YR-24HR	89478	152411	-62933
EX4S45	100YR-8HR	88687	101896	-13209
EX4S45	10YR-1HR	17278	23424	-6146
EX4S45	10YR-24HR	45419	111780	-66361
EX4S45	10YR-8HR	38843	69971	-31128
EX4S45	25YR-72HR	122600	237033	-114433

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S46	100YR-1HR	45301	44850	451
EX4S46	100YR-24HR	94875	94395	481
EX4S46	100YR-8HR	77623	77156	467
EX4S46	10YR-1HR	22063	21596	467
EX4S46	10YR-24HR	37146	36666	480
EX4S46	10YR-8HR	50550	50074	476
EX4S46	25YR-72HR	49266	48794	472

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S46A	100YR-1HR	45294	48846	-3552
EX4S46A	100YR-24HR	94266	128520	-34254
EX4S46A	100YR-8HR	82733	90168	-7436
EX4S46A	10YR-1HR	21524	25204	-3679
EX4S46A	10YR-24HR	36534	75813	-39279
EX4S46A	10YR-8HR	49985	66607	-16622
EX4S46A	25YR-72HR	69579	132749	-63170

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S47	100YR-1HR	2821	2206	615
EX4S47	100YR-24HR	7657	7042	615
EX4S47	100YR-8HR	5430	4815	615
EX4S47	10YR-1HR	1924	1309	615
EX4S47	10YR-24HR	5012	4397	615
EX4S47	10YR-8HR	3806	3192	615

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S47	25YR-72HR	7401	6787	615

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S48	100YR-1HR	2998	2396	601
EX4S48	100YR-24HR	8135	7534	601
EX4S48	100YR-8HR	5769	5168	601
EX4S48	10YR-1HR	2044	1443	601
EX4S48	10YR-24HR	5325	4724	601
EX4S48	10YR-8HR	4044	3443	601
EX4S48	25YR-72HR	7864	7263	601

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S49	100YR-1HR	133200	133185	16
EX4S49	100YR-24HR	591148	591153	-4
EX4S49	100YR-8HR	363800	363793	7
EX4S49	10YR-1HR	79179	79172	7
EX4S49	10YR-24HR	360070	360073	-3
EX4S49	10YR-8HR	222692	222670	23
EX4S49	25YR-72HR	645994	646019	-25

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S50	100YR-1HR	14572	14117	454
EX4S50	100YR-24HR	40533	40078	454
EX4S50	100YR-8HR	28571	28117	454
EX4S50	10YR-1HR	9773	9319	454
EX4S50	10YR-24HR	26330	25875	454
EX4S50	10YR-8HR	19858	19404	454
EX4S50	25YR-72HR	39161	38707	454

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S50A	100YR-1HR	30780	30920	-139
EX4S50A	100YR-24HR	80244	80262	-18
EX4S50A	100YR-8HR	83377	83428	-51
EX4S50A	10YR-1HR	12196	12284	-88
EX4S50A	10YR-24HR	55621	55634	-13
EX4S50A	10YR-8HR	29949	29986	-37
EX4S50A	25YR-72HR	130779	130825	-46

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S51	100YR-1HR	23461	23530	-69
EX4S51	100YR-24HR	68418	68458	-40
EX4S51	100YR-8HR	62954	62998	-44
EX4S51	10YR-1HR	9267	9331	-64
EX4S51	10YR-24HR	37940	37986	-46
EX4S51	10YR-8HR	25232	25285	-53
EX4S51	25YR-72HR	95832	95871	-39

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S51A	100YR-1HR	19264	19266	-2
EX4S51A	100YR-24HR	40172	40170	2
EX4S51A	100YR-8HR	55480	55482	-2
EX4S51A	10YR-1HR	4379	4378	1
EX4S51A	10YR-24HR	29751	29749	2
EX4S51A	10YR-8HR	10731	10729	1
EX4S51A	25YR-72HR	92065	92072	-7

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S52	100YR-1HR	50972	53128	-2155
EX4S52	100YR-24HR	207919	224885	-16967
EX4S52	100YR-8HR	128563	130726	-2163
EX4S52	10YR-1HR	27724	29865	-2141
EX4S52	10YR-24HR	108888	128031	-19143
EX4S52	10YR-8HR	81621	99055	-17434
EX4S52	25YR-72HR	192588	245911	-53324

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S53	100YR-1HR	49419	56740	-7321
EX4S53	100YR-24HR	192360	213771	-21412
EX4S53	100YR-8HR	117069	120961	-3892
EX4S53	10YR-1HR	28997	35747	-6751
EX4S53	10YR-24HR	106882	132615	-25732
EX4S53	10YR-8HR	78088	100230	-22142
EX4S53	25YR-72HR	183488	258626	-75139

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S54	100YR-1HR	33797	33491	305
EX4S54	100YR-24HR	115747	115718	29
EX4S54	100YR-8HR	76612	76564	47
EX4S54	10YR-1HR	19782	19566	216
EX4S54	10YR-24HR	69243	69228	15
EX4S54	10YR-8HR	48945	48847	98
EX4S54	25YR-72HR	116047	116033	14

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S55	100YR-1HR	6510	6502	8
EX4S55	100YR-24HR	15102	15101	1
EX4S55	100YR-8HR	11009	11006	3
EX4S55	10YR-1HR	2927	2921	6
EX4S55	10YR-24HR	9396	9396	1
EX4S55	10YR-8HR	6826	6824	2
EX4S55	25YR-72HR	25041	25041	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S56	100YR-1HR	4257	4261	-4
EX4S56	100YR-24HR	9722	9722	0
EX4S56	100YR-8HR	7218	7220	-2
EX4S56	10YR-1HR	1987	1989	-2
EX4S56	10YR-24HR	6117	6117	0
EX4S56	10YR-8HR	4485	4486	-1

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S56	25YR-72HR	14992	14994	-2

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S57	100YR-1HR	22289	22291	-3
EX4S57	100YR-24HR	99504	99504	0
EX4S57	100YR-8HR	62084	62087	-2
EX4S57	10YR-1HR	10988	10987	0
EX4S57	10YR-24HR	55316	55316	0
EX4S57	10YR-8HR	36482	36482	0
EX4S57	25YR-72HR	95131	95135	-4

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S58	100YR-1HR	6298	6298	0
EX4S58	100YR-24HR	21913	21913	0
EX4S58	100YR-8HR	14592	14592	0
EX4S58	10YR-1HR	3646	3646	0
EX4S58	10YR-24HR	13236	13236	0
EX4S58	10YR-8HR	9367	9367	0
EX4S58	25YR-72HR	21069	21069	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S59	100YR-1HR	3694	3694	0
EX4S59	100YR-24HR	12201	12201	0
EX4S59	100YR-8HR	8234	8234	0
EX4S59	10YR-1HR	2212	2212	0
EX4S59	10YR-24HR	7497	7497	0
EX4S59	10YR-8HR	5385	5385	0
EX4S59	25YR-72HR	11744	11744	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S60	100YR-1HR	4387	4387	0
EX4S60	100YR-24HR	14126	14126	0
EX4S60	100YR-8HR	9596	9596	0
EX4S60	10YR-1HR	2670	2670	0
EX4S60	10YR-24HR	8752	8752	0
EX4S60	10YR-8HR	6332	6332	0
EX4S60	25YR-72HR	13840	13842	-3

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S61	100YR-1HR	9244	9244	1
EX4S61	100YR-24HR	29884	29884	0
EX4S61	100YR-8HR	20280	20281	-1
EX4S61	10YR-1HR	5612	5612	0
EX4S61	10YR-24HR	18491	18491	0
EX4S61	10YR-8HR	13362	13362	0
EX4S61	25YR-72HR	30640	30647	-7

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S62	100YR-1HR	18161	17614	548
EX4S62	100YR-24HR	49290	48724	567
EX4S62	100YR-8HR	34954	34392	562
EX4S62	10YR-1HR	12385	11833	552
EX4S62	10YR-24HR	32267	31699	567
EX4S62	10YR-8HR	24503	23941	562
EX4S62	25YR-72HR	47648	47081	567

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S63	100YR-1HR	85937	85919	18
EX4S63	100YR-24HR	331710	331695	15
EX4S63	100YR-8HR	213488	213459	29
EX4S63	10YR-1HR	46459	46426	34
EX4S63	10YR-24HR	191632	191619	13
EX4S63	10YR-8HR	131048	131023	24
EX4S63	25YR-72HR	321912	321921	-9

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S64	100YR-1HR	101545	101421	124
EX4S64	100YR-24HR	392047	392034	13
EX4S64	100YR-8HR	252904	252869	35
EX4S64	10YR-1HR	56436	56350	86
EX4S64	10YR-24HR	227357	227351	7
EX4S64	10YR-8HR	156211	156196	15
EX4S64	25YR-72HR	375714	375683	30

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S65	100YR-1HR	1456	895	562
EX4S65	100YR-24HR	3037	2476	562
EX4S65	100YR-8HR	2323	1761	562
EX4S65	10YR-1HR	1111	549	562
EX4S65	10YR-24HR	2003	1442	562
EX4S65	10YR-8HR	1691	1129	562
EX4S65	25YR-72HR	2776	2214	562

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S66	100YR-1HR	1766	1192	574
EX4S66	100YR-24HR	4785	4211	574
EX4S66	100YR-8HR	3394	2825	569
EX4S66	10YR-1HR	1203	629	574
EX4S66	10YR-24HR	3133	2559	574
EX4S66	10YR-8HR	2379	1805	574
EX4S66	25YR-72HR	4626	4055	571

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S67	100YR-1HR	35850	35802	48
EX4S67	100YR-24HR	137633	137623	10
EX4S67	100YR-8HR	88163	88058	106
EX4S67	10YR-1HR	20842	20801	40
EX4S67	10YR-24HR	79195	79186	9
EX4S67	10YR-8HR	54489	54473	16

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S67	25YR-72HR	166263	166198	65

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S68	100YR-1HR	13577	13158	419
EX4S68	100YR-24HR	36848	36371	477
EX4S68	100YR-8HR	26130	25671	459
EX4S68	10YR-1HR	9259	8827	432
EX4S68	10YR-24HR	24121	23642	479
EX4S68	10YR-8HR	18318	17856	462
EX4S68	25YR-72HR	35620	35144	476

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S69	100YR-1HR	19876	19769	107
EX4S69	100YR-24HR	76108	76086	22
EX4S69	100YR-8HR	48794	48728	66
EX4S69	10YR-1HR	11483	11392	91
EX4S69	10YR-24HR	43675	43656	19
EX4S69	10YR-8HR	30073	30034	39
EX4S69	25YR-72HR	110904	110879	26

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S69+A	100YR-1HR	213	213	0
EX4S69+A	100YR-24HR	113	113	0
EX4S69+A	100YR-8HR	229	229	0
EX4S69+A	10YR-1HR	136	136	0
EX4S69+A	10YR-24HR	75	75	0
EX4S69+A	10YR-8HR	147	147	0
EX4S69+A	25YR-72HR	41627	41632	-5

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S70	100YR-1HR	6678	6678	0
EX4S70	100YR-24HR	29745	29744	0
EX4S70	100YR-8HR	18510	18510	0
EX4S70	10YR-1HR	3355	3355	0
EX4S70	10YR-24HR	16487	16487	0
EX4S70	10YR-8HR	10878	10878	0
EX4S70	25YR-72HR	28428	28428	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S71	100YR-1HR	22669	22669	1
EX4S71	100YR-24HR	98195	98195	0
EX4S71	100YR-8HR	61603	61607	-4
EX4S71	10YR-1HR	11557	11582	-26
EX4S71	10YR-24HR	54986	54986	0
EX4S71	10YR-8HR	36567	36572	-5
EX4S71	25YR-72HR	93918	93920	-2

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S72	100YR-1HR	10836	10838	-2
EX4S72	100YR-24HR	43570	43570	0
EX4S72	100YR-8HR	27850	27856	-6
EX4S72	10YR-1HR	5814	5815	0
EX4S72	10YR-24HR	24989	24989	0
EX4S72	10YR-8HR	16971	16971	0
EX4S72	25YR-72HR	48521	48542	-21

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S73	100YR-1HR	9205	9194	12
EX4S73	100YR-24HR	34068	34068	0
EX4S73	100YR-8HR	22213	22207	6
EX4S73	10YR-1HR	5246	5242	4
EX4S73	10YR-24HR	20045	20045	0
EX4S73	10YR-8HR	13937	13934	3
EX4S73	25YR-72HR	32691	32683	8

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S74	100YR-1HR	7572	7572	0
EX4S74	100YR-24HR	33852	33852	0
EX4S74	100YR-8HR	20936	20936	0
EX4S74	10YR-1HR	3893	3893	0
EX4S74	10YR-24HR	18629	18629	0
EX4S74	10YR-8HR	12276	12276	0
EX4S74	25YR-72HR	32331	32331	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S75	100YR-1HR	11108	11108	0
EX4S75	100YR-24HR	30148	30148	0
EX4S75	100YR-8HR	21379	21379	0
EX4S75	10YR-1HR	7575	7575	0
EX4S75	10YR-24HR	19735	19735	0
EX4S75	10YR-8HR	14987	14987	0
EX4S75	25YR-72HR	29143	29143	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S76	100YR-1HR	11108	11108	0
EX4S76	100YR-24HR	30148	30148	0
EX4S76	100YR-8HR	21379	21379	0
EX4S76	10YR-1HR	7575	7575	0
EX4S76	10YR-24HR	19735	19735	0
EX4S76	10YR-8HR	14987	14987	0
EX4S76	25YR-72HR	29143	29143	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S78	100YR-1HR	5995	5995	0
EX4S78	100YR-24HR	16270	16270	0
EX4S78	100YR-8HR	11538	11538	0
EX4S78	10YR-1HR	4088	4088	0
EX4S78	10YR-24HR	10651	10651	0
EX4S78	10YR-8HR	8088	8088	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S78	25YR-72HR	15728	15728	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S79	100YR-1HR	10051	10050	0
EX4S79	100YR-24HR	27277	27195	82
EX4S79	100YR-8HR	19343	19261	82
EX4S79	10YR-1HR	6854	6854	0
EX4S79	10YR-24HR	17856	17774	82
EX4S79	10YR-8HR	13561	13549	13
EX4S79	25YR-72HR	26368	26286	82

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S80	100YR-1HR	10403	10403	0
EX4S80	100YR-24HR	28234	28154	80
EX4S80	100YR-8HR	20022	19942	80
EX4S80	10YR-1HR	7094	7094	0
EX4S80	10YR-24HR	18482	18403	80
EX4S80	10YR-8HR	14037	14026	10
EX4S80	25YR-72HR	27295	27216	79

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S80A	100YR-1HR	10403	10262	141
EX4S80A	100YR-24HR	28154	27928	227
EX4S80A	100YR-8HR	19942	19716	226
EX4S80A	10YR-1HR	7094	6953	141
EX4S80A	10YR-24HR	18403	18176	227
EX4S80A	10YR-8HR	14028	13870	157
EX4S80A	25YR-72HR	27219	26993	226

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S81	100YR-1HR	7758	7758	0
EX4S81	100YR-24HR	21056	20894	162
EX4S81	100YR-8HR	14932	14770	161
EX4S81	10YR-1HR	5291	5291	0
EX4S81	10YR-24HR	13783	13619	164
EX4S81	10YR-8HR	10471	10376	95
EX4S81	25YR-72HR	20354	20199	155

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S82	100YR-1HR	51335	50827	508
EX4S82	100YR-24HR	200641	190827	9813
EX4S82	100YR-8HR	116830	106897	9933
EX4S82	10YR-1HR	34011	33450	562
EX4S82	10YR-24HR	101427	91663	9764
EX4S82	10YR-8HR	64499	60311	4188
EX4S82	25YR-72HR	182862	173485	9377

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S83	100YR-1HR	8640	8640	0
EX4S83	100YR-24HR	23449	23299	150
EX4S83	100YR-8HR	16628	16479	150
EX4S83	10YR-1HR	5892	5892	0
EX4S83	10YR-24HR	15350	15196	153
EX4S83	10YR-8HR	11658	11575	84
EX4S83	25YR-72HR	22667	22531	136

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S84	100YR-1HR	37381	37387	-7
EX4S84	100YR-24HR	101451	101312	139
EX4S84	100YR-8HR	71943	71811	132
EX4S84	10YR-1HR	25492	25491	0
EX4S84	10YR-24HR	66411	66276	135
EX4S84	10YR-8HR	50438	50369	69
EX4S84	25YR-72HR	98071	97933	138

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S85	100YR-1HR	11011	10875	136
EX4S85	100YR-24HR	29748	29613	135
EX4S85	100YR-8HR	21118	20983	136
EX4S85	10YR-1HR	7534	7401	134
EX4S85	10YR-24HR	19500	19365	135
EX4S85	10YR-8HR	14828	14693	135
EX4S85	25YR-72HR	28762	28626	135

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S86	100YR-1HR	6221	6126	96
EX4S86	100YR-24HR	16798	16694	104
EX4S86	100YR-8HR	11926	11904	22
EX4S86	10YR-1HR	4258	4160	98
EX4S86	10YR-24HR	11013	10905	108
EX4S86	10YR-8HR	8375	8280	95
EX4S86	25YR-72HR	16240	16138	102

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S87	100YR-1HR	11286	11239	47
EX4S87	100YR-24HR	30627	30576	51
EX4S87	100YR-8HR	21719	21614	105
EX4S87	10YR-1HR	7697	7651	46
EX4S87	10YR-24HR	20049	19998	51
EX4S87	10YR-8HR	15225	15186	39
EX4S87	25YR-72HR	29607	29570	37

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S91+A	100YR-1HR	137773	137750	23
EX4S91+A	100YR-24HR	461292	460684	608
EX4S91+A	100YR-8HR	308435	308292	143
EX4S91+A	10YR-1HR	83814	83779	35
EX4S91+A	10YR-24HR	280746	280183	563
EX4S91+A	10YR-8HR	200380	200382	-2

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S91+A	25YR-72HR	443436	443103	333

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S91+B	100YR-1HR	137749	137758	-9
EX4S91+B	100YR-24HR	460684	460671	12
EX4S91+B	100YR-8HR	308292	308302	-9
EX4S91+B	10YR-1HR	83779	83785	-6
EX4S91+B	10YR-24HR	280182	280202	-20
EX4S91+B	10YR-8HR	200381	200371	10
EX4S91+B	25YR-72HR	443101	443090	11

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S92	100YR-1HR	17809	17825	-17
EX4S92	100YR-24HR	48333	48320	13
EX4S92	100YR-8HR	34275	34351	-76
EX4S92	10YR-1HR	12145	12132	12
EX4S92	10YR-24HR	31639	31626	13
EX4S92	10YR-8HR	24027	24016	11
EX4S92	25YR-72HR	46722	46751	-29

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S93	100YR-1HR	4761	4727	34
EX4S93	100YR-24HR	12921	12881	39
EX4S93	100YR-8HR	9163	9127	36
EX4S93	10YR-1HR	3247	3213	34
EX4S93	10YR-24HR	8458	8422	36
EX4S93	10YR-8HR	6423	6389	34
EX4S93	25YR-72HR	12490	12457	33

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S94	100YR-1HR	7758	7758	0
EX4S94	100YR-24HR	21056	21056	0
EX4S94	100YR-8HR	14932	14931	0
EX4S94	10YR-1HR	5291	5291	0
EX4S94	10YR-24HR	13783	13783	0
EX4S94	10YR-8HR	10467	10467	0
EX4S94	25YR-72HR	20354	20354	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S95	100YR-1HR	137537	137556	-19
EX4S95	100YR-24HR	459915	460504	-588
EX4S95	100YR-8HR	307781	307916	-135
EX4S95	10YR-1HR	83660	83693	-33
EX4S95	10YR-24HR	279796	280276	-480
EX4S95	10YR-8HR	200076	200051	24
EX4S95	25YR-72HR	442474	442681	-207

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S96	100YR-1HR	130221	130191	30
EX4S96	100YR-24HR	437092	437105	-13
EX4S96	100YR-8HR	292271	292187	84
EX4S96	10YR-1HR	79014	79014	0
EX4S96	10YR-24HR	265466	265544	-79
EX4S96	10YR-8HR	189640	189660	-20
EX4S96	25YR-72HR	420400	420488	-88

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S97	100YR-1HR	5995	5924	71
EX4S97	100YR-24HR	16270	16199	71
EX4S97	100YR-8HR	11538	11467	71
EX4S97	10YR-1HR	4088	4020	68
EX4S97	10YR-24HR	10651	10580	71
EX4S97	10YR-8HR	8088	8017	71
EX4S97	25YR-72HR	15728	15657	71

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S98	100YR-1HR	111509	111501	9
EX4S98	100YR-24HR	384362	384357	5
EX4S98	100YR-8HR	255238	255233	5
EX4S98	10YR-1HR	66479	66472	7
EX4S98	10YR-24HR	231469	231462	7
EX4S98	10YR-8HR	164103	164100	3
EX4S98	25YR-72HR	369448	369436	12

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S99	100YR-1HR	94118	94101	17
EX4S99	100YR-24HR	328095	328078	16
EX4S99	100YR-8HR	217119	217100	19
EX4S99	10YR-1HR	55850	55824	26
EX4S99	10YR-24HR	196717	196703	15
EX4S99	10YR-8HR	139004	138984	20
EX4S99	25YR-72HR	315254	315252	3

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S01	100YR-1HR	9437	9436	1
EX5S01	100YR-24HR	150030	149815	216
EX5S01	100YR-8HR	60793	60309	483
EX5S01	10YR-1HR	6126	6124	2
EX5S01	10YR-24HR	44575	44358	217
EX5S01	10YR-8HR	11670	11668	1
EX5S01	25YR-72HR	129990	129981	10

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S02	100YR-1HR	4937	4937	0
EX5S02	100YR-24HR	13399	13399	0
EX5S02	100YR-8HR	9502	9502	0
EX5S02	10YR-1HR	3367	3367	0
EX5S02	10YR-24HR	8771	8771	0
EX5S02	10YR-8HR	6661	6661	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S02	25YR-72HR	12953	12954	-1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S03	100YR-1HR	4937	4937	0
EX5S03	100YR-24HR	13399	13399	0
EX5S03	100YR-8HR	9502	9502	0
EX5S03	10YR-1HR	3367	3368	-1
EX5S03	10YR-24HR	8771	8771	0
EX5S03	10YR-8HR	6661	6661	0
EX5S03	25YR-72HR	12953	12953	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S04	100YR-1HR	28972	28970	2
EX5S04	100YR-24HR	235419	235204	216
EX5S04	100YR-8HR	108372	107891	481
EX5S04	10YR-1HR	17176	17172	4
EX5S04	10YR-24HR	84598	84382	216
EX5S04	10YR-8HR	46636	46628	7
EX5S04	25YR-72HR	196173	196163	9

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S05	100YR-1HR	22400	22403	-3
EX5S05	100YR-24HR	156931	156594	336
EX5S05	100YR-8HR	79829	79054	775
EX5S05	10YR-1HR	14631	14633	-2
EX5S05	10YR-24HR	65434	65100	335
EX5S05	10YR-8HR	26551	26550	1
EX5S05	25YR-72HR	142455	142445	11

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S06	100YR-1HR	8464	8464	0
EX5S06	100YR-24HR	22970	22970	0
EX5S06	100YR-8HR	16289	16289	0
EX5S06	10YR-1HR	5772	5772	0
EX5S06	10YR-24HR	15037	15037	0
EX5S06	10YR-8HR	11419	11419	0
EX5S06	25YR-72HR	22204	22207	-3

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S07	100YR-1HR	8464	8136	327
EX5S07	100YR-24HR	22970	22642	328
EX5S07	100YR-8HR	16289	15966	323
EX5S07	10YR-1HR	5772	5441	331
EX5S07	10YR-24HR	15037	14709	328
EX5S07	10YR-8HR	11419	11091	328
EX5S07	25YR-72HR	22204	21880	325

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S08	100YR-1HR	39182	39170	12
EX5S08	100YR-24HR	207790	207449	341
EX5S08	100YR-8HR	111185	110401	784
EX5S08	10YR-1HR	25402	25393	9
EX5S08	10YR-24HR	90663	90323	339
EX5S08	10YR-8HR	54247	54242	5
EX5S08	25YR-72HR	178371	178357	14

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S09	100YR-1HR	30170	30172	-2
EX5S09	100YR-24HR	126180	125844	337
EX5S09	100YR-8HR	80364	79588	775
EX5S09	10YR-1HR	19914	19916	-2
EX5S09	10YR-24HR	70839	70503	336
EX5S09	10YR-8HR	36275	36274	1
EX5S09	25YR-72HR	122565	122552	12

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S10	100YR-1HR	8464	8464	0
EX5S10	100YR-24HR	22970	22970	0
EX5S10	100YR-8HR	16289	16289	0
EX5S10	10YR-1HR	5772	5772	0
EX5S10	10YR-24HR	15037	15037	0
EX5S10	10YR-8HR	11419	11419	0
EX5S10	25YR-72HR	22204	22208	-4

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S11	100YR-1HR	6348	6348	0
EX5S11	100YR-24HR	17228	17228	0
EX5S11	100YR-8HR	12217	12219	-2
EX5S11	10YR-1HR	4329	4330	-1
EX5S11	10YR-24HR	11277	11277	0
EX5S11	10YR-8HR	8564	8564	0
EX5S11	25YR-72HR	16653	16657	-4

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S12	100YR-1HR	40221	40207	14
EX5S12	100YR-24HR	117202	116916	286
EX5S12	100YR-8HR	83482	82832	650
EX5S12	10YR-1HR	27536	27524	12
EX5S12	10YR-24HR	72524	72244	281
EX5S12	10YR-8HR	50468	50471	-3
EX5S12	25YR-72HR	110042	110021	21

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S13	100YR-1HR	7758	7759	0
EX5S13	100YR-24HR	21056	21056	0
EX5S13	100YR-8HR	14932	14937	-5
EX5S13	10YR-1HR	5291	5291	0
EX5S13	10YR-24HR	13783	13783	0
EX5S13	10YR-8HR	10467	10467	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S13	25YR-72HR	20354	20355	-1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S14	100YR-1HR	32730	32722	8
EX5S14	100YR-24HR	64663	64566	97
EX5S14	100YR-8HR	60721	60379	342
EX5S14	10YR-1HR	22770	22763	6
EX5S14	10YR-24HR	55170	55073	97
EX5S14	10YR-8HR	39758	39758	0
EX5S14	25YR-72HR	69167	69181	-15

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S15	100YR-1HR	40593	40591	1
EX5S15	100YR-24HR	128856	128540	316
EX5S15	100YR-8HR	91162	90426	736
EX5S15	10YR-1HR	26859	26861	-2
EX5S15	10YR-24HR	82701	82385	316
EX5S15	10YR-8HR	53129	53131	-2
EX5S15	25YR-72HR	126596	126583	13

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S16	100YR-1HR	12872	12872	0
EX5S16	100YR-24HR	34934	34934	0
EX5S16	100YR-8HR	24773	24773	0
EX5S16	10YR-1HR	8778	8778	0
EX5S16	10YR-24HR	22868	22868	0
EX5S16	10YR-8HR	17366	17366	0
EX5S16	25YR-72HR	33769	33773	-4

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S17	100YR-1HR	5819	5819	0
EX5S17	100YR-24HR	15792	15792	0
EX5S17	100YR-8HR	11199	11204	-5
EX5S17	10YR-1HR	3968	3968	0
EX5S17	10YR-24HR	10338	10338	0
EX5S17	10YR-8HR	7850	7850	0
EX5S17	25YR-72HR	15266	15266	-1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S18	100YR-1HR	39150	39151	-1
EX5S18	100YR-24HR	102143	101981	162
EX5S18	100YR-8HR	78416	77956	460
EX5S18	10YR-1HR	26612	26613	-1
EX5S18	10YR-24HR	71565	71400	165
EX5S18	10YR-8HR	51882	51882	-1
EX5S18	25YR-72HR	101782	101757	25

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S19	100YR-1HR	46284	46281	3
EX5S19	100YR-24HR	126104	126105	-1
EX5S19	100YR-8HR	89353	89352	0
EX5S19	10YR-1HR	31481	31479	3
EX5S19	10YR-24HR	82471	82472	0
EX5S19	10YR-8HR	62566	62566	0
EX5S19	25YR-72HR	121896	121896	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S21	100YR-1HR	40184	40169	15
EX5S21	100YR-24HR	120768	120547	221
EX5S21	100YR-8HR	83944	83457	487
EX5S21	10YR-1HR	26277	26265	12
EX5S21	10YR-24HR	76236	76017	219
EX5S21	10YR-8HR	55978	55977	1
EX5S21	25YR-72HR	116267	116256	11

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S22	100YR-1HR	35091	35091	0
EX5S22	100YR-24HR	95230	95230	0
EX5S22	100YR-8HR	67532	67532	0
EX5S22	10YR-1HR	23927	23928	-1
EX5S22	10YR-24HR	62339	62339	0
EX5S22	10YR-8HR	47341	47341	0
EX5S22	25YR-72HR	92061	92066	-5

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S22A	100YR-1HR	42053	42052	1
EX5S22A	100YR-24HR	114620	114619	0
EX5S22A	100YR-8HR	81208	81208	0
EX5S22A	10YR-1HR	28596	28596	1
EX5S22A	10YR-24HR	74954	74953	0
EX5S22A	10YR-8HR	56857	56856	0
EX5S22A	25YR-72HR	110796	110794	2

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S23	100YR-1HR	37821	37821	0
EX5S23	100YR-24HR	103135	103135	0
EX5S23	100YR-8HR	73064	73064	0
EX5S23	10YR-1HR	25710	25710	0
EX5S23	10YR-24HR	67435	67435	0
EX5S23	10YR-8HR	51147	51147	0
EX5S23	25YR-72HR	99695	99694	1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S24	100YR-1HR	26980	26980	1
EX5S24	100YR-24HR	73217	73217	0
EX5S24	100YR-8HR	51922	51921	0
EX5S24	10YR-1HR	18398	18396	2
EX5S24	10YR-24HR	47929	47929	0
EX5S24	10YR-8HR	36398	36398	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S24	25YR-72HR	70781	70782	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S24A	100YR-1HR	34118	34118	0
EX5S24A	100YR-24HR	93086	93086	0
EX5S24A	100YR-8HR	65937	65937	0
EX5S24A	10YR-1HR	23185	23185	0
EX5S24A	10YR-24HR	60857	60857	0
EX5S24A	10YR-8HR	46152	46151	0
EX5S24A	25YR-72HR	89981	89980	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S25	100YR-1HR	30237	30239	-2
EX5S25	100YR-24HR	82558	82558	0
EX5S25	100YR-8HR	58471	58472	-1
EX5S25	10YR-1HR	20538	20540	-1
EX5S25	10YR-24HR	53965	53965	0
EX5S25	10YR-8HR	40918	40918	0
EX5S25	25YR-72HR	79801	79804	-3

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S26	100YR-1HR	26358	26357	0
EX5S26	100YR-24HR	72030	72030	0
EX5S26	100YR-8HR	51005	51005	0
EX5S26	10YR-1HR	17893	17893	0
EX5S26	10YR-24HR	47074	47074	0
EX5S26	10YR-8HR	35684	35684	0
EX5S26	25YR-72HR	69624	69624	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S27	100YR-1HR	18164	18164	0
EX5S27	100YR-24HR	49290	49290	0
EX5S27	100YR-8HR	34954	34954	0
EX5S27	10YR-1HR	12386	12386	0
EX5S27	10YR-24HR	32266	32266	0
EX5S27	10YR-8HR	24503	24503	0
EX5S27	25YR-72HR	47651	47652	-1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S28	100YR-1HR	17365	17365	0
EX5S28	100YR-24HR	47624	47624	0
EX5S28	100YR-8HR	33698	33698	0
EX5S28	10YR-1HR	11761	11761	0
EX5S28	10YR-24HR	31098	31098	0
EX5S28	10YR-8HR	23552	23552	0
EX5S28	25YR-72HR	46032	46032	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S29	100YR-1HR	23360	23360	0
EX5S29	100YR-24HR	63895	63895	0
EX5S29	100YR-8HR	45236	45236	0
EX5S29	10YR-1HR	15849	15849	0
EX5S29	10YR-24HR	41748	41748	0
EX5S29	10YR-8HR	31640	31640	0
EX5S29	25YR-72HR	61760	61760	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S30	100YR-1HR	16895	16660	235
EX5S30	100YR-24HR	45936	45710	226
EX5S30	100YR-8HR	32568	32341	228
EX5S30	10YR-1HR	11515	11280	235
EX5S30	10YR-24HR	30071	29845	226
EX5S30	10YR-8HR	22828	22600	228
EX5S30	25YR-72HR	44407	44182	225

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S31	100YR-1HR	9346	9348	-3
EX5S31	100YR-24HR	25363	25363	0
EX5S31	100YR-8HR	17986	17986	0
EX5S31	10YR-1HR	6373	6373	0
EX5S31	10YR-24HR	16603	16603	0
EX5S31	10YR-8HR	12608	12609	0
EX5S31	25YR-72HR	24518	24521	-3

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S32	100YR-1HR	11285	11253	32
EX5S32	100YR-24HR	30627	30623	4
EX5S32	100YR-8HR	21719	21709	10
EX5S32	10YR-1HR	7696	7667	29
EX5S32	10YR-24HR	20049	20046	2
EX5S32	10YR-8HR	15225	15215	10
EX5S32	25YR-72HR	29606	29604	2

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S33	100YR-1HR	3174	3174	0
EX5S33	100YR-24HR	8614	8614	0
EX5S33	100YR-8HR	6108	6108	0
EX5S33	10YR-1HR	2164	2165	0
EX5S33	10YR-24HR	5639	5639	0
EX5S33	10YR-8HR	4282	4282	0
EX5S33	25YR-72HR	8327	8327	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
O401	100YR-1HR	446071	6	446065
O401	100YR-24HR	1721257	4	1721253
O401	100YR-8HR	1129966	5	1129961
O401	10YR-1HR	255912	5	255907
O401	10YR-24HR	1032332	5	1032328
O401	10YR-8HR	681098	5	681093

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
O401	25YR-72HR	1784519	24	1784495

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
O402	100YR-1HR	137758	0	137758
O402	100YR-24HR	460671	0	460671
O402	100YR-8HR	308302	0	308302
O402	10YR-1HR	83785	0	83784
O402	10YR-24HR	280202	0	280202
O402	10YR-8HR	200371	0	200371
O402	25YR-72HR	443090	0	443090

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND401	100YR-1HR	134962	0	134962
POND401	100YR-24HR	409252	181844	227409
POND401	100YR-8HR	283748	56371	227377
POND401	10YR-1HR	78471	0	78471
POND401	10YR-24HR	258146	30778	227368
POND401	10YR-8HR	194102	104	193998
POND401	25YR-72HR	400981	173789	227192

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 4E1	100YR-1HR	83682	83676	6
SWALE 4E1	100YR-24HR	269517	269537	-20
SWALE 4E1	100YR-8HR	181606	181618	-12
SWALE 4E1	10YR-1HR	52815	52815	1
SWALE 4E1	10YR-24HR	165442	165463	-21
SWALE 4E1	10YR-8HR	119646	119661	-16
SWALE 4E1	25YR-72HR	259333	259351	-18

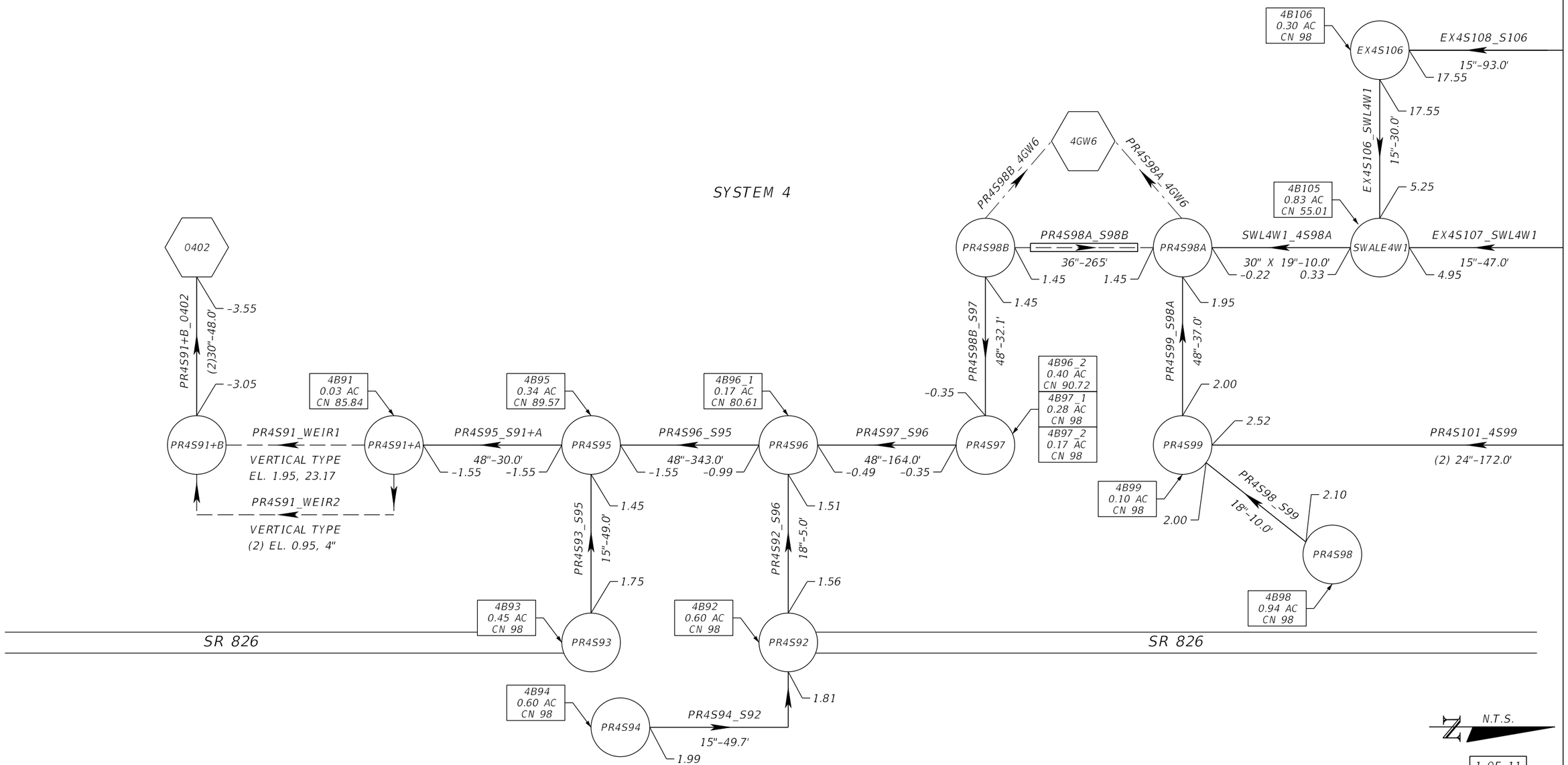
Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 4W1	100YR-1HR	24166	24192	-26
SWALE 4W1	100YR-24HR	79004	79037	-34
SWALE 4W1	100YR-8HR	52758	52789	-31
SWALE 4W1	10YR-1HR	15394	15423	-29
SWALE 4W1	10YR-24HR	47979	48013	-34
SWALE 4W1	10YR-8HR	34555	34588	-32
SWALE 4W1	25YR-72HR	75945	75975	-30

LEGEND

B-### #.## AC CN ##.# — CONTRIBUTING BASIN, BASIN NAME, BASIN AREA, CURVE NUMBER	NODE NAME — BOUNDARY NODE WITH CONSTANT TAILWATER	###-### ##"-###' #.## #.## — EXFILTRATION TRENCH LINK WITH SIZE-LENGTH, INVERT ELEVATION	####_WEIR VERTICAL TYPE EL. #.##, ## — WEIR LINK WITH WEIR TYPE, ELEVATION, WIDTH	###### CHANNEL ###' #.## #.## — CHANNEL LINK WITH LENGTH, INVERT ELEVATION
#-### — NODE NAME	PATRICIA LAKE — BOUNDARY NODE WITH VARIABLE TAILWATER	###-### (#)##"-###' #.## #.## — PIPE LINK WITH (QUANTITY)SIZE-LENGTH, INVERT ELEVATION	##_## — RATING CURVE LINK	

SYSTEM 4



1 OF 11

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

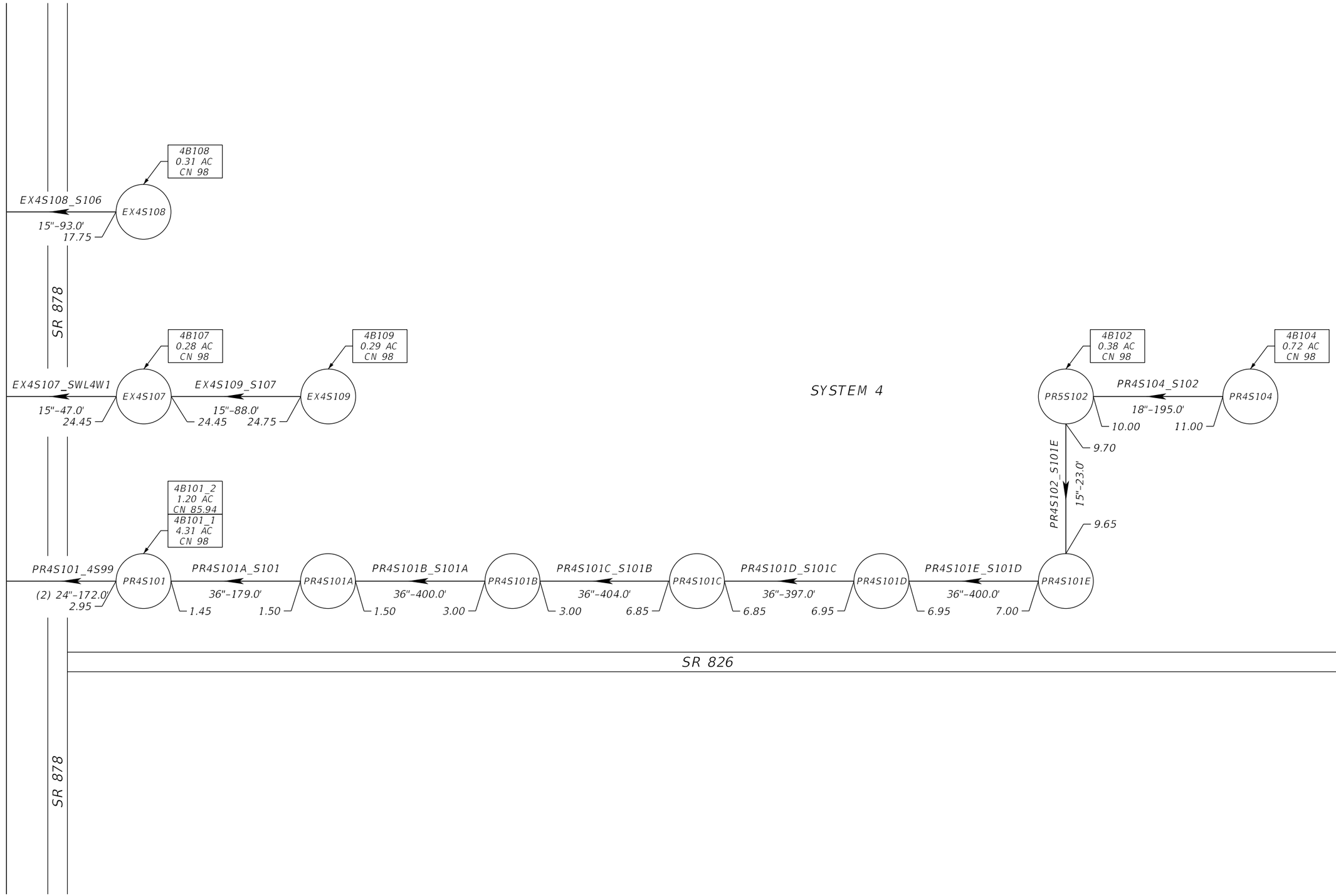
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-1

SYSTEM 4



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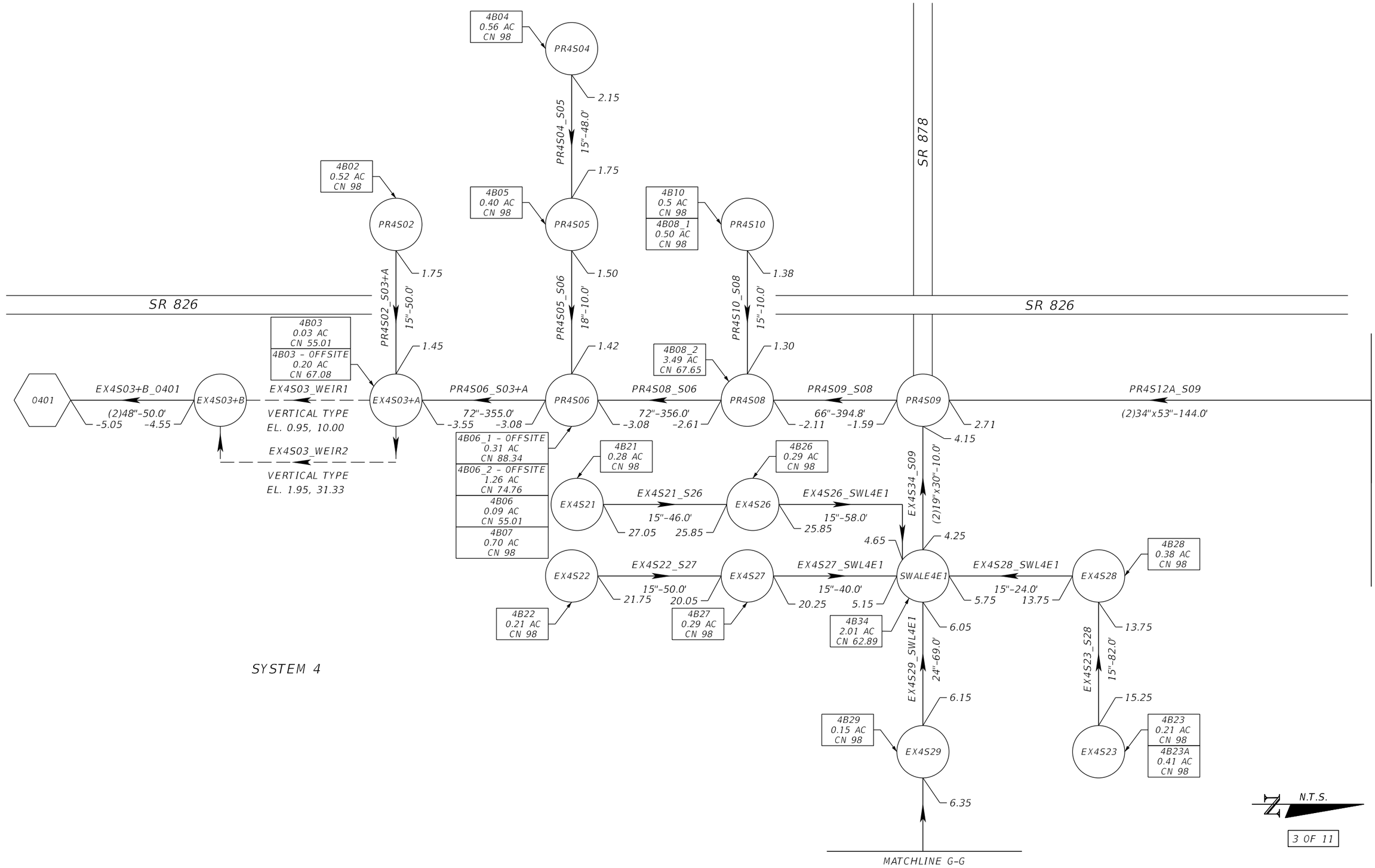
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-2



SYSTEM 4

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-3

SYSTEM 4

SW 78TH ST

SW 75TH ST

SR 826

MATCHLINE B-B

MATCHLINE C-C

4B12
2.98 AC
CN 98

PR4S12

6.00

PR4S12_S12A
18"-15.0'

5.95

PR4S12A_4GW7

4GW7

PR4S12B_4GW7

PR4S12A_S09
(2)34"x53"-144.0'
2.95

PR4S12A

1.45

PR4S12B_S12A
36"-400.0'
1.45

PR4S12B

4.49

PR4S14A_S12B
36"-200.0'
4.15

4B14-OFFSITE
1.76 AC
CN 59.08

PR4S14A

4.75

PR4S16A_S14A
36"-603.5'
4.85

PR4S16A

4.75

PR4S17C_S16A
36"-87.3'
4.85

PR4S17C

4.95

PR4S17B_S17C
36"-174.7'
5.35

PR4S17B

5.25

PR4S17A_S17B
36"-192.5'
5.30

PR4S17A

4.10

4B16
0.24 AC
CN 98

PR4S16

4.70

PR4S16_S16A
15"-2.0'

4.65

4B17
0.86 AC
CN 98

PR4S17

4.55

PR4S17_S17C
15"-2.0'

4.50

4B18
0.38 AC
CN 95.87

EX4S18

6.95

EX4S18_S17B
15"-40.0'

4.50

4B19
0.79 AC
CN 98

PR4S19

12.45

PR4S19_S17A
15"-65.0'

4.35

4B12-OFFSITE
3.93 AC
CN 66.87

2.95

EX4S11_S12A
18"-28.0'

2.95

4B11-OFFSITE
1.54 AC
CN 61.67

4B11
0.54 AC
CN 73.34

EX4S11

4.49

EX4S14_S14A
18"-64.0'

5.15

4B14
0.49 AC
CN 98

EX4S14

N.T.S.

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SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO.
NL-4

MATCHLINE I-I

4B46 0.44 AC CN 98 → EX4S46 (5.70 / 5.75)
CH4_3+SEC5 CHANNEL 82'
EX4S46 (5.68) → EX4S35
4B35 0.76 AC CN 68.36 → EX4S35
EX4S35_PND402 36"x24"-59.0'
EX4S35 (5.68 / 5.56) → POND402

4B47 0.12 AC CN 98 → EX4S47 (6.89)
EX4S47_S36 15"-33.0'
EX4S47 (6.69) → EX4S36

4B15 0.70 AC CN 98 → PR4S15
PR4S15_PND402 15"-7.0' (22.95 / 10.00)
PR4S15 → POND402
POND402 0.64 AC CN 55.01 → POND402
CH4_3+SEC2 CHANNEL 107'
POND402 (5.56 / 5.52) → EX4S36
EX4S36 (5.52 / 5.95) → EX4S64
EX4S64_S36 (2) 24"-106.0'
EX4S64 (6.15) → POND 403

SR 986 (SW 72ND ST)

4B63 2.01 AC CN 85.40
4B63-OFFSITE 5.48 AC CN 71.35 → 4GW8
PR4S63_4GW8
4GW8 → PR4S63A_4GW8
4B62 1.29 AC CN 98 → PR4S62
PR4S62 (5.00) → PR4S62_S63 48"-104.0' (4.50) → PR4S63
PR4S63 (1.45) → PR4S63A_S63 36"-400' (1.45) → PR4S63A
PR4S63A (5.00) → PR4S63A_S63A 18"-43.0' (7.00) → PR4S63B
PR4S63 (6.80) → PR4S63_PND403 24"-3.1' → POND 403
POND 403 0.58 AC CN 55.01 → POND 403
POND 403 (6.70) → EX4S75_PND403 15"-85.0' (15.95 / 22.45) → EX4S75
4B75 0.92 AC CN 98 → EX4S75
PR4S63A (7.95) → EX4S78_S63A 15"-57.0' (13.45) → EX4S78
4B78 0.52 AC CN 98 → EX4S78
POND 403 (6.25 / 6.15) → CH4_5+SEC2 CHANNEL 121" → EX4S64
POND 403 (6.22) → EX4S65_PND403 15"-7.0' (6.42) → PR4S65
4B65 0.04 AC CN 98 → PR4S65

SYSTEM 4

4B66 0.07 AC CN 98 → PR4S66
PR4S66 (6.53) → PR4S66_PND405 15"-22.9'

SR 826

4B48 0.14 AC CN 98 → EX4S48
EX4S48 (6.77) → EX4S48_PND404 15"-25.0'
EX4S36 (5.32) → EX4S36_PND404 48"-214.0'
EX4S48_PND404 (6.67)

4B49 0.54 AC CN 55.01 → EX4S49
CH4_2+SEC1 CHANNEL 515" (5.09)
EX4S49_CH4_2+A (5)30"-60.0' (5.09 / 5.23)
CH4_4+SEC1 CHANNEL 190" (5.23 / 5.32)
CH4_2+A (5.09) → CH4_2+SEC2 CHANNEL 135' → (5.42) → EX4S50A
4B50 0.93 AC CN 98 → EX4S50
EX4S50_S50A 18"-10.0' (5.42 / 5.47)
EX4S50A (5.45) → MATCHLINE H-H

POND 404 0.54 AC CN 55.01 → POND404
POND404 (5.45 / 5.50) → EX4S67_PND404 30"-110.0' → EX4S67
EX4S67 (5.55 / 5.55) → PND405_S67 30"-10.0' → POND405
POND404 (11.95) → PR4S20_PND404 15"-9.8' (22.95)
4B20 0.68 AC CN 98 → PR4S20

SR 986 (SW 72ND ST)

POND 405 0.69 AC CN 55.01 → POND405
POND405 (9.75) → EX4S76_PND405 15"-10.5' (22.45)
4B76 0.88 AC CN 98 → EX4S76

4B69-OFFSITE 1.46 AC CN 58.05 → EX4S69
POND405 (6.43) → EX4S69_PND405 30"-54.0' (5.55 / 5.65) → EX4S69
EX4S69 (7.45) → PR4S68_S69 18"-127.5' (7.55)
EX4S69 (5.65 / 5.75) → EX4S69+A_S69 (3)30"x19"-20.0' → EX4S69+A
EX4S69+A → EX4S69_WEIR HORIZONTAL TYPE EL. 7.95, 17.50
4B68 0.89 AC CN 98 → PR4S68

SR 826

MATCHLINE C-C

MATCHLINE D-D

N.T.S.

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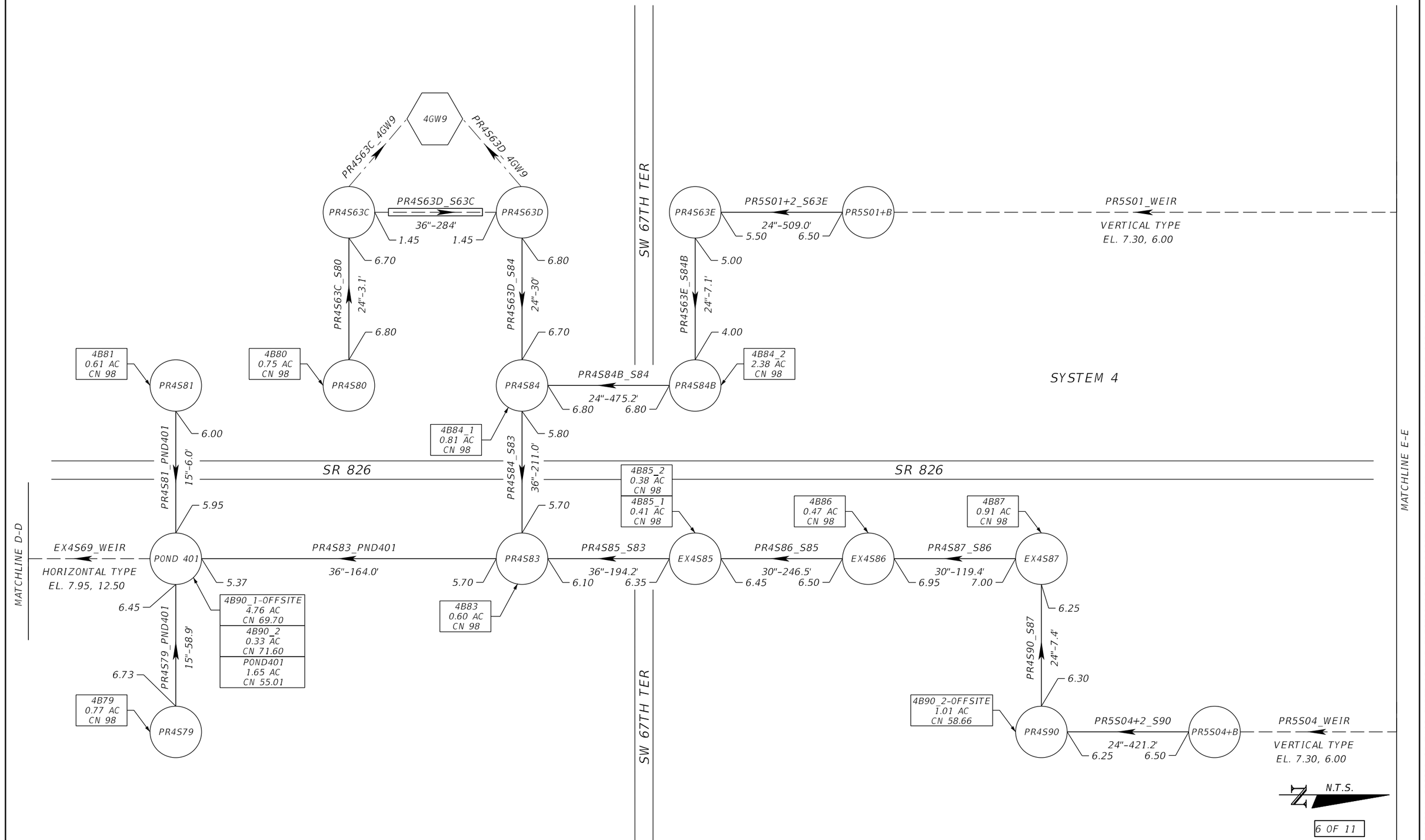
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-5



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SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-6

MATCHLINE E-E

SW 66TH ST

SR 826

MATCHLINE F-F

SYSTEM 5

5GW1

5GW2

5GW3

5GW4

5B01
0.23 AC
CN 66.76

5B05
0.41 AC
CN 63.35

5B09
0.41 AC
CN 67.62

5B15
0.34 AC
CN 68.63

5B21_1
0.42 AC
CN 81.06

5B21_2
0.30 AC
CN 82.09

PR5S01+A_5GW1

PR5S05_5GW1

PR5S05_5GW2

PR5S09_5GW2

PR5S09_5GW3

PR5S15_5GW3

PR5S15_5GW4

PR5S21_5GW4

PR5S04_WEIR
VERTICAL TYPE
EL. 7.30, 6.00

PR5S01+A

PR5S05_S01+A
24"-300.0'

PR5S05

PR5S09_S05
24"-300.0'

PR5S09

PR5S15_S09
24"-300.0'

PR5S15

PR5S21A_S15
24"-300.0'

PR5S21A

PR5S21B_S21A
24"-236.7'

PR5S21B

PR5S21C_S21B
30"-243.3'

1.45 1.45 | 1.45 1.45 | 1.45 1.45 | 1.45 1.45 | 1.45 1.45 | 4.35 5.35 | 5.35

PR5S02_S01+A
18"-33.0'

PR5S06_S05
18"-34.0'

PR5S10_S09
18"-35.0'

PR5S16_S15
18"-34.0'

PR5S22_S21A
24"-33.0'

PR5S24_S21B
24"-39.0'

2.45 4.35

PR5S02

PR5S06

PR5S10

PR5S16

PR5S22

PR5S24

5B02
0.41 AC
CN 98

5B06
0.70 AC
CN 98

5B10
0.70 AC
CN 98

5B16
1.05 AC
CN 98

5B22
0.58 AC
CN 98

5B24
0.58 AC
CN 98

5B03
0.40 AC
CN 98

5B07
0.69 AC
CN 98

5B11
0.52 AC
CN 98

5B13
0.62 AC
CN 98

PR5S03

PR5S07

PR5S11

PR5S13

PR5S03_S04+A
18"-7.1'

PR5S07_S08
18"-6.4'

PR5S11_S12
18"-15.5'

PR5S13_S14
18"-8.5'

2.45 4.35 | 5.05

POND501
0.57 AC
CN 55.01

PR5S04_WEIR
VERTICAL TYPE
EL. 7.30, 6.00

PR5S04+A

PR5S08_S04+A
24"-284.0'

PR5S08

PR5S12_S08
24"-284.0'

PR5S12

EX5S14_S12
30"-147.5'

PR5S14

PR5S14A_S14
24"-90.9'

PR5S14A

PR5S14_WEIR
HORIZONTAL TYPE
EL. 8.00, 6.00

POND 501

PR5S18_POND501
30"-49.3'

1.45 1.45 | 1.45 1.45 | 1.45 1.45 | 1.45 1.65 | 3.00 5.00 | 5.55

PR5S04+A_5GW5

PR5S08_5GW5

PR5S08_5GW6

PR5S12_5GW6

5B04_1
0.10 AC
CN 70.97

5B04_2
0.56 AC
CN 68.15

5B04-OFFSITE
0.95 AC
CN 65.94

5B08
0.19 AC
85.31

5B12
0.09 AC
CN 64.71

5GW5

5GW6

N.T.S.

7 OF 11

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

MATCHLINE C-C

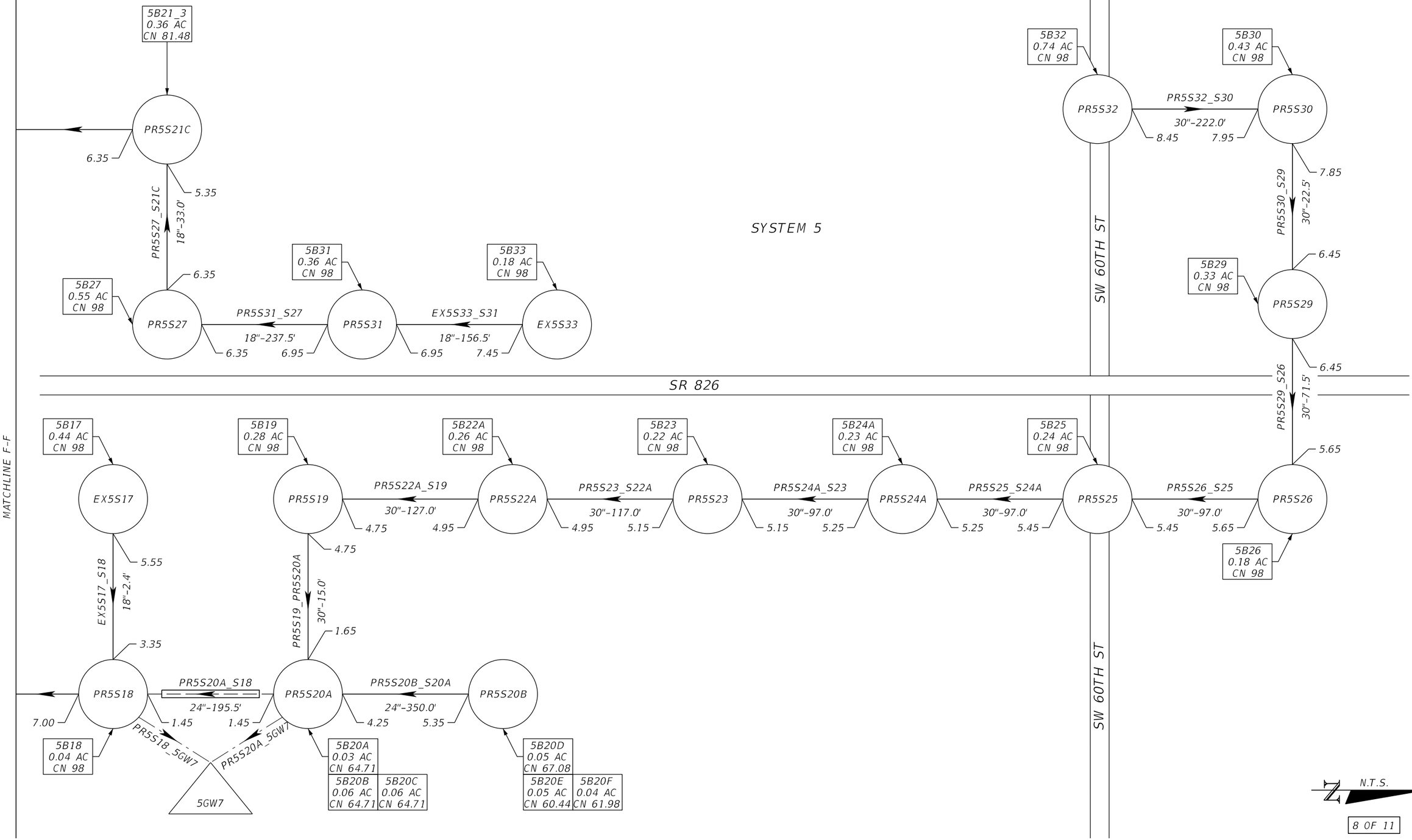
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO.
NL-7

SYSTEM 5



8 OF 11

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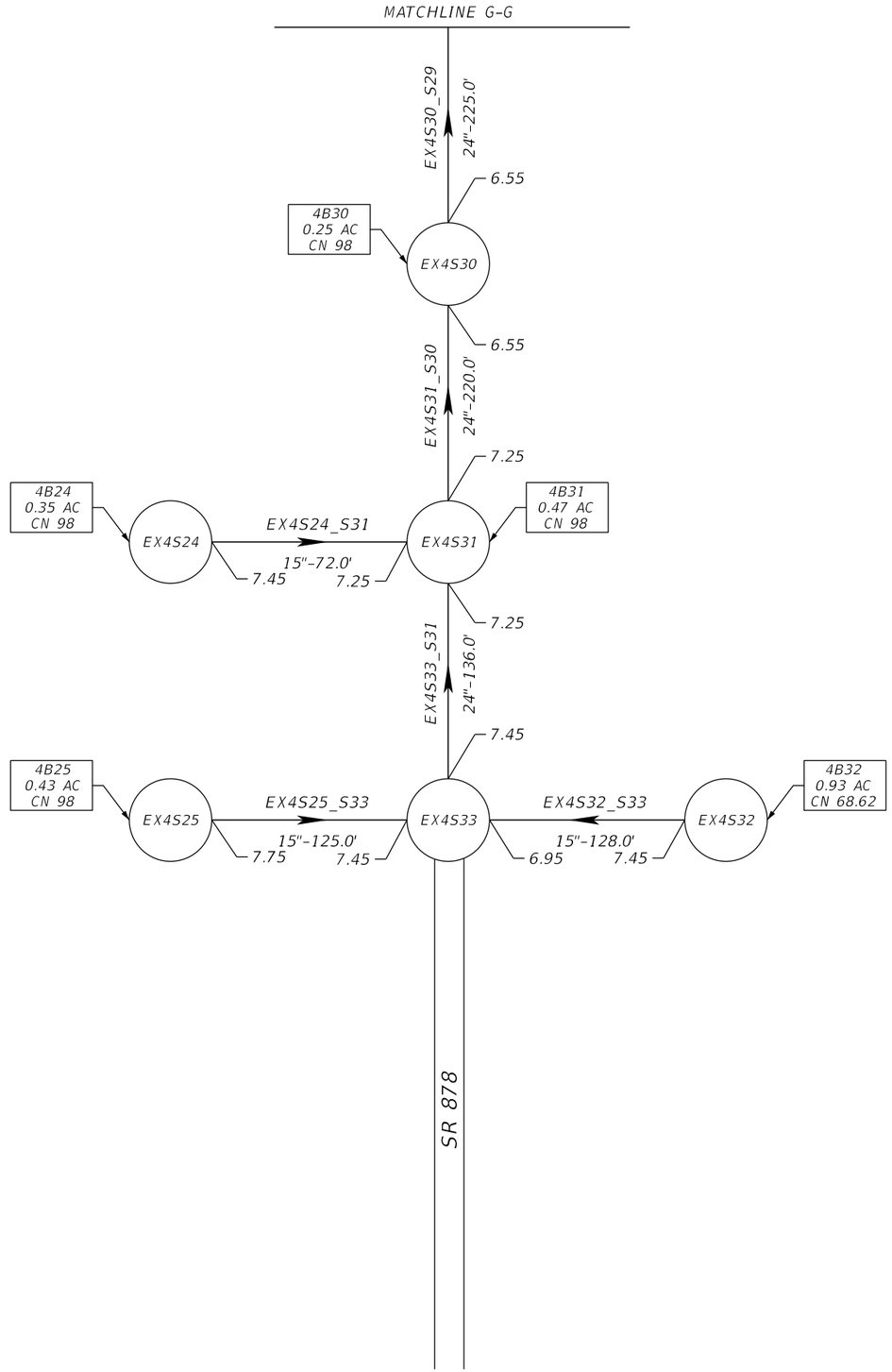
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-8

SYSTEM 4



N.T.S.

9 OF 11

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
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CERTIFICATE OF AUTHORIZATION 5620

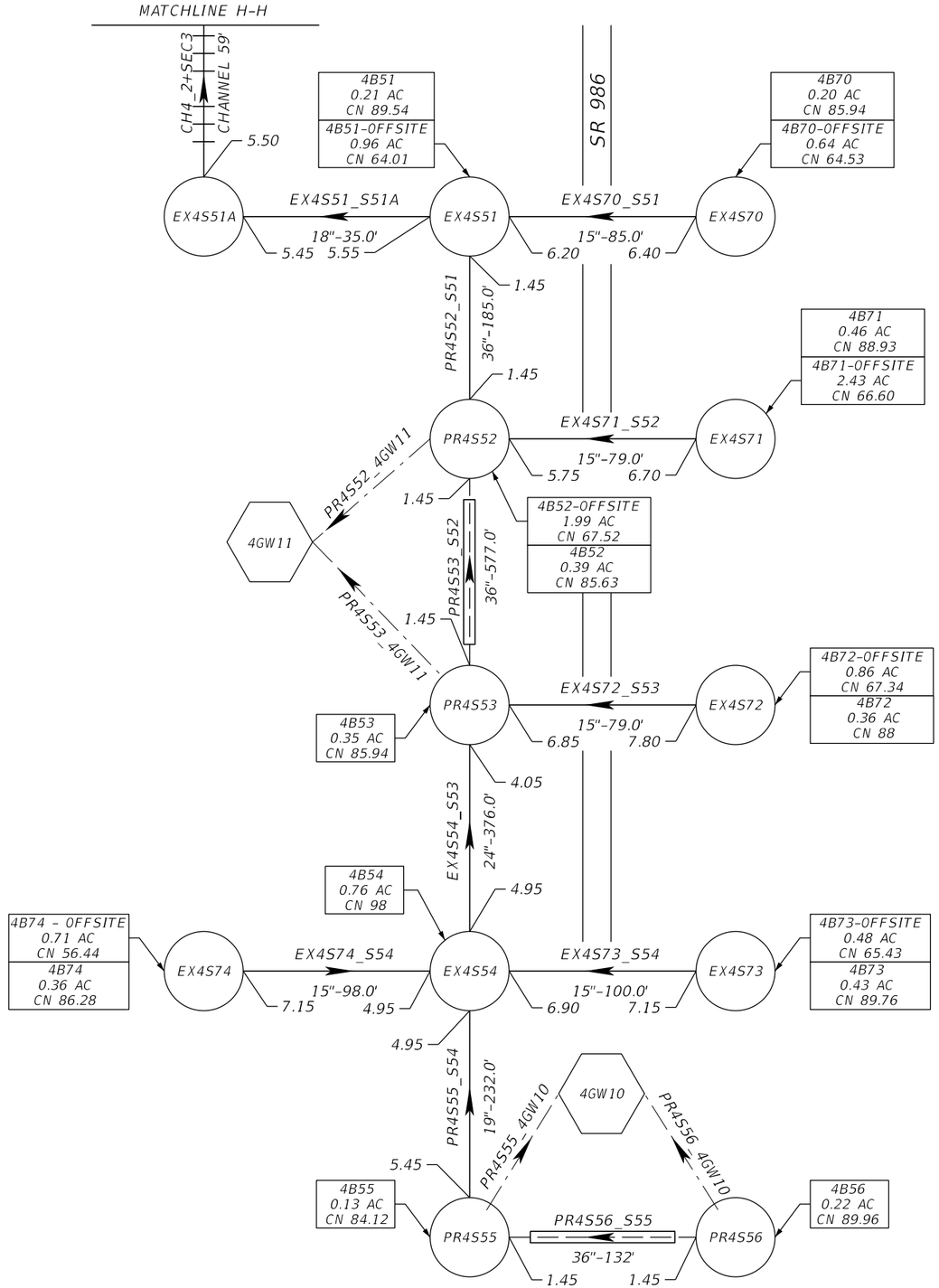
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-9

SYSTEM 4



10 OF 11

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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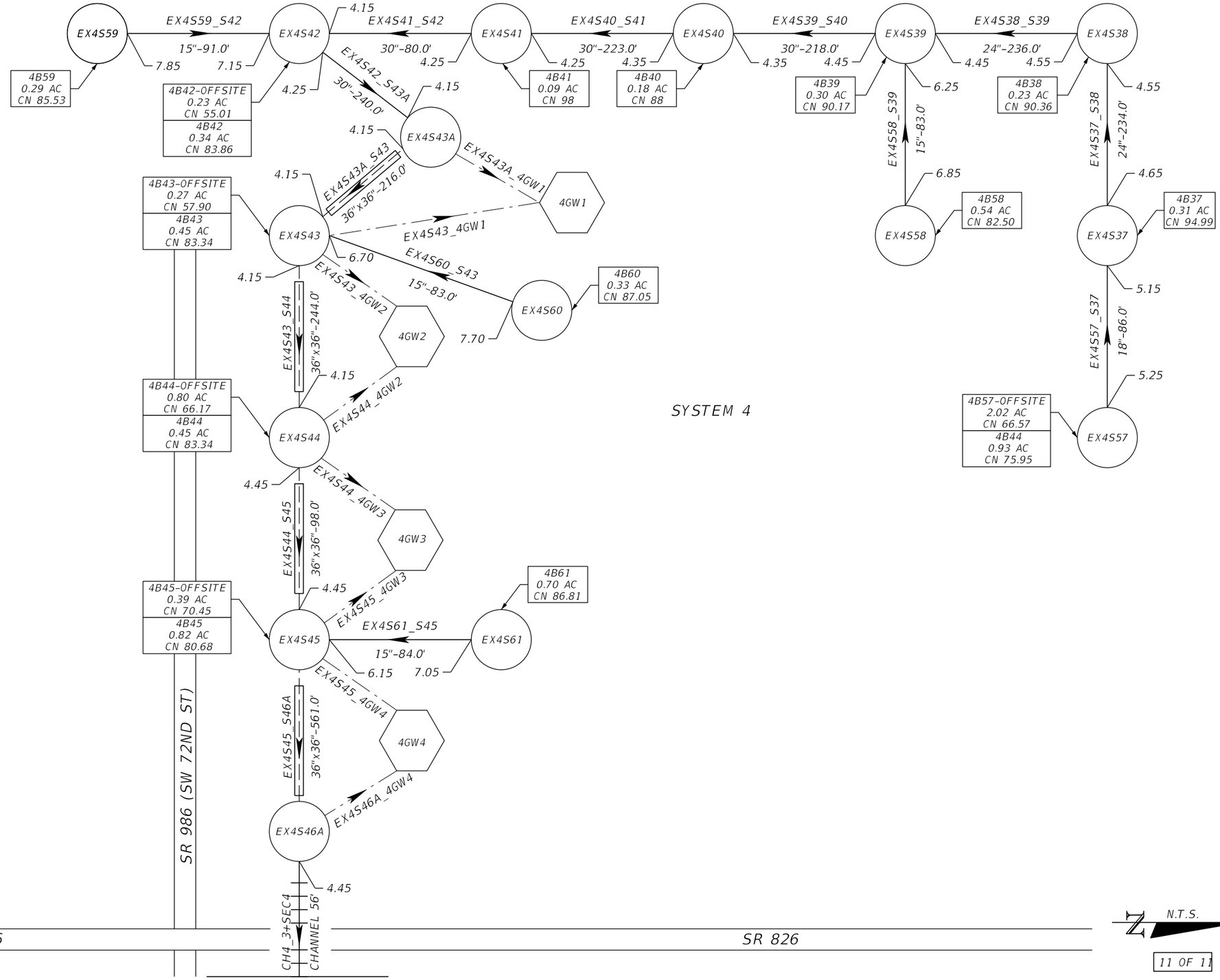
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO.
NL-10



11 OF 11

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-11

Simple Basin: 4B02

Scenario:	Scenario1
Node:	PR4S02
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B03

Scenario:	Scenario1
Node:	EX4S03+A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0300 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B03 - OFFSITE

Scenario:	Scenario1
Node:	EX4S03+A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2000 ac
Curve Number:	67.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Includes offsite area

Simple Basin: 4B04

Scenario:	Scenario1
Node:	PR4S04
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B05

Scenario:	Scenario1
Node:	PR4S05
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B06

Scenario:	Scenario1
Node:	PR4S06
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0900 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B06_1 - OFFSITE

Scenario:	Scenario1
Node:	PR4S06
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3100 ac
Curve Number:	88.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B06_2 - OFFSITE

Scenario:	Scenario1
Node:	PR4S06
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2600 ac
Curve Number:	74.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Includes offsite area

Simple Basin: 4B07

Scenario:	Scenario1
Node:	PR4S06
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B08_1

Scenario:	Scenario1
Node:	PR4S10
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B08_2

Scenario:	Scenario1
Node:	PR4S08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.4900 ac
Curve Number:	67.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B10

Scenario:	Scenario1
Node:	PR4S10
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B101_1

Scenario:	Scenario1
Node:	PR4S101
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.3100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B101_2

Scenario:	Scenario1
Node:	PR4S101
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2000 ac
Curve Number:	85.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B102

Scenario:	Scenario1
Node:	PR4S102
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B104

Scenario:	Scenario1
Node:	PR4S104
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B105

Scenario:	Scenario1
Node:	SWALE 4W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8300 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B106

Scenario:	Scenario1
Node:	EX4S106
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B107

Scenario:	Scenario1
Node:	EX4S107
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B108

Scenario:	Scenario1
Node:	EX4S108
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B109

Scenario:	Scenario1
Node:	EX4S109
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B11

Scenario:	Scenario1
Node:	EX4S11
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5400 ac
Curve Number:	73.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B11 - OFFSITE

Scenario:	Scenario1
Node:	EX4S11
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.5400 ac
Curve Number:	61.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B12

Scenario:	Scenario1
Node:	PR4S12
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.9800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B12-OFFSITE

Scenario:	Scenario1
Node:	PR4S12A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9300 ac
Curve Number:	66.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B14

Scenario:	Scenario1
Node:	EX4S14
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B14 - OFFSITE

Scenario:	Scenario1
Node:	PR4S14A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.7600 ac
Curve Number:	59.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B15

Scenario:	Scenario1
Node:	PR4S15
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B16

Scenario:	Scenario1
Node:	PR4S16
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B17

Scenario:	Scenario1
Node:	PR4S17
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B18

Scenario:	Scenario1
Node:	EX4S18
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3800 ac
Curve Number:	95.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B19

Scenario:	Scenario1
Node:	PR4S19
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B20

Scenario:	Scenario1
Node:	PR4S20
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B21

Scenario:	Scenario1
Node:	EX4S21
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B22

Scenario:	Scenario1
Node:	EX4S22
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B23

Scenario:	Scenario1
Node:	EX4S23
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B23A

Scenario:	Scenario1
Node:	EX4S23
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B24

Scenario:	Scenario1
Node:	EX4S24
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B25

Scenario:	Scenario1
Node:	EX4S25
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B26

Scenario:	Scenario1
Node:	EX4S26
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B27

Scenario:	Scenario1
Node:	EX4S27
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B28

Scenario:	Scenario1
Node:	EX4S28
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B29

Scenario:	Scenario1
Node:	EX4S29
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B30

Scenario:	Scenario1
Node:	EX4S30
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B31

Scenario:	Scenario1
Node:	EX4S31
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B32

Scenario:	Scenario1
Node:	EX4S32
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9300 ac
Curve Number:	68.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B34

Scenario:	Scenario1
Node:	SWALE 4E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.0100 ac
Curve Number:	62.9
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B35

Scenario:	Scenario1
Node:	EX4S35
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7600 ac
Curve Number:	68.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B37

Scenario:	Scenario1
Node:	EX4S37
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3100 ac
Curve Number:	95.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B38

Scenario:	Scenario1
Node:	EX4S38
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2300 ac
Curve Number:	90.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B39

Scenario:	Scenario1
Node:	EX4S39
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3000 ac
Curve Number:	90.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B40

Scenario:	Scenario1
Node:	EX4S40
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1800 ac
Curve Number:	88.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B41

Scenario:	Scenario1
Node:	EX4S41
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B42

Scenario:	Scenario1
Node:	EX4S42
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3400 ac
Curve Number:	83.9
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B42 - OFFSITE

Scenario:	Scenario1
Node:	EX4S42
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2300 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B43

Scenario:	Scenario1
Node:	EX4S43
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4500 ac
Curve Number:	83.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B43 - OFFSITE

Scenario:	Scenario1
Node:	EX4S43
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2700 ac
Curve Number:	57.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B44

Scenario:	Scenario1
Node:	EX4S44
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4500 ac
Curve Number:	83.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B44 - OFFSITE

Scenario:	Scenario1
Node:	EX4S44
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8000 ac
Curve Number:	66.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B45

Scenario:	Scenario1
Node:	EX4S45
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8200 ac
Curve Number:	80.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B45 - OFFSITE

Scenario:	Scenario1
Node:	EX4S45
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3900 ac
Curve Number:	70.5
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B46

Scenario:	Scenario1
Node:	EX4S46
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B47

Scenario:	Scenario1
Node:	EX4S47
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B48

Scenario:	Scenario1
Node:	EX4S48
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B50

Scenario:	Scenario1
Node:	EX4S50
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B51

Scenario:	Scenario1
Node:	EX4S51
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2100 ac
Curve Number:	89.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B51- OFFSITE

Scenario:	Scenario1
Node:	EX4S51
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9600 ac
Curve Number:	64.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B52

Scenario:	Scenario1
Node:	PR4S52
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3900 ac
Curve Number:	85.6
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B52 - OFFSITE

Scenario:	Scenario1
Node:	PR4S52
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.9900 ac
Curve Number:	67.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B53

Scenario:	Scenario1
Node:	PR4S53
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3500 ac
Curve Number:	85.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B54

Scenario:	Scenario1
Node:	EX4S54
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B55

Scenario:	Scenario1
Node:	PR4S55
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1300 ac
Curve Number:	84.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B56

Scenario:	Scenario1
Node:	PR4S56
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2200 ac
Curve Number:	90.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B57

Scenario:	Scenario1
Node:	EX4S57
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9300 ac
Curve Number:	76.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B57-OFFSITE

Scenario:	Scenario1
Node:	EX4S57
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.0200 ac
Curve Number:	66.6
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B58

Scenario:	Scenario1
Node:	EX4S58
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5400 ac
Curve Number:	82.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B59

Scenario:	Scenario1
Node:	EX4S59
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2900 ac
Curve Number:	85.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B60

Scenario:	Scenario1
Node:	EX4S60
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3300 ac
Curve Number:	87.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B61

Scenario:	Scenario1
Node:	EX4S61
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7000 ac
Curve Number:	86.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B62

Scenario:	Scenario1
Node:	PR4S62
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B63

Scenario:	Scenario1
Node:	PR4S63
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.0100 ac
Curve Number:	85.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B63 - OFFSITE

Scenario:	Scenario1
Node:	PR4S63
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.4800 ac
Curve Number:	71.4
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment: Includes offsite area

Simple Basin: 4B65

Scenario:	Scenario1
Node:	PR4S65
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B66

Scenario:	Scenario1
Node:	PR4S66
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B68

Scenario:	Scenario1
Node:	PR4S68
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B69-OFFSITE

Scenario:	Scenario1
Node:	EX4S69
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.4600 ac
Curve Number:	58.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Includes offsite area

Simple Basin: 4B70

Scenario:	Scenario1
Node:	EX4S70
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2000 ac
Curve Number:	85.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B70 - OFFSITE

Scenario:	Scenario1
Node:	EX4S70
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7000 ac
Curve Number:	63.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B71

Scenario:	Scenario1
Node:	EX4S71
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4600 ac
Curve Number:	88.9
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B71 - OFFSITE

Scenario:	Scenario1
Node:	EX4S71
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.4300 ac
Curve Number:	66.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B72

Scenario:	Scenario1
Node:	EX4S72
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3600 ac
Curve Number:	88.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B72 - OFFSITE

Scenario:	Scenario1
Node:	EX4S72
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8600 ac
Curve Number:	67.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B73

Scenario:	Scenario1
Node:	EX4S73
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4300 ac
Curve Number:	89.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B73 - OFFSITE

Scenario:	Scenario1
Node:	EX4S73
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4800 ac
Curve Number:	65.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B74

Scenario:	Scenario1
Node:	EX4S74
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3600 ac
Curve Number:	86.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B74 - OFFSITE

Scenario:	Scenario1
Node:	EX4S74
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7100 ac
Curve Number:	56.4
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment: Offsite Area

Simple Basin: 4B75

Scenario:	Scenario1
Node:	EX4S75
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B76

Scenario:	Scenario1
Node:	EX4S76
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B78

Scenario:	Scenario1
Node:	EX4S78
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B79

Scenario:	Scenario1
Node:	PR4S79
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B80

Scenario:	Scenario1
Node:	PR4S80
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B81

Scenario:	Scenario1
Node:	PR4S81
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B83

Scenario:	Scenario1
Node:	PR4S83
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B84_1

Scenario:	Scenario1
Node:	PR4S84
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B84_2

Scenario:	Scenario1
Node:	PR4S84B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.3800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B85_1

Scenario:	Scenario1
Node:	PR4S85
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B85_2

Scenario:	Scenario1
Node:	PR4S85
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B86

Scenario:	Scenario1
Node:	PR4S86
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B87

Scenario:	Scenario1
Node:	PR4S87
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B90_1-OFFSITE

Scenario:	Scenario1
Node:	POND401
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.7600 ac
Curve Number:	69.7
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B90_2

Scenario:	Scenario1
Node:	POND401
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3300 ac
Curve Number:	71.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B90_2-OFFSITE

Scenario:	Scenario1
Node:	PR4S90
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0100 ac
Curve Number:	58.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B91

Scenario:	Scenario1
Node:	PR4S91+A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B92

Scenario:	Scenario1
Node:	PR4S92
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B93

Scenario:	Scenario1
Node:	PR4S93
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B94

Scenario:	Scenario1
Node:	PR4S94
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B95

Scenario:	Scenario1
Node:	PR4S95
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3400 ac
Curve Number:	89.6
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B96_1

Scenario:	Scenario1
Node:	PR4S96
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1700 ac
Curve Number:	80.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B96_2

Scenario:	Scenario1
Node:	PR4S97
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4000 ac
Curve Number:	90.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B97_1

Scenario:	Scenario1
Node:	PR4S97
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B97_2

Scenario:	Scenario1
Node:	PR4S97
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B98

Scenario:	Scenario1
Node:	PR4S98
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 4B99

Scenario:	Scenario1
Node:	PR4S99
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B01

Scenario:	Scenario1
Node:	PR5S01+A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2300 ac
Curve Number:	66.8
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B02

Scenario:	Scenario1
Node:	PR5S02
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B03

Scenario:	Scenario1
Node:	PR5S03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B04-OFFSITE

Scenario:	Scenario1
Node:	PR5S04+A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9500 ac
Curve Number:	65.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B04_1

Scenario:	Scenario1
Node:	PR5S04+A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1000 ac
Curve Number:	71.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B04_2

Scenario:	Scenario1
Node:	PR5S04+A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5600 ac
Curve Number:	68.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B05

Scenario:	Scenario1
Node:	PR5S05
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4100 ac
Curve Number:	63.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B06

Scenario:	Scenario1
Node:	PR5S06
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B07

Scenario:	Scenario1
Node:	PR5S07
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B08

Scenario:	Scenario1
Node:	PR5S08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1900 ac
Curve Number:	85.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B09

Scenario:	Scenario1
Node:	PR5S09
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4100 ac
Curve Number:	67.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B10

Scenario:	Scenario1
Node:	PR5S10
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B11

Scenario:	Scenario1
Node:	PR5S11
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B12

Scenario:	Scenario1
Node:	PR5S12
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0900 ac
Curve Number:	64.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B13

Scenario:	Scenario1
Node:	PR5S13
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B15

Scenario:	Scenario1
Node:	PR5S15
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3400 ac
Curve Number:	68.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B16

Scenario:	Scenario1
Node:	PR5S16
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B17

Scenario:	Scenario1
Node:	EX5S17
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B18

Scenario:	Scenario1
Node:	PR5S18
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B19

Scenario:	Scenario1
Node:	PR5S19
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B20A

Scenario:	Scenario1
Node:	PR5S20A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0300 ac
Curve Number:	64.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B20B

Scenario:	Scenario1
Node:	PR5S20A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0600 ac
Curve Number:	64.7
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B20C

Scenario:	Scenario1
Node:	PR5S20A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0600 ac
Curve Number:	64.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B20D

Scenario:	Scenario1
Node:	PR5S20B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0500 ac
Curve Number:	67.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B20E

Scenario:	Scenario1
Node:	PR5S20B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0500 ac
Curve Number:	60.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B20F

Scenario:	Scenario1
Node:	PR5S20B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0400 ac
Curve Number:	62.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B21_1

Scenario:	Scenario1
Node:	PR5S21A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4200 ac
Curve Number:	81.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B21_2

Scenario:	Scenario1
Node:	PR5S21B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3000 ac
Curve Number:	82.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B21_3

Scenario:	Scenario1
Node:	PR5S21C
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3600 ac
Curve Number:	81.5
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B22

Scenario:	Scenario1
Node:	PR5S22
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B22A

Scenario:	Scenario1
Node:	PR5S22A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B23

Scenario:	Scenario1
Node:	PR5S23
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2200 ac
Curve Number:	96.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B24

Scenario:	Scenario1
Node:	PR5S24
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B24A

Scenario:	Scenario1
Node:	PR5S24A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B25

Scenario:	Scenario1
Node:	PR5S25
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B26

Scenario:	Scenario1
Node:	PR5S26
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B27

Scenario:	Scenario1
Node:	PR5S27
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B29

Scenario:	Scenario1
Node:	PR5S29
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B30

Scenario:	Scenario1
Node:	PR5S30
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B31

Scenario:	Scenario1
Node:	PR5S31
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B32

Scenario:	Scenario1
Node:	PR5S32
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 5B33

Scenario:	Scenario1
Node:	EX5S33
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND401

Scenario:	Scenario1
Node:	POND401
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.6500 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment: PREVIOUSLY 4B69

Simple Basin: POND402

Scenario:	Scenario1
Node:	POND402
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6400 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: PREVIOUSLY 4B36

Simple Basin: POND403

Scenario:	Scenario1
Node:	POND403
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5800 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: PREVIOUSLY 4B64

Simple Basin: POND404

Scenario:	Scenario1
Node:	POND404
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5400 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: PREVIOUSLY 4B49

Simple Basin: POND405

Scenario:	Scenario1
Node:	POND405
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6900 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: PREVIOUSLY 4B67

Simple Basin: POND501

Scenario:	Scenario1
Node:	POND501
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.5700 ac
Curve Number: 55.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Node: 4GW1

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 4GW10

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 4GW11

Scenario: Scenario1

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 4GW2

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 4GW3

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 4GW4

Scenario: Scenario1

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 4GW6

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 4GW7

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 4GW8

Scenario: Scenario1

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 4GW9

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 5GW1

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 5GW2

Scenario: Scenario1

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 5GW3

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 5GW4

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 5GW5

Scenario: Scenario1

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 5GW6

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 5GW7

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: CH4_2+A

Scenario: Scenario1

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.15 ft
Warning Stage: 10.09 ft

Stage [ft]	Area [ac]	Area [ft2]
4.15	0.0003	13
6.15	0.0003	13

Comment: Channel node

Node: EX4S03+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 5.45 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.55	0.0003	13
5.45	0.0003	13

Comment: S-77 Control Structure

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S03+B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 5.45 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.55	0.0003	13
5.45	0.0003	13

Comment: S-77 Control Structure

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S106

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.65 ft
Warning Stage: 24.00 ft

Stage [ft]	Area [ac]	Area [ft2]
17.65	0.0003	13
24.00	0.0003	13

Comment: Existing Structure 81A

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S107

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.65 ft
Warning Stage: 30.00 ft

Stage [ft]	Area [ac]	Area [ft2]
24.65	0.0003	13
30.00	0.0003	13

Comment: Existing Structure 79A

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S108

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.75 ft
Warning Stage: 21.00 ft

Stage [ft]	Area [ac]	Area [ft2]
17.75	0.0003	13
21.00	0.0003	13

Comment: Existing Structure 81 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S109

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.75 ft
Warning Stage: 28.00 ft

Stage [ft]	Area [ac]	Area [ft2]
24.75	0.0003	13
28.00	0.0003	13

Comment: Existing Structure 80 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S11

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.00 ft
Warning Stage: 10.25 ft

Stage [ft]	Area [ac]	Area [ft2]
9.00	0.0003	13
10.25	0.0003	13

Comment: HW for existing 18"

Node: EX4S14

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.50 ft
Warning Stage: 11.75 ft

Stage [ft]	Area [ac]	Area [ft2]
10.50	0.0001	4
11.75	0.0001	4

Comment:

Node: EX4S18

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.95 ft
Warning Stage: 12.28 ft

Stage [ft]	Area [ac]	Area [ft2]
6.95	0.0003	13
12.28	0.0003	13
12.29	0.0030	131

Comment: S-87

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S21

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 27.05 ft
Warning Stage: 30.00 ft

Stage [ft]	Area [ac]	Area [ft2]
27.05	0.0003	13
30.00	0.0003	13

Comment: Existing Structure 65 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S22

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 20.05 ft
Warning Stage: 24.00 ft

Stage [ft]	Area [ac]	Area [ft2]
20.05	0.0003	13
24.00	0.0003	13

Comment: Existing Structure 67

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S23

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.25 ft
Warning Stage: 19.00 ft

Stage [ft]	Area [ac]	Area [ft2]
15.25	0.0003	13
19.00	0.0003	13

Comment: Existing Structure 69 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S24

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.45 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.45	0.0003	13
11.00	0.0003	13

Comment: Existing Structure 74 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S25

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.75 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.75	0.0003	13
11.00	0.0003	13

Comment: Existing Structure 77 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S26

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.85 ft
Warning Stage: 28.00 ft

Stage [ft]	Area [ac]	Area [ft2]
25.85	0.0003	13
28.00	0.0003	13

Comment: Existing Structure 64 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S27

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.05 ft

Warning Stage: 23.00 ft

Stage [ft]	Area [ac]	Area [ft2]
20.05	0.0003	13
23.00	0.0003	13

Comment: Existing Structure 66 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S28

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.75 ft
Warning Stage: 18.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.75	0.0003	13
18.00	0.0003	13

Comment: Existing Structure 68 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S29

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.15 ft
Warning Stage: 16.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.15	0.0003	13
16.00	0.0003	13

Comment: Existing Structure 71 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S30

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.55 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.55	0.0003	13
14.00	0.0003	13

Comment: Existing Structure 73 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S31

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.25 ft
Warning Stage: 13.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.25	0.0003	13
13.00	0.0003	13

Comment: Existing Structure 74 (DS)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S32

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.75 ft
Warning Stage: 13.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.75	0.0003	13
13.00	0.0003	13

Comment: Existing Structure 76 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S33

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.95 ft
Warning Stage: 12.70 ft

Stage [ft]	Area [ac]	Area [ft2]
6.95	0.0003	13
12.70	0.0003	13

Comment: Existing Structure 77 and 76 (DS)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S35

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.68 ft
Warning Stage: 9.95 ft

Stage [ft]	Area [ac]	Area [ft2]
5.68	0.0001	4
7.68	0.0001	4

Comment: S-93

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S36

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 5.45 ft
Warning Stage: 9.52 ft

Stage [ft]	Area [ac]	Area [ft2]
5.45	0.0001	4
9.52	0.0001	4

Comment: S-99

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S37

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.65 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.65	0.0003	13
10.00	0.0003	13
10.20	0.3600	15682

Comment: Existing Structure 115 (DS)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S38

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.55 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.55	0.0003	13
10.00	0.0003	13
10.20	0.2600	11326

Comment: Existing Structure 117 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S39

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.45 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.45	0.0003	13
11.00	0.0003	13
11.20	0.3200	13939

Comment: Existing Structure 119 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S40

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.35 ft
Warning Stage: 12.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.35	0.0003	13
12.00	0.0003	13
12.20	0.1800	7841

Comment: Existing Structure 121 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S41

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 4.25 ft
Warning Stage: 12.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.25	0.0003	13
12.00	0.0003	13
12.20	0.1000	4356

Comment: Existing Structure 123 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S42

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.15 ft
Warning Stage: 13.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.15	0.0003	13
13.00	0.0003	13
13.20	0.5700	24829

Comment: Existing Structure 122 (DS)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S43

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.15 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.15	0.0021	91
7.15	0.0021	91
7.16	0.0003	13
11.00	0.0003	13
11.01	0.0031	135

Comment: Existing Structure b/t 124 & 126

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S43A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.15 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.15	0.0019	83
7.15	0.0019	83
7.16	0.0003	13
11.00	0.0003	13
11.01	0.0031	135

Comment:

Node: EX4S44

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.45 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.45	0.0008	35
7.45	0.0008	35
7.46	0.0003	13
11.00	0.0003	13
11.01	0.0031	135

Comment: Existing Structure 127

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S45

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.45 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.45	0.0048	209
7.45	0.0048	209
7.46	0.0003	13
11.00	0.0003	13
11.01	0.0031	135

Comment: Existing Structure b/t 127 & 129 (use 129)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S46

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 8.83 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
8.83	0.0003	13
8.84	0.0030	131

Comment: S-94

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S46A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.45 ft
Warning Stage: 10.90 ft

Stage [ft]	Area [ac]	Area [ft2]
4.45	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
10.90	0.0003	13
10.91	0.0030	131

Comment: S-94A

Node: EX4S47

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.90 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
9.90	0.0003	13
9.91	0.0030	131

Comment: S-100

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S48

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.98 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
9.98	0.0003	13
9.99	0.0030	131

Comment: S-96

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S49

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 5.23 ft
Warning Stage: 10.45 ft

Stage [ft]	Area [ac]	Area [ft2]
5.23	0.0001	4
7.73	0.0001	4

Comment: S-90

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S50

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 8.91 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.05	0.0003	13
8.91	0.0003	13
8.92	0.0030	131

Comment: S-91

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S50A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.42 ft
Warning Stage: 8.90 ft

Stage [ft]	Area [ac]	Area [ft2]
5.42	0.0003	13
8.90	0.0003	13

Comment: CHANNEL NODE

Node: EX4S51

Scenario: Scenario1

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.95 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.95	0.0003	13
11.00	0.0003	13
11.20	0.9600	41818

Comment: Existing Structure 142 (DS)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S51A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.45 ft
Warning Stage: 8.90 ft

Stage [ft]	Area [ac]	Area [ft2]
5.45	0.0003	13
8.90	0.0003	13
8.91	0.0030	131

Comment:

Node: EX4S54

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.95 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.95	0.0003	13
11.00	0.0003	13
11.20	0.6900	30056

Comment: Existing Structure b/t 133 & 136

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S57

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.25 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.25	0.0003	13
10.00	0.0003	13
10.20	2.9500	128502

Comment: Existing Structure 115 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S58

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.85 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.85	0.0003	13
11.00	0.0003	13
11.20	0.5400	23522

Comment: Existing Structure 118 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S59

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 7.85 ft
Warning Stage: 13.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.85	0.0003	13
13.00	0.0003	13
13.20	0.2900	12632

Comment: Existing Structure 122 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S60

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.70 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.70	0.0003	13
13.00	0.0003	13
11.20	0.3300	14375

Comment: Existing Structure 125 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S61

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.05 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.05	0.0003	13
12.00	0.0003	13
11.20	0.7000	30492

Comment: Existing Structure 128 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S64

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.15 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.15	0.0001	4
8.22	0.0001	4

Comment: S-101

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

WARNING STAGE TAKEN AT BERM ELEVATION

Node: EX4S67

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.50 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.50	0.0001	4
8.00	0.0001	4

Comment: S-97

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

WARNING STAGE TAKEN AT BERM ELEVATION

Node: EX4S69

Scenario: Scenario1

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.55 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.55	0.0001	4
8.15	0.0001	4

Comment: Upstream end of triple 30" pipe with D/S node S-106

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

WARNING STAGE TAKEN AT BERM ELEVATION

Node: EX4S69+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.75 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.75	0.0003	13
7.33	0.0003	13

Comment: S-107 Control Structure

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

WARNING STAGE TAKEN AT BERM ELEVATION

Node: EX4S70

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.40 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.40	0.0003	13
11.00	0.0003	13
11.20	0.9000	39204

Comment: Existing Structure 142 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S71

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.70 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.70	0.0003	13
11.00	0.0003	13
11.20	2.8900	125888

Comment: Existing Structure 140 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S72

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.80 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.80	0.0003	13
12.00	0.0003	13
11.20	1.2200	53143

Comment: Existing Structure 137 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S73

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.15 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.15	0.0003	13
11.00	0.0003	13
11.20	0.9000	39204

Comment: Existing Structure 135 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S74

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.15 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.15	0.0003	13
11.00	0.0003	13
11.20	1.0700	46609

Comment: Existing Structure 134 (US)

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: EX4S75

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 22.45 ft
Warning Stage: 26.12 ft

Stage [ft]	Area [ac]	Area [ft2]
22.45	0.0003	13
26.12	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
26.13	0.0030	131

Comment: S-109

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S76

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 22.45 ft
Warning Stage: 25.91 ft

Stage [ft]	Area [ac]	Area [ft2]
22.45	0.0003	13
25.91	0.0003	13
25.92	0.0030	131

Comment: S-108

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX4S78

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.45 ft
Warning Stage: 20.72 ft

Stage [ft]	Area [ac]	Area [ft2]
13.45	0.0003	13
20.72	0.0003	13
20.73	0.0030	131

Comment: S-110

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: EX5S17

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 5.55 ft
Warning Stage: 9.99 ft

Stage [ft]	Area [ac]	Area [ft2]
3.55	0.0003	12
9.99	0.0003	12
10.00	0.0000	1

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-17

Node: EX5S33

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.45 ft
Warning Stage: 12.66 ft

Stage [ft]	Area [ac]	Area [ft2]
5.45	0.0007	29
12.66	0.0003	12
12.67	0.0000	1

Comment: BWI on Bottom "J" (96"x44")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-33

Node: O401

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 3.45 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45

Year	Month	Day	Hour	Stage [ft]
0	0	0	96.0000	1.45

Comment: S-77

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: O402

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 3.45 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	96.0000	1.45

Comment: S-67

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: POND401

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.45 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.45	0.4700	20473
3.45	0.5100	22216
4.45	0.5500	23958
5.45	0.6000	26136
6.45	0.6500	28314
7.45	0.6900	30056
7.95	0.7200	31363
8.45	0.7400	32234
9.45	0.7800	33977
10.00	0.7400	32234

Comment: PROPOSED POND401

WARNING STAGE ASSUMED TO BE 0.5 FT ABOVE POND TOP

Permit No. 13-00791-S
Pond 8 Stage-Area

Node: POND402

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.3100	13504
6.00	0.3400	14810
7.00	0.3700	16117
8.00	0.4000	17424
9.00	0.4400	19166
10.00	0.4700	20473

Comment: PROPOSED POND 402

WARNING STAGE ASSUMED TO BE 0.5 FT ABOVE POND TOP

Node: POND403

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.1000	4356
6.00	0.1100	4792
7.00	0.1300	5663
8.00	0.1400	6098
9.00	0.1600	6970
10.00	0.1800	7841

Comment: PROPOSED POND 403

WARNING STAGE ASSUMED TO BE 0.5 FT ABOVE POND TOP

Node: POND404

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.1900	8276
6.00	0.2100	9148
7.00	0.2300	10019
8.00	0.2600	11326
9.00	0.2800	12197
10.00	0.3100	13504

Comment: PROPOSED POND 404

WARNING STAGE ASSUMED TO BE 0.5 FT ABOVE POND TOP

Node: POND405

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.1900	8276
6.00	0.2200	9583
7.00	0.2400	10454
8.00	0.2700	11761
9.00	0.2900	12632
10.00	0.3200	13939

Comment: PROPOSED POND 405

WARNING STAGE ASSUMED TO BE 0.5 FT ABOVE POND TOP

Node: POND501

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.2700	11761
6.00	0.2900	12632
7.00	0.3100	13504
8.00	0.3300	14375
9.00	0.3600	15682
10.00	0.3800	16553

Comment:

Node: PR4S02

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 10.90 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
10.90	0.0003	13
10.91	0.0030	131

Comment: S-77A

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S04

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 8.11 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
8.11	0.0003	13
8.12	0.0030	131

Comment: RELOCATION DUE TO ROAD WIDENING

S-80

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S05

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.12 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
7.12	0.0003	13
7.13	0.0030	131

Comment: RELOCATION DUE TO ROAD WIDENING

S-79

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S06

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 4.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.08	0.0003	13
4.95	0.0003	13

Comment: RELOCATION DUE TO ROAD WIDENING

S-78

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S08

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 5.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.61	0.0003	13
5.95	0.0003	13

Comment: RELOCATION DUE TO ROAD WIDENING

S-81

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S09

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 6.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.59	0.0003	13
6.95	0.0003	13

Comment: RELOCATION DUE TO ROAD WIDENING

S-83

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S10

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.03 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
7.03	0.0003	13
7.04	0.0030	131

Comment: RELOCATION DUE TO ROAD WIDENING

S-82

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S101

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.95 ft
Warning Stage: 8.01 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.55	0.0003	13
8.00	0.0003	13
8.01	0.0030	131

Comment: S-74

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S101A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.50 ft
Warning Stage: 8.15 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.50	0.0003	13
8.15	0.0003	13
8.16	0.0030	131

Comment: PROPOSED BWI

Node: PR4S101B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0003	13
9.00	0.0003	13
9.01	0.0030	131

Comment: PROPOSED BWI

Node: PR4S101C

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.85 ft
Warning Stage: 9.78 ft

Stage [ft]	Area [ac]	Area [ft2]
4.85	0.0003	13
9.78	0.0003	13
9.79	0.0030	131

Comment: PROPOSED BWI

WARNING STAGE TAKEN FROM SURVEY

Node: PR4S101D

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.95 ft
Warning Stage: 12.30 ft

Stage [ft]	Area [ac]	Area [ft2]
4.95	0.0003	13
12.30	0.0003	13
12.31	0.0030	131

Comment: PROPOSED BWI

WARNING STAGE TAKEN FROM SURVEY

Node: PR4S101E

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.00 ft
Warning Stage: 11.90 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.0003	13
11.90	0.0003	13
11.91	0.0030	131

Comment: PROPOSED BWI

WARNING STAGE TAKEN FROM SURVEY

Node: PR4S102

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.70 ft
Warning Stage: 12.64 ft

Stage [ft]	Area [ac]	Area [ft2]
9.70	0.0003	13
12.64	0.0003	13
12.65	0.0030	131

Comment: S-75

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S104

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.62 ft
Warning Stage: 16.95 ft

Stage [ft]	Area [ac]	Area [ft2]
10.62	0.0003	13
16.95	0.0003	13
16.96	0.0030	131

Comment: S-76

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S12

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.60 ft
Warning Stage: 9.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.60	0.0003	13
9.00	0.0003	13
9.01	0.0030	131

Comment: S-84

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S12A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.45 ft
Warning Stage: 8.20 ft

Stage [ft]	Area [ac]	Area [ft2]
4.45	0.0050	218
7.45	0.0050	218
7.46	0.0003	13
8.20	0.0003	13
8.21	0.0031	135

Comment: PROPOSED MANHOLE FOR FD

WARNING STAGE TAKEN AT SURFACE ELEVATION

Node: PR4S12B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.45 ft
Warning Stage: 8.20 ft

Stage [ft]	Area [ac]	Area [ft2]
4.45	0.0050	218
7.45	0.0050	218
7.46	0.0003	13
8.20	0.0003	13
8.21	0.0031	135

Comment: PROPOSED MANHOLE FOR FD

WARNING STAGE TAKEN AT SURFACE ELEVATION

Node: PR4S14A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.50 ft
Warning Stage: 11.75 ft

Stage [ft]	Area [ac]	Area [ft2]
10.50	0.0001	4
11.75	0.0001	4

Comment: Existing HW node

Node: PR4S15

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 22.50 ft
Warning Stage: 27.50 ft

Stage [ft]	Area [ac]	Area [ft2]
22.50	0.0003	13
27.50	0.0003	13
27.51	0.0030	131

Comment: S-92

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S16

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.70 ft
Warning Stage: 11.38 ft

Stage [ft]	Area [ac]	Area [ft2]
4.70	0.0003	13
11.38	0.0003	13
11.39	0.0030	131

Comment: S-85

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S16A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 8.50 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.0003	13
8.50	0.0003	13
8.51	0.0030	131

Comment:

Node: PR4S17

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.55 ft
Warning Stage: 11.51 ft

Stage [ft]	Area [ac]	Area [ft2]
4.55	0.0003	13
11.51	0.0003	13
11.52	0.0030	131

Comment: S-86

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S17A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 9.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.0003	13
9.00	0.0003	13
9.01	0.0030	131

Comment: DBI

Node: PR4S17B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 9.19 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.0003	13
9.19	0.0003	13
9.20	0.0030	131

Comment:

Node: PR4S17C

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 8.50 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.0003	13
8.50	0.0003	13
8.51	0.0030	131

Comment:

Node: PR4S19

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.45 ft
Warning Stage: 16.07 ft

Stage [ft]	Area [ac]	Area [ft2]
12.45	0.0003	13
16.07	0.0003	13
16.08	0.0030	131

Comment: S-88

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S20

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 22.95 ft
Warning Stage: 26.30 ft

Stage [ft]	Area [ac]	Area [ft2]
22.95	0.0003	13
26.30	0.0003	13
26.31	0.0030	131

Comment: S-89

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S52

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.95 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.95	0.0050	218
6.95	0.0050	218
6.96	0.0003	13
11.00	0.0003	13
11.01	0.0031	135

Comment: Existing Structure 140 (DS)
DS elevation of 139.

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: PR4S53

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.95 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.95	0.0050	218
6.95	0.0050	218
6.96	0.0003	13
11.00	0.0003	13
11.01	0.0031	135

Comment: Existing Structure b/t 136 & 138

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: PR4S55

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.45 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.45	0.0003	13
11.00	0.0003	13
11.20	0.1300	5663

Comment: Existing Structure 132

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: PR4S56

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.85 ft
Warning Stage: 9.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.85	0.0003	13
9.00	0.0003	13
9.20	0.2000	8712

Comment: South of Existing Structure 132. Elevation estimated.

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Warning stage set at average ground elevation.

Node: PR4S62

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.00 ft
Warning Stage: 9.20 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
9.20	0.0003	13
9.21	0.0030	131

Comment: S-103

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S63

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 9.30 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.0003	13
9.30	0.0003	13
9.31	0.0030	131

Comment: S-104

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S63A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 9.20 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.0003	13
9.20	0.0003	13
9.21	0.0030	131

Comment: D/S of 15" pipe from S-110

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S63B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.00 ft
Warning Stage: 10.13 ft

Stage [ft]	Area [ac]	Area [ft2]
6.00	0.0003	13
10.12	0.0003	13
10.13	0.0030	131

Comment:

Node: PR4S63C

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 9.25 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.0003	13
9.25	0.0003	13
9.26	0.0030	131

Comment:

Node: PR4S63D

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 3.00 ft
Warning Stage: 9.25 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.0003	13
9.25	0.0003	13
9.26	0.0030	131

Comment:

Node: PR4S63E

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.0003	13
10.00	0.0003	13
10.01	0.0030	131

Comment:

Node: PR4S65

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.90 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
9.90	0.0003	13
9.91	0.0030	131

Comment: S-102

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S66

Scenario: Scenario1

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.98 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
9.98	0.0003	13
9.99	0.0030	131

Comment: S-98

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S68

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.25 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
9.25	0.0003	13
9.26	0.0030	131

Comment: S-105

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S79

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.73 ft
Warning Stage: 15.24 ft

Stage [ft]	Area [ac]	Area [ft2]
6.73	0.0003	13
15.24	0.0003	13
15.25	0.0030	131

Comment: S-111

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S80

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.75 ft
Warning Stage: 12.87 ft

Stage [ft]	Area [ac]	Area [ft2]
6.75	0.0003	13
12.87	0.0003	13
12.88	0.0030	131

Comment: S-113

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S81

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.00 ft
Warning Stage: 11.22 ft

Stage [ft]	Area [ac]	Area [ft2]
6.00	0.0003	13
11.22	0.0003	13
11.23	0.0030	131

Comment: S-114

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S83

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.0003	13
10.00	0.0003	13
10.01	0.0030	131

Comment:

Node: PR4S84

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.70 ft
Warning Stage: 9.30 ft

Stage [ft]	Area [ac]	Area [ft2]
5.70	0.0003	13
9.30	0.0003	13
9.31	0.0030	131

Comment: S-115

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S84B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.0003	13
10.00	0.0003	13
10.01	0.0030	131

Comment:

Node: PR4S85

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.25 ft
Warning Stage: 9.45 ft

Stage [ft]	Area [ac]	Area [ft2]
6.25	0.0003	13
9.45	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
9.46	0.0030	131

Comment: S-118

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S86

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.50 ft
Warning Stage: 9.58 ft

Stage [ft]	Area [ac]	Area [ft2]
6.50	0.0003	13
9.58	0.0003	13
9.59	0.0030	131

Comment: S-119

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S87

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.00	0.0003	13
10.00	0.0003	13
10.01	0.0030	131

Comment: Existing Structure - information estimated

Node: PR4S90

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft

Warning Stage: 10.20 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.0003	13
10.20	0.0003	13
10.21	0.0030	131

Comment:

Node: PR4S91+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 4.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.05	0.0003	13
4.95	0.0003	13

Comment: S-67 Control Structure

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S91+B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 4.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.05	0.0003	13
4.95	0.0003	13

Comment: S-67 Control Structure

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S92

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 6.74 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
6.74	0.0003	13
6.75	0.0030	131

Comment: S-69

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S93

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 10.20 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
10.20	0.0003	13
10.21	0.0030	131

Comment: S-67A

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S94

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.99 ft
Warning Stage: 8.39 ft

Stage [ft]	Area [ac]	Area [ft2]
1.99	0.0003	13
8.39	0.0003	13
8.40	0.0030	131

Comment: S-70

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S95

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 4.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.55	0.0003	13
4.95	0.0003	13

Comment: S-67B

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S96

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 4.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.99	0.0003	13
4.95	0.0003	13

Comment: S-68

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S97

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 6.44 ft

Stage [ft]	Area [ac]	Area [ft2]
0.44	0.0003	13
6.44	0.0003	13
6.45	0.0030	131

Comment:

Node: PR4S98

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 5.85 ft

Stage [ft]	Area [ac]	Area [ft2]
0.33	0.0003	13
5.85	0.0003	13

Comment: S-73

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR4S98A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.40 ft

Stage [ft]	Area [ac]	Area [ft2]
1.15	0.0050	218
4.15	0.0050	218
4.16	0.0003	13
7.40	0.0003	13
7.41	0.0030	131

Comment: PROPOSED MANHOLE FOR FD

WARNING STAGE TAKEN AT SURFACE ELEVATION

Node: PR4S98B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 6.70 ft

Stage [ft]	Area [ac]	Area [ft2]
1.15	0.0050	218
4.15	0.0050	218
4.16	0.0003	13
6.70	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
6.71	0.0030	131

Comment: PROPOSED MANHOLE FOR FD

WARNING STAGE TAKEN AT SURFACE ELEVATION

Node: PR4S99

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 6.70 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.22	0.0003	13
6.70	0.0003	13
6.71	0.0030	131

Comment: S-71

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: PR5S01+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 10.70 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.30	0.0036	157
8.70	0.0036	157
8.80	0.0003	13
10.70	0.0003	13
10.71	0.0030	131

Comment: BWI

WARNING STAGE TAKEN AT GRATE ELEVATION

FIRST HALF OF CONTROL STRUCTURE

Node: PR5S01+B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 10.70 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.30	0.0036	157
8.70	0.0036	157
8.80	0.0003	13
10.70	0.0003	13
10.71	0.0030	131

Comment: BWI

WARNING STAGE TAKEN AT GRATE ELEVATION

SECOND HALF OF CONTROL STRUCTURE

Node: PR5S02

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.35 ft
Warning Stage: 9.79 ft

Stage [ft]	Area [ac]	Area [ft2]
2.35	0.0003	12
9.79	0.0003	12
9.80	0.0000	1

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-02

Node: PR5S03

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.35 ft
Warning Stage: 9.79 ft

Stage [ft]	Area [ac]	Area [ft2]
2.35	0.0003	12
9.79	0.0003	12
9.80	0.0000	1

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-03

Node: PR5S04+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 11.65 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.35	0.0036	157
9.65	0.0036	157
9.75	0.0003	13
11.65	0.0003	13
11.66	0.0030	131

Comment: BWI

WARNGING STAGE TAKEN AT GRATE ELEVATION

FIRST HALF OF CONTROL STRUCTURE

Node: PR5S04+B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 11.65 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.35	0.0036	157
9.65	0.0036	157
9.75	0.0003	13
11.65	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
11.66	0.0030	131

Comment: BWI

WARNGING STAGE TAKEN AT GRATE ELEVATION

SECOND HALF OF CONTROL STRUCTURE

Node: PR5S05

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 10.70 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.30	0.0036	157
8.70	0.0036	157
8.80	0.0003	13
10.70	0.0003	13
10.71	0.0030	131

Comment: BWI

WARNING STAGE TAKEN AT GRATE ELEVATION

Node: PR5S06

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.35 ft
Warning Stage: 9.87 ft

Stage [ft]	Area [ac]	Area [ft2]
2.35	0.0003	12
9.87	0.0003	12
9.88	0.0000	1

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-06

Node: PR5S07

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.13 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	12
9.13	0.0003	12
9.14	0.0000	1

Comment: BWI

WARNING STAGE TAKEN FROM GRATE ELEVATION

Node: PR5S08

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 10.82 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.18	0.0036	157
8.82	0.0036	157
8.92	0.0003	13
10.82	0.0003	13
10.83	0.0030	131

Comment: BWI

WARNING STAGE TAKEN AT GRATE ELEVATION

Node: PR5S09

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 10.08 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.92	0.0036	157
8.08	0.0036	157
8.18	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
10.08	0.0003	13
10.09	0.0030	131

Comment: BWI

WARNING STAGE TAKEN AT GRATE ELEVATION

Node: PR5S10

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.35 ft
Warning Stage: 9.93 ft

Stage [ft]	Area [ac]	Area [ft2]
2.35	0.0003	12
9.93	0.0003	12
9.94	0.0000	1

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-10

Node: PR5S11

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.35 ft
Warning Stage: 9.93 ft

Stage [ft]	Area [ac]	Area [ft2]
2.35	0.0003	12
9.93	0.0003	12
9.94	0.0000	1

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-11

Node: PR5S12

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.20 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.80	0.0036	157
7.20	0.0036	157
7.30	0.0003	13
9.20	0.0003	13
9.21	0.0030	131

Comment: BWI

WARNING STAGE TAKEN AT GRATE ELEVATION

Node: PR5S13

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.05 ft
Warning Stage: 9.95 ft

Stage [ft]	Area [ac]	Area [ft2]
3.05	0.0003	12
9.95	0.0003	12
9.96	0.0000	1

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-13

Node: PR5S14

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.65 ft
Warning Stage: 9.75 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.35	0.0003	13
9.75	0.0003	13
9.76	0.0000	1

Comment: MANHOLE

WARNING STAGE TAKEN FROM RIM ELEVATION

Node: PR5S14A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.0003	13
8.00	0.0003	13
8.01	0.0030	131

Comment: DBI

Node: PR5S15

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 10.40 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.60	0.0029	126
8.40	0.0029	126
8.50	0.0003	13
10.40	0.0003	13
10.41	0.0030	131

Comment: BWI

WARNING STAGE TAKEN AT GRATE ELEVATION

Node: PR5S16

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.35 ft
Warning Stage: 9.98 ft

Stage [ft]	Area [ac]	Area [ft2]
2.35	0.0003	12
9.98	0.0003	12
9.99	0.0000	1

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-16

Node: PR5S18

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.56	0.0023	100
7.44	0.0023	100
7.54	0.0003	13
9.43	0.0003	13
9.44	0.0030	131

Comment: BWI

WARNING STAGE TAKEN AT GRATE ELEVATION

Node: PR5S19

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.75 ft
Warning Stage: 10.47 ft

Stage [ft]	Area [ac]	Area [ft2]
2.75	0.0006	26

Stage [ft]	Area [ac]	Area [ft2]
10.47	0.0003	12
10.48	0.0000	1

Comment: RELOCATED DUE TO ROAD WIDENING

BWI on Bottom "J" (84"x44")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-19

Node: PR5S20A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.60 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.40	0.0003	13
9.60	0.0003	13
9.61	0.0000	1

Comment: DBI TYPE "D"
Inlet located in SWALE E

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-20

Node: PR5S20B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.35 ft
Warning Stage: 9.40 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0003	13
9.40	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
9.41	0.0000	1

Comment: BWI

Node: PR5S21A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.79 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.21	0.0036	157
7.79	0.0036	157
7.89	0.0003	13
9.79	0.0003	13
9.80	0.0030	131

Comment: BWI

WARNING STAGE TAKEN AT GRATE ELEVATION

Node: PR5S21B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.25 ft
Warning Stage: 9.94 ft

Stage [ft]	Area [ac]	Area [ft2]
2.45	0.0003	13
9.94	0.0003	13
9.95	0.0030	131

Comment: BWI

WARNING STAGE TAKEN AT GRATE ELEVATION

Node: PR5S21C

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 4.35 ft
Warning Stage: 9.33 ft

Stage [ft]	Area [ac]	Area [ft2]
2.45	0.0003	13
9.33	0.0003	13
9.34	0.0030	131

Comment: BWI

WARNING STAGE TAKEN AT GRATE ELEVATION

Node: PR5S22

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.35 ft
Warning Stage: 10.42 ft

Stage [ft]	Area [ac]	Area [ft2]
2.35	0.0003	12
10.42	0.0003	12
10.43	0.0000	1

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-03

Node: PR5S22A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.95 ft
Warning Stage: 10.67 ft

Stage [ft]	Area [ac]	Area [ft2]
2.95	0.0006	26
10.67	0.0003	12
10.68	0.0000	1

Comment: RELOCATED DUE TO ROAD WIDENING

BWI on Bottom "J" (84"x44")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-22A

Node: PR5S23

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.15 ft
Warning Stage: 10.87 ft

Stage [ft]	Area [ac]	Area [ft2]
3.15	0.0007	29
10.87	0.0003	12
10.88	0.0000	1

Comment: RELOCATED DUE TO ROAD WIDENING

BWI on Bottom "J" (96"x44")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-23

Node: PR5S24

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.35 ft
Warning Stage: 10.95 ft

Stage [ft]	Area [ac]	Area [ft2]
3.35	0.0007	29
10.95	0.0003	12
10.96	0.0000	1

Comment: BWI on Bottom "J" (96"x44")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-24

Node: PR5S24A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.25 ft
Warning Stage: 11.06 ft

Stage [ft]	Area [ac]	Area [ft2]
4.50	0.0006	26
11.06	0.0003	12
11.07	0.0000	1

Comment: RELOCATED DUE TO ROAD WIDENING

BWI on Bottom "J" (84"x44")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-24A

Node: PR5S25

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.45 ft
Warning Stage: 11.28 ft

Stage [ft]	Area [ac]	Area [ft2]
3.45	0.0006	26
11.28	0.0006	26
11.29	0.0001	3

Comment: RELOCATED DUE TO ROAD WIDENING

BWI on Bottom "J" (84"x44")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-25

Node: PR5S26

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.65 ft
Warning Stage: 11.55 ft

Stage [ft]	Area [ac]	Area [ft2]
3.65	0.0006	26
11.55	0.0003	12
11.56	0.0000	1

Comment: RELOCATED DUE TO ROAD WIDENING

BWI on Bottom "J" (84"x44")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-26

Node: PR5S27

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.35 ft
Warning Stage: 11.54 ft

Stage [ft]	Area [ac]	Area [ft2]
4.35	0.0007	29
11.54	0.0003	12
11.55	0.0000	1

Comment: BWI on Bottom "J" (96"x44")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-27

Node: PR5S29

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.45 ft

Warning Stage: 11.74 ft

Stage [ft]	Area [ac]	Area [ft2]
4.45	0.0006	26
11.74	0.0003	12
11.75	0.0000	1

Comment: RELOCATED DUE TO ROAD WIDENING

BWI on Bottom "J" (84"x44")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-29

Node: PR5S30

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.95 ft
Warning Stage: 12.45 ft

Stage [ft]	Area [ac]	Area [ft2]
5.95	0.0003	12
12.45	0.0003	12
12.46	0.0000	1

Comment: RELOCATED DUE TO ROAD WIDENING

BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-30

Node: PR5S31

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.95 ft
Warning Stage: 12.31 ft

Stage [ft]	Area [ac]	Area [ft2]
4.95	0.0007	29
12.31	0.0003	12
12.32	0.0000	1

Comment: BWI on Bottom "J" (96"x44")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-31

Node: PR5S32

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.45 ft
Warning Stage: 13.06 ft

Stage [ft]	Area [ac]	Area [ft2]
6.45	0.0003	12
13.06	0.0003	12
13.07	0.0000	1

Comment: RELOCATED DUE TO ROAD WIDENING

BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 1S-32

Node: SWALE 4E1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.45 ft
Warning Stage: 8.17 ft

Stage [ft]	Area [ac]	Area [ft2]
4.45	0.4800	20909
8.17	0.9200	40075

Comment: S-83A

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Node: SWALE 4W1	
Scenario:	Scenario1
Type:	Stage/Area
Base Flow:	0.00 cfs
Initial Stage:	4.75 ft
Warning Stage:	7.45 ft

Stage [ft]	Area [ac]	Area [ft2]
4.75	0.1300	5663
7.45	0.3300	14375

Comment: S-73A

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Channel Link: CH4_2+SEC1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.09 ft	Invert:	4.10 ft
From Node:	CH4_2+A	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	PR4S17A	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	515.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.10	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 5' bottom width ditch at 0.05%
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Channel Link: CH4_2+SEC2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.42 ft	Invert:	5.09 ft
From Node:	EX4S50A	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	CH4_2+A	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	0.00 ft	Bottom Width:	0.00 ft
Length:	135.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.10	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH4_2+SEC3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.50 ft	Invert:	5.45 ft
From Node:	EX4S51A	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	EX4S50A	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	0.00 ft	Bottom Width:	0.00 ft
Length:	59.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.10	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH4_3+SEC2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.56 ft	Invert:	5.52 ft
From Node:	POND402	Manning's N:	0.0450	Manning's N:	0.0450

		Upstream		Downstream	
To Node:	EX4S36	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	6.00 ft	Bottom Width:	6.00 ft
Length:	107.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.10	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH4_3+SEC4		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.45 ft	Invert:	5.70 ft
From Node:	EX4S46A	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	EX4S46	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	0.00 ft	Bottom Width:	0.00 ft
Length:	56.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.10	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH4_3+SEC5		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.75 ft	Invert:	5.68 ft
From Node:	EX4S46	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	EX4S35	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal

Damping:	0.0000 ft	Bottom Width:	0.00 ft	Bottom Width:	0.00 ft
Length:	82.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.10	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH4_4+SEC1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.32 ft	Invert:	5.23 ft
From Node:	POND404	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	EX4S49	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	12.00 ft	Bottom Width:	12.00 ft
Length:	190.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.10	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH4_5+SEC2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.25 ft	Invert:	6.15 ft
From Node:	POND403	Manning's N:	0.0450	Manning's N:	0.0450
To Node:	EX4S64	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	6.00 ft	Bottom Width:	6.00 ft
Length:	121.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)

Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.10	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX4S03+B_O401		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-4.55 ft	Invert:	-5.05 ft
From Node:	EX4S03+B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	O401	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: dual 48" pipes D/S of S-77

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Weir Link: EX4S03_WEIR1			
Scenario:	Scenario1	Bottom Clip	
From Node:	EX4S03+A	Default:	0.00 ft
To Node:	EX4S03+B	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	0.95 ft	Discharge Coefficients	
Control Elevation:	0.95 ft	Weir Default:	2.800
Max Depth:	3.83 ft	Weir Table:	
Max Width:	10.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment: Rectangular Weir Slot

Weir Link: EX4S03_WEIR2			
Scenario:	Scenario1	Bottom Clip	
From Node:	EX4S03+A	Default:	0.00 ft
To Node:	EX4S03+B	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	1.95 ft	Discharge Coefficients	
Control Elevation:	1.95 ft	Weir Default:	2.800
Max Depth:	2.83 ft	Weir Table:	
Max Width:	31.33 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EX4S106_SWL4W1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	17.55 ft	Invert:	5.25 ft
From Node:	EX4S106	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 4W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX4S107_SWL4W1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	24.45 ft	Invert:	4.95 ft
From Node:	EX4S107	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 4W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	47.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX4S108_S106		Upstream		Downstream	
Scenario:	Scenario1	Invert:	17.75 ft	Invert:	17.55 ft
From Node:	EX4S108	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S106	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	93.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 81 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S109_S107		Upstream		Downstream	
Scenario:	Scenario1	Invert:	24.75 ft	Invert:	24.45 ft
From Node:	EX4S109	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S107	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	88.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 80 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S10_S08		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.38 ft	Invert:	1.30 ft
From Node:	PR4S10	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S08	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-82 and S-81

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S11_S12A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.95 ft	Invert:	2.95 ft
From Node:	EX4S11	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S12A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	28.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing 18" - Pipe information estimated

Pipe Link: EX4S14_S14A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.15 ft	Invert:	4.49 ft
From Node:	EX4S14	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S14A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	64.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX4S18_S17B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.95 ft	Invert:	4.50 ft
From Node:	EX4S18	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S17B	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-87

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S21_S26		Upstream		Downstream	
Scenario:	Scenario1	Invert:	27.05 ft	Invert:	25.85 ft
From Node:	EX4S21	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S26	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 65 to 64
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S22_S27		Upstream		Downstream	
Scenario:	Scenario1	Invert:	21.75 ft	Invert:	20.05 ft
From Node:	EX4S22	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S27	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 67 to 66
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S23_S28		Upstream		Downstream	
Scenario:	Scenario1	Invert:	15.25 ft	Invert:	13.75 ft
From Node:	EX4S23	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S28	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	82.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 69 to 68
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S24_S31		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.45 ft	Invert:	7.25 ft
From Node:	EX4S24	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S31	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	72.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 74 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S25_S33		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.75 ft	Invert:	7.45 ft
From Node:	EX4S25	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S33	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	125.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 77 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S26_SWL4E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	25.85 ft	Invert:	4.65 ft
From Node:	EX4S26	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 4E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	58.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 64 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S27_SWL4E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	20.25 ft	Invert:	5.15 ft
From Node:	EX4S27	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 4E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 66 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S28_SWL4E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	13.75 ft	Invert:	5.75 ft
From Node:	EX4S28	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 4E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	24.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 68 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S29_SWL4E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.15 ft	Invert:	6.05 ft
From Node:	EX4S29	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 4E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	69.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 71 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S30_S29		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.55 ft	Invert:	6.35 ft
From Node:	EX4S30	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S29	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	225.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 73 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S31_S30		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.25 ft	Invert:	6.55 ft
From Node:	EX4S31	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S30	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	220.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 74 DS to 73 US
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S32_S33		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.45 ft	Invert:	6.95 ft
From Node:	EX4S32	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S33	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	128.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 76 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S33_S31		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.45 ft	Invert:	7.25 ft
From Node:	EX4S33	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S31	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	136.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 77 DS to 74 DS.
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S35_POND402		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.68 ft	Invert:	5.56 ft
From Node:	EX4S35	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND402	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	59.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 38" x 24" pipe D/S of S-93

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S36_PND404		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.52 ft	Invert:	5.32 ft
From Node:	EX4S36	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND404	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	214.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: FD Connection
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX4S37_S38		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.65 ft	Invert:	4.55 ft
From Node:	EX4S37	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S38	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	234.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 115 DS to 117 US
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S38_S39		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.55 ft	Invert:	4.45 ft
From Node:	EX4S38	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S39	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	236.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 117 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S39_S40		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.45 ft	Invert:	4.35 ft
From Node:	EX4S39	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S40	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	218.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 119 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S40_S41		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.35 ft	Invert:	4.25 ft
From Node:	EX4S40	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S41	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	223.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 121 US to 122 DS (elevations used are 121 US to DS)
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S41_S42		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.25 ft	Invert:	4.15 ft
From Node:	EX4S41	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S42	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	80.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 122 DS to 123 US (elevations used are 123 US to DS)
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S42_S43A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.25 ft	Invert:	4.15 ft
From Node:	EX4S42	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S43A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	240.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 124 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Rating Curve Link: EX4S43A_4GW1

Scenario: Scenario1
From Node: EX4S43A
To Node: 4GW1
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX4S43A_4GW1	1.45	EX4S43A	1.45	EX4S43A

Comment:

Pipe Link: EX4S43A_S43

Scenario: Scenario1
From Node: EX4S43A
To Node: EX4S43
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 216.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	4.15 ft	Invert:	4.15 ft
Manning's N:	0.0300	Manning's N:	0.0300
Geometry: Rectangular		Geometry: Rectangular	
Max Depth:	3.00 ft	Max Depth:	3.00 ft
Max Width:	3.00 ft	Max Width:	3.00 ft
Fillet:	0.00 ft	Fillet:	0.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX4S43_4GW1

Scenario: Scenario1
From Node: EX4S43
To Node: 4GW1
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX4S43_4GW1	1.45	EX4S43	1.45	EX4S43

Comment:

Rating Curve Link: EX4S43_4GW2

Scenario: Scenario1
From Node: EX4S43
To Node: 4GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX4S43_4GW2	1.45	EX4S43	1.45	EX4S43

Comment:

Pipe Link: EX4S43_S44		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.15 ft	Invert:	4.15 ft
From Node:	EX4S43	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	EX4S44	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	244.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 126 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Rating Curve Link: EX4S44_4GW2

Scenario: Scenario1
From Node: EX4S44
To Node: 4GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX4S44_4GW2	1.45	EX4S44	1.45	EX4S44

Comment:

Rating Curve Link: EX4S44_4GW3

Scenario: Scenario1
From Node: EX4S44
To Node: 4GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX4S44_4GW3	1.45	EX4S44	1.45	EX4S44

Comment:

Pipe Link: EX4S44_S45		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.45 ft	Invert:	4.45 ft
From Node:	EX4S44	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	EX4S45	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	98.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 127 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Rating Curve Link: EX4S45_4GW3

Scenario: Scenario1
From Node: EX4S45
To Node: 4GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX4S45_4GW3	1.45	EX4S45	1.45	EX4S45

Comment:

Rating Curve Link: EX4S45_4GW4

Scenario: Scenario1
From Node: EX4S45
To Node: 4GW4
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX4S45_4GW4	1.45	EX4S45	1.45	EX4S45

Comment:

Pipe Link: EX4S45_S46A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.45 ft	Invert:	4.45 ft
From Node:	EX4S45	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	EX4S46A	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	561.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 129 US to 131 DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Rating Curve Link: EX4S46A_4GW4

Scenario: Scenario1
From Node: EX4S46A
To Node: 4GW4
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX4S46A_4GW4	1.45	EX4S46A	1.45	EX4S46A

Comment:

Pipe Link: EX4S47_S36	Upstream	Downstream

		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.89 ft	Invert:	6.69 ft
From Node:	EX4S47	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S36	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	33.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe between S-100 and S-99

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S48_PND404		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.77 ft	Invert:	6.67 ft
From Node:	EX4S48	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND404	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	25.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe between S-96 and S-95

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S49_CH4_2+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.23 ft	Invert:	5.09 ft
From Node:	EX4S49	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH4_2+A	Geometry: Circular		Geometry: Circular	
Link Count:	5	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	60.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 5 - 30" pipes D/S of S-90

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S50_S50A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.47 ft	Invert:	5.42 ft
From Node:	EX4S50	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S50A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX4S51_S51A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.55 ft	Invert:	5.45 ft
From Node:	EX4S51	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S51A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	35.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 142 DS to 144 DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S54_S53		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.95 ft	Invert:	4.05 ft
From Node:	EX4S54	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S53	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	376.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 133 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S57_S37		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.25 ft	Invert:	5.15 ft
From Node:	EX4S57	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S37	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	86.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structures 115 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S58_S39		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.85 ft	Invert:	6.25 ft
From Node:	EX4S58	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S39	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	83.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 118 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S59_S42		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.85 ft	Invert:	7.15 ft
From Node:	EX4S59	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S42	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	91.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 122 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S60_S43		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.70 ft	Invert:	6.70 ft
From Node:	EX4S60	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S43	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	83.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 125 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S61_S45		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.05 ft	Invert:	6.15 ft
From Node:	EX4S61	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S45	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	84.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 128 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S64_S36		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.15 ft	Invert:	5.95 ft
From Node:	EX4S64	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S36	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	2	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	106.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: dual 38" x 24" pipes between S-101 and S-99

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S67_POND404		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.50 ft	Invert:	5.45 ft
From Node:	EX4S67	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND404	Geometry:	Circular	Geometry:	Circular
Link Count:	3	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	110.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: triple 30" pipes between S-97 and S-95

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S69+A_S69		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.75 ft	Invert:	5.65 ft
From Node:	EX4S69+A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S69	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	3	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	20.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: triple 30" x 19" pipes D/S of S-107

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S69_POND405		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.65 ft	Invert:	5.55 ft
From Node:	EX4S69	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND405	Geometry: Circular		Geometry: Circular	
Link Count:	3	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	54.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: triple 30" pipe U/S of S-106

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Weir Link: EX4S69_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	POND401	Default:	0.00 ft
To Node:	EX4S69+A	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	7.95 ft	Discharge Coefficients	
Control Elevation:	7.95 ft	Weir Default:	2.800
Max Depth:	12.50 ft	Weir Table:	
Max Width:	17.50 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment: S-107 Control Structure - Horizontal Weir

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S70_S51		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.40 ft	Invert:	6.20 ft
From Node:	EX4S70	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S51	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	85.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 142 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S71_S52		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.70 ft	Invert:	5.75 ft

From Node:	EX4S71	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S52	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	79.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 140 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S72_S53		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.80 ft	Invert:	6.85 ft
From Node:	EX4S72	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S53	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	79.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 137 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S73_S54		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.15 ft	Invert:	6.90 ft
From Node:	EX4S73	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S54	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	100.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 135 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S74_S54		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.15 ft	Invert:	4.95 ft
From Node:	EX4S74	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S54	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	98.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 134 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S75_PND403		Upstream		Downstream	
Scenario:	Scenario1	Invert:	22.45 ft	Invert:	15.95 ft
From Node:	EX4S75	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND403	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	85.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-109

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S76_POND405		Upstream		Downstream	
Scenario:	Scenario1	Invert:	22.45 ft	Invert:	9.75 ft
From Node:	EX4S76	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND405	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-108

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX4S78_S63A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	13.45 ft	Invert:	7.95 ft
From Node:	EX4S78	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S63A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	57.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-110

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: EX5S17_S18		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.55 ft	Invert:	3.55 ft
From Node:	EX5S17	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S18	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	2.40 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX5S18_PND501		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.00 ft	Invert:	5.55 ft
From Node:	PR5S18	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND501	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	49.28 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX5S33_S31		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.45 ft	Invert:	6.95 ft
From Node:	EX5S33	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S31	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	156.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe

FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PND405_S67		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.55 ft	Invert:	5.55 ft
From Node:	POND405	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S67	Geometry: Circular		Geometry: Circular	
Link Count:	3	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR4S02_S03+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.75 ft	Invert:	1.45 ft
From Node:	PR4S02	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S03+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-77A and S-77

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S04_S05		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.15 ft	Invert:	1.75 ft
From Node:	PR4S04	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S05	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	48.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" Pipe between S-80 and S-79

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S05_S06		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.50 ft	Invert:	1.42 ft
From Node:	PR4S05	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S06	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 18" Pipe between S-79 and S-78

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S06_S03+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-3.08 ft	Invert:	-3.55 ft
From Node:	PR4S06	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S03+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	6.00 ft	Max Depth:	6.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	355.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 72" Pipe between S-78 and S-77

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S08_S06		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.61 ft	Invert:	-3.08 ft
From Node:	PR4S08	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S06	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	6.00 ft	Max Depth:	6.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	356.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 72" Pipe between S-81 and S-78

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S09_S08		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-1.59 ft	Invert:	-2.11 ft
From Node:	PR4S09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S08	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	5.50 ft	Max Depth:	5.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	394.80 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 66" pipe between S-83 and S-81

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S101A_S101		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.50 ft	Invert:	1.45 ft
From Node:	PR4S101A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S101	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	179.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR4S101B_S101A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.00 ft	Invert:	1.50 ft
From Node:	PR4S101B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S101A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	400.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR4S101C_S101B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.85 ft	Invert:	3.00 ft
From Node:	PR4S101C	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S101B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	404.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR4S101D_S101C		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.95 ft	Invert:	6.85 ft
From Node:	PR4S101D	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S101C	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	397.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR4S101E_S101D		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.00 ft	Invert:	6.95 ft
From Node:	PR4S101E	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S101D	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	400.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR4S101_4S99		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.95 ft	Invert:	2.52 ft

From Node:	PR4S101	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S99	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	172.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: dual 24" pipe between S-74 and S-73

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S102_S101E		Upstream		Downstream	
Scenario:	Scenario1	Invert:	9.70 ft	Invert:	9.65 ft
From Node:	PR4S102	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S101E	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	23.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-75

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S104_S102		Upstream		Downstream	
Scenario:	Scenario1	Invert:	11.00 ft	Invert:	10.00 ft
From Node:	PR4S104	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S102	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	195.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR4S12A_4GW7

Scenario: Scenario1
From Node: PR4S12A
To Node: 4GW7
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR4S12A_4GW7	1.45	PR4S12A	1.45	PR4S12A

Comment:

Pipe Link: PR4S12A_S09

		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.95 ft	Invert:	2.71 ft
From Node:	PR4S12A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S09	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	2	Max Depth:	2.83 ft	Max Depth:	2.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	144.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: dual 53" x 34" pipes between S-83 and S-84

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Rating Curve Link: PR4S12B_4GW7

Scenario: Scenario1
From Node: PR4S12B
To Node: 4GW7

Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR4S12B_4GW7	1.45	PR4S12B	1.45	PR4S12B

Comment:

Pipe Link: PR4S12B_S12A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	PR4S12B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S12A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	400.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR4S12_S12A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.00 ft	Invert:	5.95 ft
From Node:	PR4S12	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S12A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR4S14A_S12B	Upstream	Downstream

Scenario:	Scenario1	Invert:	4.15 ft	Invert:	4.49 ft
From Node:	PR4S14A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S12B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	200.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 83 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S15_POND402		Upstream		Downstream	
Scenario:	Scenario1	Invert:	22.95 ft	Invert:	10.00 ft
From Node:	PR4S15	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND402	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	7.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-92

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S16A_S14A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.85 ft	Invert:	4.75 ft
From Node:	PR4S16A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S14A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	603.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR4S16_S16A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.70 ft	Invert:	4.65 ft
From Node:	PR4S16	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S16A	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	2.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-85

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S17A_S17B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.30 ft	Invert:	5.25 ft
From Node:	PR4S17A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S17B	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	192.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR4S17B_S17C		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.35 ft	Invert:	4.95 ft
From Node:	PR4S17B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S17C	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	174.70 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR4S17C_S16A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.85 ft	Invert:	4.75 ft
From Node:	PR4S17C	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S16A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	87.30 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR4S17_S17C		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.55 ft	Invert:	4.50 ft
From Node:	PR4S17	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S17C	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	2.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-86

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S19_S17A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	12.45 ft	Invert:	4.35 ft
From Node:	PR4S19	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S17A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	65.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-88

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S20_POND404		Upstream		Downstream	
Scenario:	Scenario1	Invert:	22.95 ft	Invert:	11.95 ft
From Node:	PR4S20	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND404	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	9.80 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-89

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Rating Curve Link: PR4S52_4GW11

Scenario: Scenario1
From Node: PR4S52
To Node: 4GW11
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR4S52_4GW11	1.45	PR4S52	1.45	PR4S52

Comment:

Pipe Link: PR4S52_S51

Scenario: Scenario1
From Node: PR4S52
To Node: EX4S51
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 185.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	1.45 ft	Invert:	1.45 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	3.00 ft	Max Depth:	3.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: Within Existing Structure 139 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Rating Curve Link: PR4S53_4GW11

Scenario: Scenario1
From Node: PR4S53
To Node: 4GW11
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR4S53_4GW11	1.45	PR4S53	1.45	PR4S53

Comment:

Pipe Link: PR4S53_S52

Scenario: Scenario1

Upstream		Downstream	
Invert:	1.45 ft	Invert:	1.45 ft

From Node:	PR4S53	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S52	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	577.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Within Existing Structure 136 US to DS and 138 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Rating Curve Link: PR4S55_4GW10

Scenario:	Scenario1
From Node:	PR4S55
To Node:	4GW10
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR4S55_4GW10	1.45	PR4S55	1.45	PR4S55

Comment:

Pipe Link: PR4S55_S54		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.45 ft	Invert:	4.95 ft
From Node:	PR4S55	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S54	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	232.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure 132 US to DS
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Rating Curve Link: PR4S56_4GW10	
Scenario:	Scenario1
From Node:	PR4S56
To Node:	4GW10
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR4S56_4GW10	1.45	PR4S56	1.45	PR4S56

Comment:

Pipe Link: PR4S56_S55		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	PR4S56	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S55	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	132.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing Structure south of 132 to 132 US. (US invert elevation estimated).
(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S62_S63		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	4.50 ft
From Node:	PR4S62	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S63	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	104.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR4S63A_4GW8

Scenario: Scenario1
From Node: PR4S63A
To Node: 4GW8
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR4S63A_4GW8	1.45	PR4S63A	1.45	PR4S63A

Comment:

Pipe Link: PR4S63A_S63		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	PR4S63A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S63	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	400.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR4S63B_S63A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.00 ft	Invert:	5.00 ft
From Node:	PR4S63B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S63A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	43.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR4S63C_4GW9

Scenario: Scenario1
From Node: PR4S63C
To Node: 4GW9
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR4S63C_4GW9	1.45	PR4S63C	1.45	PR4S63C

Comment:

Pipe Link: PR4S63C_S80		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.80 ft	Invert:	6.70 ft
From Node:	PR4S63C	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S80	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	3.10 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR4S63D_4GW9

Scenario: Scenario1
From Node: PR4S63D
To Node: 4GW9
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR4S63D_4GW9	1.45	PR4S63E	1.45	PR4S63E

Comment:

Pipe Link: PR4S63D_S63C		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	PR4S63D	Manning's N:	0.0120	Manning's N:	0.0120

To Node:	PR4S63C	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	310.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR4S63D_S84		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.80 ft	Invert:	6.70 ft
From Node:	PR4S63D	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S84	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR4S63E_S63D		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.45 ft	Invert:	6.35 ft
From Node:	PR4S63E	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S63D	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	474.85 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

	Manning's N: 0.0000		Manning's N: 0.0000

Comment:

Rating Curve Link: PR4S63_4GW8

Scenario: Scenario1
From Node: PR4S63
To Node: 4GW8
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR4S63_4GW8	1.45	PR4S63	1.45	PR4S63

Comment:

Pipe Link: PR4S63_PND403

		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.48 ft	Invert:	6.25 ft
From Node:	PR4S63	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND403	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	97.88 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: dual 24" pipes D/S of S-104

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S65_PND403

		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.42 ft	Invert:	6.22 ft
From Node:	PR4S65	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND403	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	7.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe between S-102 and S-101

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S66_POND405		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.53 ft	Invert:	6.43 ft
From Node:	PR4S66	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND405	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	22.90 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe between S-98 and S-97

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S68_S69		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.55 ft	Invert:	7.45 ft
From Node:	PR4S68	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX4S69	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	127.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR4S79_PND401		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.73 ft	Invert:	6.45 ft
From Node:	PR4S79	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND401	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	58.90 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-111

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S81_PND401		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.00 ft	Invert:	5.95 ft
From Node:	PR4S81	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND401	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	6.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-114

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S83_PND401		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.70 ft	Invert:	5.37 ft
From Node:	PR4S83	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND401	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	164.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 36" pipe D/S of S-115

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S84B_S63E		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	4.00 ft
From Node:	PR4S84B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S63E	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	38.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR4S84_S83		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.80 ft	Invert:	5.70 ft
From Node:	PR4S84	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S83	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	211.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR4S85_S83		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.35 ft	Invert:	6.10 ft
From Node:	PR4S85	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S83	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	194.20 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR4S86_S85		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.50 ft	Invert:	6.45 ft
From Node:	PR4S86	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S85	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	246.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe D/S of S-119

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S87_S86		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.00 ft	Invert:	6.95 ft
From Node:	PR4S87	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S86	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	119.40 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: existing pipe information estimated

Pipe Link: PR4S90_S87		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.30 ft	Invert:	6.25 ft
From Node:	PR4S90	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S87	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	7.40 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR4S91+B_O402		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-3.05 ft	Invert:	-3.55 ft
From Node:	PR4S91+B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	O402	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	48.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: dual 30" pipes D/S of S-67

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Weir Link: PR4S91_WEIR1			
Scenario:	Scenario1	Bottom Clip	
From Node:	PR4S91+A	Default:	0.00 ft
To Node:	PR4S91+B	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	1.95 ft	Discharge Coefficients	
Control Elevation:	1.95 ft	Weir Default:	2.800
Max Depth:	2.33 ft	Weir Table:	
Max Width:	23.17 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Weir Link: PR4S91_WEIR2			
Scenario:	Scenario1	Bottom Clip	
From Node:	PR4S91+A	Default:	0.00 ft
To Node:	PR4S91+B	Op Table:	
Link Count:	2	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Circular	Ref Node:	
Invert:	0.95 ft	Discharge Coefficients	
Control Elevation:	0.95 ft	Weir Default:	2.800
Max Depth:	0.33 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Comment: 2 - 4" dia bleeder			

Pipe Link: PR4S92_S96		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.56 ft	Invert:	1.51 ft
From Node:	PR4S92	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S96	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	5.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 18" pipe between S-69 and S-68

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S93_S95		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.75 ft	Invert:	1.45 ft
From Node:	PR4S93	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S95	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	49.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe between S-67A and S-67B

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S94_S92		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.99 ft	Invert:	1.81 ft
From Node:	PR4S94	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S92	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	49.70 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 15" pipe between S-70 and S-69

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S95_S91+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-1.55 ft	Invert:	-1.55 ft
From Node:	PR4S95	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S91+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 48" pipe between S-67B and S-67

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S96_S95		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.99 ft	Invert:	-1.55 ft
From Node:	PR4S96	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S95	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	343.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 48" pipe between S-68 and S-67B

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S97_S96		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.35 ft	Invert:	-0.49 ft
From Node:	PR4S97	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S96	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	164.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 48" pipe between S-71 and S-68

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Rating Curve Link: PR4S98A_4GW6

Scenario: Scenario1
From Node: PR4S98A
To Node: 4GW6
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR4S98A_4GW6	1.45	PR4S98A	1.45	PR4S98A

Comment:

Pipe Link: PR4S98A_S98B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	PR4S98A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S98B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	265.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR4S98B_4GW6

Scenario: Scenario1

From Node: PR4S98B
To Node: 4GW6
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR4S98B_4GW6	1.45	PR4S98B	1.45	PR4S98B

Comment:

Pipe Link: PR4S98B_S97		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.45 ft	Invert:	-0.35 ft
From Node:	PR4S98B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S97	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	32.10 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR4S98_S99		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.33 ft	Invert:	-0.22 ft
From Node:	PR4S98	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S99	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 42" pipe between S-73 and S-71

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: PR4S99_S98A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.00 ft	Invert:	1.95 ft
From Node:	PR4S99	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S98A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	37.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR5S01+2_S63E		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.50 ft	Invert:	5.50 ft
From Node:	PR5S01+B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S63E	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	509.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR5S01+A_5GW1

Scenario:	Scenario1
From Node:	PR5S01+A
To Node:	5GW1
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR5S01+1_5GW1	1.45	PR5S01+A	1.45	PR5S01+A

Comment:

Weir Link: PR5S01_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	PR5S01+A	Default:	0.00 ft
To Node:	PR5S01+B	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	7.30 ft	Discharge Coefficients	
Control Elevation:	7.30 ft	Weir Default:	2.800
Max Depth:	7.30 ft	Weir Table:	
Max Width:	6.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: PR5S02_S01+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.35 ft	Invert:	2.45 ft
From Node:	PR5S02	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S01+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	33.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR5S03_S04+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.35 ft	Invert:	2.45 ft
From Node:	PR5S03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S04+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	7.10 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR5S04+2_S90		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.50 ft	Invert:	6.25 ft
From Node:	PR5S04+B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S90	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	421.20 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR5S04+A_5GW5

Scenario:	Scenario1
From Node:	PR5S04+A
To Node:	5GW5
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR5S04_5GW5	1.45	PR5S04+A	1.45	PR5S04+A

Comment:

Weir Link: PR5S04_WEIR

Scenario:	Scenario1	Bottom Clip	
From Node:	PR5S04+A	Default:	0.00 ft
To Node:	PR5S04+B	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Rectangular	Op Table:	
Invert:	7.30 ft	Ref Node:	
Control Elevation:	7.30 ft	Discharge Coefficients	
Max Depth:	7.30 ft	Weir Default:	2.800
Max Width:	6.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Rating Curve Link: PR5S05_5GW1

Scenario: Scenario1
From Node: PR5S05
To Node: 5GW1
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR5S05_5GW1	1.45	PR5S05	1.45	PR5S05

Comment:

Rating Curve Link: PR5S05_5GW2

Scenario: Scenario1
From Node: PR5S05
To Node: 5GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR5S05_5GW2	1.45	PR5S05	1.45	PR5S05

Comment:

Pipe Link: PR5S05_S01+A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	PR5S05	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S01+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	300.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0200	Manning's N:	0.0200

Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0200	Manning's N:	0.0200

Comment: FD Connection
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR5S06_S05		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.35 ft	Invert:	2.45 ft
From Node:	PR5S06	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S05	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	34.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR5S07_S08		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.35 ft	Invert:	2.45 ft
From Node:	PR5S07	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S08	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	6.40 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Rating Curve Link: PR5S08_5GW5

Scenario: Scenario1
From Node: PR5S08
To Node: 5GW5
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR5S08_5GW5	1.45	PR5S08	1.45	PR5S08

Comment:

Rating Curve Link: PR5S08_5GW6

Scenario: Scenario1
From Node: PR5S08
To Node: 5GW6
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR5S08_5GW6	1.45	PR5S08	1.45	PR5S08

Comment:

Pipe Link: PR5S08_S04+A

Scenario: Scenario1
From Node: PR5S08
To Node: PR5S04+A
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 300.00 ft
FHWA Code: 1
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	1.45 ft	Invert:	1.45 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0200	Manning's N:	0.0200
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0200	Manning's N:	0.0200

Comment: FD Connection
FROM FPID 249035-1-52-01 SEGMENT 1

Rating Curve Link: PR5S09_5GW2

Scenario: Scenario1

From Node: PR5S09
To Node: 5GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR5S09_5GW2	1.45	PR5S09	1.45	PR5S09

Comment:

Rating Curve Link: PR5S09_5GW3

Scenario: Scenario1
From Node: PR5S09
To Node: 5GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR5S09_5GW3	1.45	PR5S09	1.45	PR5S09

Comment:

Pipe Link: PR5S09_S05		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	PR5S09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S05	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	300.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0200	Manning's N:	0.0200
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0200	Manning's N:	0.0200

Comment: FD Connection
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR5S10_S09		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.35 ft	Invert:	2.45 ft
From Node:	PR5S10	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S09	Geometry:	Circular	Geometry:	Circular

Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	35.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR5S11_S12		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.35 ft	Invert:	2.45 ft
From Node:	PR5S11	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S12	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Rating Curve Link: PR5S12_5GW6

Scenario:	Scenario1
From Node:	PR5S12
To Node:	5GW6
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR5S12_5GW6	1.45	PR5S12	1.45	PR5S12

Comment:

Pipe Link: PR5S12_S08		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	PR5S12	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S08	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	300.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0200	Manning's N:	0.0200
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0200	Manning's N:	0.0200

Comment: FD Connection
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR5S13_S14		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.05 ft	Invert:	4.35 ft
From Node:	PR5S13	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S14	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	12.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR5S14A_S14		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.00 ft	Invert:	3.00 ft
From Node:	PR5S14A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S14	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	88.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR5S14_S12		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.65 ft	Invert:	1.45 ft
From Node:	PR5S14	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S12	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	145.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Weir Link: PR5S14_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	POND501	Default:	0.00 ft
To Node:	PR5S14A	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	8.00 ft	Discharge Coefficients	
Control Elevation:	8.00 ft	Weir Default:	2.800
Max Depth:	6.00 ft	Weir Table:	
Max Width:	6.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Rating Curve Link: PR5S15_5GW3

Scenario: Scenario1
From Node: PR5S15
To Node: 5GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR5S15_5GW3	1.45	PR5S15	1.45	PR5S15

Comment:

Rating Curve Link: PR5S15_5GW4

Scenario: Scenario1
From Node: PR5S15
To Node: 5GW4
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR5S15_5GW4	1.45	PR5S15	1.45	PR5S15

Comment:

Pipe Link: PR5S15_S09

Scenario: Scenario1
From Node: PR5S15
To Node: PR5S09
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 300.00 ft
FHWA Code: 1
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	1.45 ft	Invert:	1.45 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0200	Manning's N:	0.0200
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0200	Manning's N:	0.0200

Comment: FD Connection
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR5S16_S15

Scenario: Scenario1

Upstream		Downstream	
Invert:	4.35 ft	Invert:	2.45 ft

From Node:	PR5S16	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S15	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	34.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Rating Curve Link: PR5S18_5GW7

Scenario: Scenario1
From Node: PR5S18
To Node: 5GW7
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR5S18_5GW7	1.45	PR5S18	1.45	PR5S18

Comment:

Pipe Link: PR5S19_PR5S20A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.75 ft	Invert:	1.65 ft
From Node:	PR5S19	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S20A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Rating Curve Link: PR5S20A_5GW7

Scenario: Scenario1
From Node: PR5S20A
To Node: 5GW7
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR5S20A_5GW7	1.45	PR5S20A	1.45	PR5S20A

Comment:

Pipe Link: PR5S20A_S18		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	PR5S20A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S18	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	195.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0200	Manning's N:	0.0200
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0200	Manning's N:	0.0200

Comment: FD Connection
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR5S20B_S20A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.35 ft	Invert:	4.25 ft
From Node:	PR5S20B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S20A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR5S21A_5GW4

Scenario: Scenario1
From Node: PR5S21A
To Node: 5GW4
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR5S21_5GW4	1.45	PR5S21A	1.45	PR5S21A

Comment:

Pipe Link: PR5S21A_S15		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	PR5S21A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S15	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	300.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0200	Manning's N:	0.0200
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0200	Manning's N:	0.0200

Comment: FD Connection
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR5S21B_S21A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.35 ft	Invert:	4.35 ft
From Node:	PR5S21B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S21A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	236.70 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe

FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR5S21C_S21B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.35 ft	Invert:	5.35 ft
From Node:	PR5S21C	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S21B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	243.30 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR5S22A_S19		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.95 ft	Invert:	4.75 ft
From Node:	PR5S22A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S19	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	127.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR5S22_S21A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.35 ft	Invert:	3.35 ft
From Node:	PR5S22	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S21A	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	33.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR5S23_S22A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.15 ft	Invert:	4.95 ft
From Node:	PR5S23	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S22A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	117.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR5S24A_S23		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.25 ft	Invert:	5.15 ft
From Node:	PR5S24A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S23	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	97.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR5S24_S21B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.35 ft	Invert:	3.35 ft
From Node:	PR5S24	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S21B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	39.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR5S25_S24A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.45 ft	Invert:	5.25 ft
From Node:	PR5S25	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S24A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	97.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR5S26_S25		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.65 ft	Invert:	5.45 ft

From Node:	PR5S26	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S25	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	97.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR5S27_S21C		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.35 ft	Invert:	5.35 ft
From Node:	PR5S27	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S21C	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	33.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR5S29_S26		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.45 ft	Invert:	5.65 ft
From Node:	PR5S29	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S26	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	71.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR5S30_S29		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.85 ft	Invert:	6.45 ft
From Node:	PR5S30	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S29	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	22.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR5S31_S27		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.95 ft	Invert:	6.35 ft
From Node:	PR5S31	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S27	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	237.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR5S32_S30		Upstream		Downstream	
Scenario:	Scenario1	Invert:	8.45 ft	Invert:	7.95 ft
From Node:	PR5S32	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR5S30	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	222.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: Solid Pipe
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: SWL4E1_S09		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.25 ft	Invert:	4.15 ft
From Node:	SWALE 4E1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S09	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	2	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 30" x 19" pipe between S-83A and S-83

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Pipe Link: SWL4W1_4S98A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.45 ft	Invert:	2.70 ft
From Node:	SWALE 4W1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR4S98A	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 30" x 19" pipe between S-73A and S-73 - length and U/S invert estimated

(State Proj. No 87260-3512 Dade County State Road No. 826, 1995)

Rating Curve: EX4S43A_4GW1

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	7.15	4.02
1.45	7.56	4.60
2.98	2.98	0.00
2.98	7.15	2.15
2.98	7.56	2.57

Comment:

Rating Curve: EX4S43_4GW1

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	7.15	4.02
1.45	7.56	4.60
2.98	2.98	0.00
2.98	7.15	2.15
2.98	7.56	2.57

Comment:

Rating Curve: EX4S43_4GW2

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	7.15	4.54
1.45	7.56	5.19
2.98	2.98	0.00
2.98	7.15	2.43
2.98	7.56	2.91

Comment:

Rating Curve: EX4S44_4GW2

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	7.15	4.54
1.45	7.56	5.19
2.98	2.98	0.00
2.98	7.15	2.43
2.98	7.56	2.91

Comment:

Rating Curve: EX4S44_4GW3

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	7.45	2.02
1.45	7.56	2.09
2.98	2.98	0.00
2.98	7.45	1.12
2.98	7.56	1.18

Comment:

Rating Curve: EX4S45_4GW3

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	7.45	2.02
1.45	7.56	2.09
2.98	2.98	0.00
2.98	7.45	1.12
2.98	7.56	1.18

Comment:

Rating Curve: EX4S45_4GW4

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	7.45	11.56
1.45	7.56	11.99
2.98	2.98	0.00
2.98	7.45	6.42
2.98	7.56	6.73

Comment:

Rating Curve: EX4S46A_4GW4

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	7.45	11.56
1.45	7.56	11.99
2.98	2.98	0.00
2.98	7.45	6.42
2.98	7.56	6.73

Comment:

Rating Curve: EX4S52_4GW5

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	6.95	10.04
1.45	7.56	12.27
2.98	2.98	0.00
2.98	6.95	5.23
2.98	7.56	6.84

Comment:

Rating Curve: EX4S53_4GW5

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	6.95	10.04
1.45	7.56	12.27
2.98	2.98	0.00
2.98	6.95	5.23
2.98	7.56	6.84

Comment:

Rating Curve: PR4S12A_4GW7

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	5.62	8.31
1.45	7.45	13.64
2.98	2.98	0.00
2.98	5.62	5.53
2.98	7.45	10.43

Comment:

Rating Curve: PR4S12B_4GW7

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	5.62	8.31
1.45	7.45	13.64
2.98	2.98	0.00
2.98	5.62	5.53
2.98	7.45	10.43

Comment:

Rating Curve: PR4S52_4GW11

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	9.00	21.04
1.45	7.45	20.23
2.98	2.98	0.00
2.98	9.00	21.04
2.98	7.45	15.55

Comment:

Rating Curve: PR4S53_4GW11

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	9.00	21.04
1.45	7.45	20.23
2.98	2.98	0.00
2.98	9.00	21.04
2.98	7.45	15.55

Comment:

Rating Curve: PR4S55_4GW10

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	7.00	3.85
1.45	7.45	4.33
2.98	2.98	0.00
2.98	7.00	2.92
2.98	7.45	3.36

Comment:

Rating Curve: PR4S56_4GW10

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	7.00	3.85
1.45	7.45	4.33
2.98	2.98	0.00
2.98	7.00	2.92
2.98	7.45	3.36

Comment:

Rating Curve: PR4S63A_4GW8

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	5.62	8.31
1.45	7.45	13.64
2.98	2.98	0.00
2.98	5.62	5.53
2.98	7.45	10.43

Comment:

Rating Curve: PR4S63C_4GW9

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	7.00	9.76
1.45	7.45	10.97
2.98	2.98	0.00
2.98	7.00	7.39
2.98	7.45	8.52

Comment:

Rating Curve: PR4S63D_4GW9

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	7.00	9.76
1.45	7.45	10.97
2.98	2.98	0.00
2.98	7.00	7.39
2.98	7.45	8.52

Comment:

Rating Curve: PR4S63_4GW8

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	5.62	8.31
1.45	7.45	13.64
2.98	2.98	0.00
2.98	5.62	5.53
2.98	7.45	10.43

Comment:

Rating Curve: PR4S98A_4GW6

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	5.62	5.39
1.45	7.45	8.84
2.98	2.98	0.00
2.98	5.62	3.58
2.98	7.45	6.77

Comment:

Rating Curve: PR4S98B_4GW6

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	5.62	5.39
1.45	7.45	8.84
2.98	2.98	0.00
2.98	5.62	3.58
2.98	7.45	6.77

Comment:

Rating Curve: PR5S01+1_5GW1

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	4.21
1.45	7.45	9.36
2.98	2.98	0.00
2.98	4.65	2.33
2.98	7.45	6.99

Comment:

Rating Curve: PR5S04_5GW5

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	4.21
1.45	7.45	9.36
2.98	2.98	0.00
2.98	4.65	2.33
2.98	7.45	6.99

Comment:

Rating Curve: PR5S05_5GW1

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	4.21
1.45	7.45	9.36
2.98	2.98	0.00
2.98	4.65	2.33
2.98	7.45	6.99

Comment:

Rating Curve: PR5S05_5GW2

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	4.21
1.45	7.45	9.36
2.98	2.98	0.00
2.98	4.65	2.33
2.98	7.45	6.99

Comment:

Rating Curve: PR5S08_5GW5

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	4.21
1.45	7.45	9.36
2.98	2.98	0.00
2.98	4.65	2.33
2.98	7.45	6.99

Comment:

Rating Curve: PR5S08_5GW6

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	4.21
1.45	7.45	9.36
2.98	2.98	0.00
2.98	4.65	2.33
2.98	7.45	6.99

Comment:

Rating Curve: PR5S09_5GW2

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	4.21
1.45	7.45	9.36
2.98	2.98	0.00
2.98	4.65	2.33
2.98	7.45	6.99

Comment:

Rating Curve: PR5S09_5GW3

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	4.21
1.45	7.45	9.36
2.98	2.98	0.00
2.98	4.65	2.33
2.98	7.45	6.99

Comment:

Rating Curve: PR5S12_5GW6

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	4.21
1.45	7.45	9.36
2.98	2.98	0.00
2.98	4.65	2.33
2.98	7.45	6.99

Comment:

Rating Curve: PR5S15_5GW3

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	4.21
1.45	7.45	9.36
2.98	2.98	0.00
2.98	4.65	2.33
2.98	7.45	6.99

Comment:

Rating Curve: PR5S15_5GW4

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	4.21
1.45	7.45	9.36
2.98	2.98	0.00
2.98	4.65	2.33
2.98	7.45	6.99

Comment:

Rating Curve: PR5S18_5GW7

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	2.66
1.45	7.45	5.90
2.98	2.98	0.00
2.98	4.65	1.47
2.98	7.45	4.40

Comment:

Rating Curve: PR5S20A_5GW7

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	2.66
1.45	7.45	5.90
2.98	2.98	0.00
2.98	4.65	1.47
2.98	7.45	4.40

Comment:

Rating Curve: PR5S21_5GW4

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	4.21
1.45	7.45	9.36
2.98	2.98	0.00
2.98	4.65	2.33
2.98	7.45	6.99

Comment:

Simulation: 100YR-1HR

Scenario: Scenario1
Run Date/Time: 10/14/2019 3:27:18 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:	
Reference ET Folder:	
Unit Hydrograph Folder:	

Lookup Tables

Boundary Stage Set:	100y-1hr
Extern Hydrograph Set:	
Curve Number Set:	CN
Green-Ampt Set:	
Vertical Layers Set:	
Impervious Set:	IMP
Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	5.10 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100YR-24HR

Scenario:	Scenario1
Run Date/Time:	10/14/2019 3:30:52 PM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000

End Time:	0	0	0	36.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 100y-24hr
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain: Global

		Opt:	
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	13.44 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100YR-8HR

Scenario: Scenario1
Run Date/Time: 10/14/2019 3:37:15 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 100y-8hr
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	9.60 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-1HR

Scenario: Scenario1
Run Date/Time: 10/14/2019 3:40:58 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 10y-1hr
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight 0.5 dec

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False

Fact:			
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.55 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-24HR

Scenario: Scenario1
Run Date/Time: 10/14/2019 3:44:13 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	36.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 10y-24hr
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 8.88 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 10YR-8HR

Scenario: Scenario1
Run Date/Time: 10/14/2019 3:49:45 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 10y-8Hr
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	6.80 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25YR-72HR

Scenario: Scenario1
Run Date/Time: 10/14/2019 3:53:31 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 25y-72hr
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~SFWMD-72
Rainfall Amount: 13.00 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
4GW1	100YR-1HR	7.45	1.45	0.0000	8.10	0.00	0
4GW10	100YR-1HR	7.45	1.45	0.0000	7.31	0.00	0
4GW11	100YR-1HR	7.45	1.45	0.0000	36.66	0.00	0
4GW2	100YR-1HR	7.45	1.45	0.0000	8.50	0.00	0
4GW3	100YR-1HR	7.45	1.45	0.0000	3.45	0.00	0
4GW4	100YR-1HR	7.45	1.45	0.0000	19.38	0.00	0
4GW6	100YR-1HR	7.45	1.45	0.0000	10.72	0.00	0
4GW7	100YR-1HR	7.45	1.45	0.0000	13.69	0.00	0
4GW8	100YR-1HR	7.45	1.45	0.0000	31.14	0.00	0
4GW9	100YR-1HR	7.45	1.45	0.0000	20.25	0.00	0
5GW1	100YR-1HR	7.45	1.45	0.0000	13.71	0.00	0
5GW2	100YR-1HR	7.45	1.45	0.0000	13.35	0.00	0
5GW3	100YR-1HR	7.45	1.45	0.0000	13.99	0.00	0
5GW4	100YR-1HR	7.45	1.45	0.0000	16.49	0.00	0
5GW5	100YR-1HR	7.45	1.45	0.0000	15.05	0.00	0
5GW6	100YR-1HR	7.45	1.45	0.0000	14.56	0.00	0
5GW7	100YR-1HR	7.45	1.45	0.0000	15.19	0.00	0
CH4_2+A	100YR-1HR	10.09	7.10	0.0011	16.17	10.90	6706
EX4S03+A	100YR-1HR	5.45	2.71	0.0006	110.60	110.60	857
EX4S03+B	100YR-1HR	5.45	1.96	0.0022	110.60	110.60	113
EX4S106	100YR-1HR	24.00	18.64	0.0002	4.78	4.78	113
EX4S107	100YR-1HR	30.00	25.50	0.0002	4.47	4.47	113
EX4S108	100YR-1HR	21.00	18.79	0.0002	2.43	2.43	113
EX4S109	100YR-1HR	28.00	25.64	0.0001	2.27	2.27	113
EX4S11	100YR-1HR	10.25	9.00	0.0263	6.50	29.71	113
EX4S14	100YR-1HR	11.75	10.50	0.0132	3.84	14.94	113
EX4S18	100YR-1HR	12.28	7.77	0.0010	2.88	2.88	113
EX4S21	100YR-1HR	30.00	27.75	0.0001	2.20	2.20	113
EX4S22	100YR-1HR	24.00	22.35	0.0006	1.65	1.65	113
EX4S23	100YR-1HR	19.00	16.64	0.0014	4.86	5.47	113
EX4S24	100YR-1HR	11.00	10.72	0.0006	2.75	2.57	113
EX4S25	100YR-1HR	11.00	11.03	0.0007	3.37	3.17	132
EX4S26	100YR-1HR	28.00	26.90	0.0002	4.47	4.47	113
EX4S27	100YR-1HR	23.00	21.22	0.0002	3.92	3.92	113
EX4S28	100YR-1HR	18.00	16.11	0.0020	7.82	7.77	113
EX4S29	100YR-1HR	16.00	8.91	0.0003	15.39	15.39	374
EX4S30	100YR-1HR	14.00	9.86	0.0004	14.30	14.29	457
EX4S31	100YR-1HR	13.00	10.58	0.0006	12.48	12.47	409
EX4S32	100YR-1HR	13.00	11.08	0.0007	3.37	3.38	113
EX4S33	100YR-1HR	12.70	10.71	0.0006	6.49	6.54	282
EX4S35	100YR-1HR	9.95	7.01	0.0005	7.41	7.44	498
EX4S36	100YR-1HR	9.52	7.11	0.0004	24.34	23.17	2190
EX4S37	100YR-1HR	10.00	9.69	0.0019	11.27	11.15	310
EX4S38	100YR-1HR	10.00	9.34	0.0012	12.01	11.67	483
EX4S39	100YR-1HR	11.00	8.86	0.0013	15.69	15.26	566
EX4S40	100YR-1HR	12.00	8.54	0.0007	16.41	16.19	564

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S41	100YR-1HR	12.00	8.17	0.0006	16.89	16.74	392
EX4S42	100YR-1HR	13.00	7.96	0.0008	21.23	20.75	659
EX4S43	100YR-1HR	11.00	6.92	0.0013	21.20	20.46	1509
EX4S43A	100YR-1HR	11.00	7.31	0.0010	20.75	20.36	1023
EX4S44	100YR-1HR	11.00	6.66	0.0012	17.45	17.00	732
EX4S45	100YR-1HR	11.00	6.51	0.0012	19.80	18.86	2235
EX4S46	100YR-1HR	8.83	6.72	0.0013	8.71	8.83	646
EX4S46A	100YR-1HR	10.90	6.47	0.0012	11.21	9.76	1856
EX4S47	100YR-1HR	9.90	7.34	0.0009	0.94	0.94	113
EX4S48	100YR-1HR	9.98	7.40	0.0010	1.10	1.54	113
EX4S49	100YR-1HR	10.45	7.10	0.0007	10.90	9.53	2871
EX4S50	100YR-1HR	8.91	7.37	0.0016	7.61	7.57	113
EX4S50A	100YR-1HR	8.90	7.09	0.0007	10.62	10.46	1340
EX4S51	100YR-1HR	11.00	6.92	0.0504	10.98	57.08	277
EX4S51A	100YR-1HR	8.90	7.05	0.0006	6.50	6.50	411
EX4S54	100YR-1HR	11.00	7.37	0.0010	15.06	13.77	1142
EX4S57	100YR-1HR	10.00	10.10	0.0063	11.05	10.46	66491
EX4S58	100YR-1HR	11.00	9.05	0.0007	3.02	3.30	113
EX4S59	100YR-1HR	13.00	8.47	0.0007	1.76	2.39	113
EX4S60	100YR-1HR	11.00	8.33	0.0001	2.07	1.81	2666
EX4S61	100YR-1HR	11.00	7.92	0.0001	4.37	3.22	6473
EX4S64	100YR-1HR	10.00	7.35	0.0003	21.53	21.46	1297
EX4S67	100YR-1HR	10.00	7.13	0.0010	9.30	9.15	534
EX4S69	100YR-1HR	10.00	7.14	0.0009	10.08	9.95	421
EX4S69+A	100YR-1HR	10.00	7.14	0.0006	0.72	0.04	113
EX4S70	100YR-1HR	11.00	7.45	0.0001	3.27	3.27	119
EX4S71	100YR-1HR	11.00	10.26	0.0022	11.08	12.37	113
EX4S72	100YR-1HR	11.00	8.60	0.0001	5.23	2.76	12612
EX4S73	100YR-1HR	11.00	8.54	0.0003	4.36	4.36	137
EX4S74	100YR-1HR	11.00	8.05	0.0013	3.65	4.91	113
EX4S75	100YR-1HR	26.12	24.56	0.0010	7.22	7.20	113
EX4S76	100YR-1HR	25.91	24.44	0.0010	6.90	6.89	113
EX4S78	100YR-1HR	20.72	14.44	0.0002	4.08	4.08	113
EX5S17	100YR-1HR	9.99	8.54	0.0014	3.45	4.76	113
EX5S33	100YR-1HR	12.66	9.44	0.0009	1.41	1.42	139
O401	100YR-1HR	3.45	1.45	0.0000	110.60	0.23	0
O402	100YR-1HR	3.45	1.45	0.0000	65.98	0.00	0
POND401	100YR-1HR	10.00	7.00	0.0007	51.15	0.18	29559
POND402	100YR-1HR	10.00	7.11	0.0006	29.16	6.39	17328
POND403	100YR-1HR	10.00	7.62	0.0003	25.36	21.53	7162
POND404	100YR-1HR	10.00	7.11	0.0004	27.92	10.49	13938
POND405	100YR-1HR	10.00	7.13	0.0004	18.26	9.30	10880
POND501	100YR-1HR	10.00	6.33	0.0003	11.41	0.00	12954
PR4S02	100YR-1HR	10.90	2.94	0.0002	4.08	4.03	113
PR4S04	100YR-1HR	8.11	3.50	0.0006	4.39	4.30	113
PR4S05	100YR-1HR	7.12	3.22	0.0017	7.43	7.35	113
PR4S06	100YR-1HR	4.95	3.04	0.0006	106.20	106.19	1844

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR4S08	100YR-1HR	5.95	3.24	0.0007	87.04	87.04	2049
PR4S09	100YR-1HR	6.95	3.43	0.0037	67.87	68.21	1518
PR4S10	100YR-1HR	7.03	3.83	0.0005	9.02	8.89	113
PR4S101	100YR-1HR	8.01	8.37	0.0032	46.72	46.53	790
PR4S101A	100YR-1HR	8.15	8.40	0.0033	9.78	10.08	1335
PR4S101B	100YR-1HR	9.00	8.45	0.0017	9.50	9.78	1172
PR4S101C	100YR-1HR	9.78	8.53	0.0019	8.08	9.50	1109
PR4S101D	100YR-1HR	12.30	8.69	0.0017	8.35	8.08	1525
PR4S101E	100YR-1HR	11.90	8.83	0.0013	8.61	8.35	963
PR4S102	100YR-1HR	12.64	11.65	0.0009	8.61	8.61	184
PR4S104	100YR-1HR	16.95	12.21	0.0007	5.65	5.64	175
PR4S12	100YR-1HR	9.00	9.74	0.0021	23.38	23.36	131
PR4S12A	100YR-1HR	8.20	4.50	0.0011	53.54	49.85	1674
PR4S12B	100YR-1HR	8.20	5.31	0.0282	75.26	37.35	600
PR4S14A	100YR-1HR	11.75	10.50	0.0689	17.15	120.22	1509
PR4S15	100YR-1HR	27.50	24.18	0.0003	5.49	5.44	113
PR4S16	100YR-1HR	11.38	6.89	0.0018	2.08	2.74	113
PR4S16A	100YR-1HR	8.50	6.88	0.0397	44.95	12.01	1148
PR4S17	100YR-1HR	11.51	7.05	0.0014	6.75	6.71	113
PR4S17A	100YR-1HR	9.00	7.09	0.0007	13.98	8.49	6564
PR4S17B	100YR-1HR	9.19	7.01	0.0012	9.07	9.18	700
PR4S17C	100YR-1HR	8.50	6.95	0.0022	11.17	11.21	490
PR4S19	100YR-1HR	16.07	13.62	0.0028	6.20	9.29	113
PR4S20	100YR-1HR	26.30	24.11	0.0002	5.33	5.33	113
PR4S52	100YR-1HR	11.00	6.91	0.0051	56.38	25.62	1192
PR4S53	100YR-1HR	11.00	6.86	0.0012	19.53	18.25	1217
PR4S55	100YR-1HR	11.00	6.72	0.0232	29.65	6.93	198
PR4S56	100YR-1HR	9.00	6.71	0.0285	4.61	32.70	198
PR4S62	100YR-1HR	9.20	8.18	0.0013	10.12	10.01	221
PR4S63	100YR-1HR	9.30	8.17	0.0038	43.78	43.95	761
PR4S63A	100YR-1HR	9.20	8.05	0.0044	15.48	15.42	644
PR4S63B	100YR-1HR	10.13	8.05	0.0007	0.73	0.58	113
PR4S63C	100YR-1HR	9.25	7.13	0.0024	10.13	10.11	478
PR4S63D	100YR-1HR	9.25	7.14	0.0021	14.66	14.53	478
PR4S63E	100YR-1HR	10.00	8.93	0.0032	18.65	18.65	1774
PR4S65	100YR-1HR	9.90	7.62	0.0021	2.33	0.28	113
PR4S66	100YR-1HR	9.98	7.14	0.0005	0.55	0.51	113
PR4S68	100YR-1HR	9.25	9.43	0.0021	6.98	6.97	219
PR4S79	100YR-1HR	15.24	8.74	0.0010	6.04	6.03	113
PR4S80	100YR-1HR	12.87	7.96	0.0002	5.88	5.88	113
PR4S81	100YR-1HR	11.22	7.57	0.0020	4.79	4.93	113
PR4S83	100YR-1HR	10.00	7.93	0.0018	18.47	18.39	1101
PR4S84	100YR-1HR	9.30	7.93	0.0010	6.35	6.28	400
PR4S84B	100YR-1HR	10.00	9.48	0.0018	18.67	18.65	113
PR4S85	100YR-1HR	9.45	8.13	0.0003	12.78	12.75	625
PR4S86	100YR-1HR	9.58	8.25	0.0002	6.69	6.66	464
PR4S87	100YR-1HR	10.00	8.28	0.0020	7.14	7.08	165

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR4S90	100YR-1HR	10.20	8.27	0.0020	6.25	6.24	836
PR4S91+A	100YR-1HR	4.95	3.19	0.0014	65.98	65.98	113
PR4S91+B	100YR-1HR	4.95	2.77	0.0006	65.98	65.98	113
PR4S92	100YR-1HR	6.74	4.44	0.0042	9.35	9.31	113
PR4S93	100YR-1HR	10.20	3.65	0.0003	3.45	3.42	113
PR4S94	100YR-1HR	8.39	4.77	0.0005	4.71	4.65	113
PR4S95	100YR-1HR	4.95	3.48	0.0004	64.56	64.57	690
PR4S96	100YR-1HR	4.95	4.19	0.0015	59.38	59.39	996
PR4S97	100YR-1HR	6.44	4.51	0.0069	66.82	50.65	426
PR4S98	100YR-1HR	5.85	6.48	0.0011	7.37	7.92	113
PR4S98A	100YR-1HR	7.40	6.29	0.0012	56.42	56.34	691
PR4S98B	100YR-1HR	6.70	4.61	0.0019	49.87	64.45	674
PR4S99	100YR-1HR	6.70	6.48	0.0012	54.49	54.34	429
PR5S01+A	100YR-1HR	10.70	6.19	0.0021	13.02	12.95	478
PR5S01+B	100YR-1HR	10.70	7.97	0.0024	9.16	9.15	650
PR5S02	100YR-1HR	9.79	6.25	0.0005	3.22	3.14	113
PR5S03	100YR-1HR	9.79	6.62	0.0012	3.14	3.52	113
PR5S04+A	100YR-1HR	11.65	6.59	0.0012	14.66	14.64	461
PR5S04+B	100YR-1HR	11.65	7.82	0.0020	6.24	6.23	577
PR5S05	100YR-1HR	10.70	5.99	0.0022	13.36	13.34	780
PR5S06	100YR-1HR	9.87	6.15	0.0005	5.49	5.40	113
PR5S07	100YR-1HR	9.13	6.40	0.0012	5.41	5.24	113
PR5S08	100YR-1HR	10.82	6.31	0.0012	14.56	14.54	761
PR5S09	100YR-1HR	10.08	5.99	0.0014	14.35	14.39	779
PR5S10	100YR-1HR	9.93	6.15	0.0005	5.49	5.40	113
PR5S11	100YR-1HR	9.93	6.38	0.0007	4.08	3.92	113
PR5S12	100YR-1HR	9.20	6.33	0.0012	8.74	8.74	641
PR5S13	100YR-1HR	9.95	6.43	0.0004	4.86	4.86	113
PR5S14	100YR-1HR	9.75	6.35	0.0013	4.86	4.68	245
PR5S14A	100YR-1HR	8.00	6.35	0.0020	2.30	0.25	113
PR5S15	100YR-1HR	10.40	6.34	0.0011	22.24	22.26	748
PR5S16	100YR-1HR	9.98	6.69	0.0006	8.24	8.12	113
PR5S18	100YR-1HR	9.43	8.51	0.0022	17.43	17.42	297
PR5S19	100YR-1HR	10.47	9.79	0.0012	21.15	21.13	195
PR5S20A	100YR-1HR	9.60	9.32	0.0018	22.03	22.00	359
PR5S20B	100YR-1HR	9.40	9.33	0.0009	3.16	0.87	350
PR5S21A	100YR-1HR	9.79	7.36	0.0010	22.34	22.38	712
PR5S21B	100YR-1HR	9.94	8.58	0.0056	15.82	15.85	786
PR5S21C	100YR-1HR	9.33	8.73	0.0016	9.91	9.96	317
PR5S22	100YR-1HR	10.42	7.38	0.0016	4.55	4.99	113
PR5S22A	100YR-1HR	10.67	10.16	0.0009	19.12	19.10	325
PR5S23	100YR-1HR	10.87	10.45	0.0009	17.24	17.21	290
PR5S24	100YR-1HR	10.95	8.61	0.0056	4.55	6.37	113
PR5S24A	100YR-1HR	11.06	10.67	0.0010	15.69	15.65	264
PR5S25	100YR-1HR	11.28	10.84	0.0010	14.05	13.99	268
PR5S26	100YR-1HR	11.55	10.97	0.0010	12.35	12.26	231
PR5S27	100YR-1HR	11.54	9.08	0.0009	8.02	8.00	222

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR5S29	100YR-1HR	11.74	11.06	0.0024	12.20	10.99	136
PR5S30	100YR-1HR	12.45	11.10	0.0011	8.84	10.90	315
PR5S31	100YR-1HR	12.31	9.41	0.0009	3.97	4.02	316
PR5S32	100YR-1HR	13.06	11.14	0.0007	5.81	5.49	383
SWALE 4E1	100YR-1HR	8.17	5.64	0.0010	36.87	27.74	27118
SWALE 4W1	100YR-1HR	7.45	6.35	0.0010	14.22	20.60	10880
4GW1	100YR-24HR	7.45	2.65	0.0002	3.08	0.00	0
4GW10	100YR-24HR	7.45	2.65	0.0002	5.83	0.00	0
4GW11	100YR-24HR	7.45	2.65	0.0002	17.25	0.00	0
4GW2	100YR-24HR	7.45	2.65	0.0002	3.96	0.00	0
4GW3	100YR-24HR	7.45	2.65	0.0002	1.36	0.00	0
4GW4	100YR-24HR	7.45	2.65	0.0002	7.89	0.00	0
4GW6	100YR-24HR	7.45	2.65	0.0002	1.18	0.00	0
4GW7	100YR-24HR	7.45	2.65	0.0002	13.69	0.00	0
4GW8	100YR-24HR	7.45	2.65	0.0002	11.61	0.00	0
4GW9	100YR-24HR	7.45	2.65	0.0002	9.28	0.00	0
5GW1	100YR-24HR	7.45	2.65	0.0002	2.57	0.00	0
5GW2	100YR-24HR	7.45	2.65	0.0002	2.57	0.00	0
5GW3	100YR-24HR	7.45	2.65	0.0002	2.62	0.00	0
5GW4	100YR-24HR	7.45	2.65	0.0002	2.73	0.00	0
5GW5	100YR-24HR	7.45	2.65	0.0002	4.79	0.00	0
5GW6	100YR-24HR	7.45	2.65	0.0002	4.63	0.00	0
5GW7	100YR-24HR	7.45	2.65	0.0002	4.86	0.00	0
CH4_2+A	100YR-24HR	10.09	6.71	0.0006	8.05	7.99	5847
EX4S03+A	100YR-24HR	5.45	2.09	0.0006	33.20	33.17	855
EX4S03+B	100YR-24HR	5.45	1.50	0.0024	33.17	33.18	113
EX4S106	100YR-24HR	24.00	17.97	0.0001	0.82	0.82	113
EX4S107	100YR-24HR	30.00	24.86	0.0002	0.77	0.77	113
EX4S108	100YR-24HR	21.00	18.08	0.0001	0.42	0.42	113
EX4S109	100YR-24HR	28.00	25.01	0.0001	0.39	0.39	113
EX4S11	100YR-24HR	10.25	9.00	0.0263	2.14	29.71	113
EX4S14	100YR-24HR	11.75	10.50	0.0132	0.66	14.94	113
EX4S18	100YR-24HR	12.28	7.27	0.0000	0.51	0.51	113
EX4S21	100YR-24HR	30.00	27.32	0.0001	0.38	0.38	113
EX4S22	100YR-24HR	24.00	21.99	0.0002	0.28	0.28	113
EX4S23	100YR-24HR	19.00	15.68	0.0002	0.84	0.84	113
EX4S24	100YR-24HR	11.00	7.89	0.0001	0.47	0.47	113
EX4S25	100YR-24HR	11.00	8.15	0.0001	0.58	0.58	113
EX4S26	100YR-24HR	28.00	26.26	0.0001	0.77	0.77	113
EX4S27	100YR-24HR	23.00	20.63	0.0001	0.68	0.68	113
EX4S28	100YR-24HR	18.00	14.29	0.0002	1.35	1.35	113
EX4S29	100YR-24HR	16.00	7.18	0.0001	3.25	3.25	370
EX4S30	100YR-24HR	14.00	7.47	0.0001	3.05	3.05	453
EX4S31	100YR-24HR	13.00	7.85	0.0002	2.71	2.71	390
EX4S32	100YR-24HR	13.00	8.10	0.0004	1.02	1.02	113
EX4S33	100YR-24HR	12.70	8.04	0.0004	1.60	1.60	278
EX4S35	100YR-24HR	9.95	6.69	0.0001	3.32	3.32	398

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S36	100YR-24HR	9.52	6.73	0.0001	2.02	1.89	1967
EX4S37	100YR-24HR	10.00	6.12	0.0001	3.68	3.68	310
EX4S38	100YR-24HR	10.00	6.04	0.0001	3.98	3.98	483
EX4S39	100YR-24HR	11.00	5.94	0.0001	5.06	5.05	560
EX4S40	100YR-24HR	12.00	5.85	0.0001	5.28	5.27	564
EX4S41	100YR-24HR	12.00	5.76	0.0001	5.39	5.39	392
EX4S42	100YR-24HR	13.00	5.71	0.0001	6.39	6.38	611
EX4S43	100YR-24HR	11.00	5.27	0.0010	5.99	5.96	1502
EX4S43A	100YR-24HR	11.00	5.52	0.0010	6.38	6.36	1002
EX4S44	100YR-24HR	11.00	5.10	0.0010	4.25	4.22	732
EX4S45	100YR-24HR	11.00	4.92	0.0011	4.37	5.52	2229
EX4S46	100YR-24HR	8.83	6.40	0.0005	3.80	3.80	480
EX4S46A	100YR-24HR	10.90	4.94	0.0010	3.80	4.11	1825
EX4S47	100YR-24HR	9.90	7.07	0.0003	0.16	0.16	113
EX4S48	100YR-24HR	9.98	7.00	0.0003	0.19	0.26	113
EX4S49	100YR-24HR	10.45	6.72	0.0001	8.12	8.05	2692
EX4S50	100YR-24HR	8.91	6.70	0.0009	1.31	1.31	113
EX4S50A	100YR-24HR	8.90	6.69	0.0005	3.81	3.80	1034
EX4S51	100YR-24HR	11.00	5.95	0.0504	5.85	57.08	277
EX4S51A	100YR-24HR	8.90	6.63	0.0006	3.80	3.80	336
EX4S54	100YR-24HR	11.00	5.68	0.0002	3.19	3.19	1038
EX4S57	100YR-24HR	10.00	6.31	0.0001	3.27	3.27	119
EX4S58	100YR-24HR	11.00	7.23	0.0001	0.69	0.69	113
EX4S59	100YR-24HR	13.00	8.12	0.0000	0.38	0.38	113
EX4S60	100YR-24HR	11.00	7.99	0.0000	0.43	0.43	1248
EX4S61	100YR-24HR	11.00	7.49	0.0000	0.91	0.90	3302
EX4S64	100YR-24HR	10.00	6.73	0.0001	1.37	1.33	952
EX4S67	100YR-24HR	10.00	6.76	0.0001	8.14	8.12	454
EX4S69	100YR-24HR	10.00	6.80	0.0006	8.04	6.97	276
EX4S69+A	100YR-24HR	10.00	6.80	0.0010	4.43	5.56	113
EX4S70	100YR-24HR	11.00	6.91	0.0000	0.97	0.97	115
EX4S71	100YR-24HR	11.00	7.57	0.0003	3.20	3.20	113
EX4S72	100YR-24HR	11.00	8.34	0.0000	1.40	1.31	8423
EX4S73	100YR-24HR	11.00	7.68	0.0000	1.07	1.07	134
EX4S74	100YR-24HR	11.00	7.64	0.0001	1.09	1.09	113
EX4S75	100YR-24HR	26.12	22.97	0.0003	1.24	1.24	113
EX4S76	100YR-24HR	25.91	22.96	0.0003	1.19	1.19	113
EX4S78	100YR-24HR	20.72	13.84	0.0002	0.70	0.70	113
EX5S17	100YR-24HR	9.99	5.84	0.0001	0.59	0.59	113
EX5S33	100YR-24HR	12.66	7.69	0.0001	0.24	0.24	116
O401	100YR-24HR	3.45	1.45	0.0000	33.18	0.23	0
O402	100YR-24HR	3.45	1.45	0.0000	16.01	0.00	0
POND401	100YR-24HR	10.00	8.04	0.0001	8.95	8.93	31688
POND402	100YR-24HR	10.00	6.73	0.0001	3.37	2.65	16677
POND403	100YR-24HR	10.00	6.75	0.0001	1.79	1.56	6391
POND404	100YR-24HR	10.00	6.73	0.0001	9.66	8.89	13248
POND405	100YR-24HR	10.00	6.78	0.0001	8.84	8.14	10517

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND501	100YR-24HR	10.00	6.17	0.0000	0.49	0.00	12807
PR4S02	100YR-24HR	10.90	2.14	0.0003	0.70	0.70	113
PR4S04	100YR-24HR	8.11	2.55	0.0002	0.76	0.76	113
PR4S05	100YR-24HR	7.12	2.14	0.0003	1.30	1.30	113
PR4S06	100YR-24HR	4.95	2.11	0.0006	32.25	32.26	1844
PR4S08	100YR-24HR	5.95	2.14	0.0007	35.21	28.06	2049
PR4S09	100YR-24HR	6.95	2.17	0.0037	42.62	35.21	1100
PR4S10	100YR-24HR	7.03	2.17	0.0005	1.55	1.55	113
PR4S101	100YR-24HR	8.01	3.86	0.0032	8.98	8.88	790
PR4S101A	100YR-24HR	8.15	3.87	0.0033	8.88	1.66	1255
PR4S101B	100YR-24HR	9.00	3.89	0.0009	1.48	1.57	1109
PR4S101C	100YR-24HR	9.78	7.30	0.0008	1.49	1.48	904
PR4S101D	100YR-24HR	12.30	7.61	0.0010	1.49	1.49	1040
PR4S101E	100YR-24HR	11.90	7.75	0.0009	1.49	1.49	639
PR4S102	100YR-24HR	12.64	10.34	0.0001	1.49	1.49	166
PR4S104	100YR-24HR	16.95	11.44	0.0002	0.97	0.97	175
PR4S12	100YR-24HR	9.00	7.02	0.0010	4.03	4.03	113
PR4S12A	100YR-24HR	8.20	4.47	0.0011	53.54	48.26	1669
PR4S12B	100YR-24HR	8.20	5.31	0.0282	75.26	37.35	600
PR4S14A	100YR-24HR	11.75	10.50	0.0689	14.94	120.22	1508
PR4S15	100YR-24HR	27.50	23.40	0.0002	0.95	0.95	113
PR4S16	100YR-24HR	11.38	6.42	0.0018	2.08	0.75	113
PR4S16A	100YR-24HR	8.50	6.41	0.0397	44.95	7.72	1148
PR4S17	100YR-24HR	11.51	6.48	0.0014	1.61	1.87	113
PR4S17A	100YR-24HR	9.00	6.69	0.0003	6.14	6.11	5819
PR4S17B	100YR-24HR	9.19	6.57	0.0003	6.51	6.52	560
PR4S17C	100YR-24HR	8.50	6.47	0.0022	7.45	7.45	405
PR4S19	100YR-24HR	16.07	12.93	0.0002	1.07	1.07	113
PR4S20	100YR-24HR	26.30	23.40	0.0002	0.92	0.92	113
PR4S52	100YR-24HR	11.00	4.99	0.0051	56.38	18.64	1187
PR4S53	100YR-24HR	11.00	4.98	0.0012	9.81	8.43	1184
PR4S55	100YR-24HR	11.00	5.62	0.0232	29.65	3.11	198
PR4S56	100YR-24HR	9.00	5.85	0.0285	0.32	32.70	198
PR4S62	100YR-24HR	9.20	5.46	0.0007	1.74	2.06	164
PR4S63	100YR-24HR	9.30	5.40	0.0005	10.93	10.92	710
PR4S63A	100YR-24HR	9.20	5.38	0.0005	5.78	5.78	634
PR4S63B	100YR-24HR	10.13	7.00	0.0000	0.00	0.00	113
PR4S63C	100YR-24HR	9.25	5.15	0.0008	4.65	4.63	478
PR4S63D	100YR-24HR	9.25	5.16	0.0010	8.27	8.29	478
PR4S63E	100YR-24HR	10.00	7.44	0.0010	3.22	3.22	1571
PR4S65	100YR-24HR	9.90	6.75	0.0002	0.06	0.05	113
PR4S66	100YR-24HR	9.98	6.78	0.0002	0.09	0.10	113
PR4S68	100YR-24HR	9.25	8.18	0.0009	1.20	1.20	194
PR4S79	100YR-24HR	15.24	8.07	0.0002	1.04	1.04	113
PR4S80	100YR-24HR	12.87	7.27	0.0003	1.01	1.01	113
PR4S81	100YR-24HR	11.22	8.05	0.0006	0.82	0.82	113
PR4S83	100YR-24HR	10.00	8.02	0.0010	5.80	5.84	856

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR4S84	100YR-24HR	9.30	8.00	0.0010	5.84	5.83	382
PR4S84B	100YR-24HR	10.00	7.46	0.0008	3.22	3.22	113
PR4S85	100YR-24HR	9.45	8.02	0.0007	1.97	1.92	612
PR4S86	100YR-24HR	9.58	8.01	0.0005	2.31	2.32	463
PR4S87	100YR-24HR	10.00	7.96	0.0020	3.43	3.44	203
PR4S90	100YR-24HR	10.20	7.95	0.0020	4.37	4.37	665
PR4S91+A	100YR-24HR	4.95	2.33	0.0021	16.05	16.01	113
PR4S91+B	100YR-24HR	4.95	1.53	0.0010	16.01	16.01	113
PR4S92	100YR-24HR	6.74	2.41	0.0003	1.62	1.62	113
PR4S93	100YR-24HR	10.20	2.36	0.0001	0.59	0.60	113
PR4S94	100YR-24HR	8.39	2.47	0.0002	0.81	0.81	113
PR4S95	100YR-24HR	4.95	2.35	0.0005	15.74	15.78	692
PR4S96	100YR-24HR	4.95	2.39	0.0002	14.71	14.70	996
PR4S97	100YR-24HR	6.44	2.42	0.0006	12.87	12.88	404
PR4S98	100YR-24HR	5.85	3.33	0.0015	1.27	2.89	113
PR4S98A	100YR-24HR	7.40	3.20	0.0004	12.54	12.52	691
PR4S98B	100YR-24HR	6.70	2.58	0.0008	11.73	11.74	670
PR4S99	100YR-24HR	6.70	3.33	0.0009	11.75	10.28	422
PR5S01+A	100YR-24HR	10.70	3.54	0.0002	1.57	1.60	470
PR5S01+B	100YR-24HR	10.70	7.43	0.0010	0.77	0.77	650
PR5S02	100YR-24HR	9.79	4.69	0.0001	0.55	0.55	113
PR5S03	100YR-24HR	9.79	4.62	0.0008	0.54	0.60	113
PR5S04+A	100YR-24HR	11.65	4.39	0.0004	6.63	6.63	459
PR5S04+B	100YR-24HR	11.65	7.71	0.0009	4.37	4.37	577
PR5S05	100YR-24HR	10.70	3.54	0.0002	2.61	2.57	773
PR5S06	100YR-24HR	9.87	4.82	0.0002	0.95	0.95	113
PR5S07	100YR-24HR	9.13	4.69	0.0007	0.93	0.93	113
PR5S08	100YR-24HR	10.82	4.29	0.0003	5.33	5.51	759
PR5S09	100YR-24HR	10.08	3.54	0.0002	3.51	3.51	773
PR5S10	100YR-24HR	9.93	4.82	0.0002	0.95	0.95	113
PR5S11	100YR-24HR	9.93	4.68	0.0002	0.70	0.70	113
PR5S12	100YR-24HR	9.20	4.29	0.0008	3.32	2.31	638
PR5S13	100YR-24HR	9.95	5.48	0.0002	0.84	0.84	113
PR5S14	100YR-24HR	9.75	4.29	0.0010	0.84	1.66	200
PR5S14A	100YR-24HR	8.00	3.00	0.0000	0.00	0.00	113
PR5S15	100YR-24HR	10.40	3.57	0.0002	4.78	4.78	743
PR5S16	100YR-24HR	9.98	4.94	0.0003	1.42	1.42	113
PR5S18	100YR-24HR	9.43	5.27	0.0002	2.43	2.42	296
PR5S19	100YR-24HR	10.47	5.54	0.0003	3.93	3.93	184
PR5S20A	100YR-24HR	9.60	5.28	0.0003	4.23	4.22	353
PR5S20B	100YR-24HR	9.40	5.52	0.0001	0.14	0.17	334
PR5S21A	100YR-24HR	9.79	3.62	0.0002	4.40	4.39	666
PR5S21B	100YR-24HR	9.94	6.19	0.0056	6.37	3.09	526
PR5S21C	100YR-24HR	9.33	6.96	0.0008	2.83	1.93	292
PR5S22	100YR-24HR	10.42	4.74	0.0002	0.78	0.78	113
PR5S22A	100YR-24HR	10.67	5.79	0.0001	3.55	3.55	308
PR5S23	100YR-24HR	10.87	5.95	0.0001	3.20	3.20	273

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR5S24	100YR-24HR	10.95	6.20	0.0056	0.78	6.37	113
PR5S24A	100YR-24HR	11.06	6.07	0.0001	2.91	2.91	249
PR5S25	100YR-24HR	11.28	6.17	0.0002	2.60	2.60	246
PR5S26	100YR-24HR	11.55	6.32	0.0002	2.27	2.27	208
PR5S27	100YR-24HR	11.54	6.96	0.0010	1.47	2.41	218
PR5S29	100YR-24HR	11.74	7.07	0.0003	2.03	2.03	116
PR5S30	100YR-24HR	12.45	8.37	0.0006	1.58	1.58	242
PR5S31	100YR-24HR	12.31	7.38	0.0001	0.73	0.73	291
PR5S32	100YR-24HR	13.06	8.88	0.0002	1.00	1.00	253
SWALE 4E1	100YR-24HR	8.17	4.93	0.0008	8.06	7.83	23442
SWALE 4W1	100YR-24HR	7.45	4.96	0.0005	2.30	2.27	6377
4GW1	100YR-8HR	7.45	2.65	0.0000	6.79	0.00	0
4GW10	100YR-8HR	7.45	2.65	0.0000	6.26	0.00	0
4GW11	100YR-8HR	7.45	2.65	0.0000	32.69	0.00	0
4GW2	100YR-8HR	7.45	2.65	0.0000	7.25	0.00	0
4GW3	100YR-8HR	7.45	2.65	0.0000	2.92	0.00	0
4GW4	100YR-8HR	7.45	2.65	0.0000	16.62	0.00	0
4GW6	100YR-8HR	7.45	2.65	0.0000	4.17	0.00	0
4GW7	100YR-8HR	7.45	2.65	0.0000	9.43	0.00	0
4GW8	100YR-8HR	7.45	2.65	0.0000	23.40	0.00	0
4GW9	100YR-8HR	7.45	2.65	0.0000	13.99	0.00	0
5GW1	100YR-8HR	7.45	2.65	0.0000	7.88	0.00	0
5GW2	100YR-8HR	7.45	2.65	0.0000	7.84	0.00	0
5GW3	100YR-8HR	7.45	2.65	0.0000	8.10	0.00	0
5GW4	100YR-8HR	7.45	2.65	0.0000	9.02	0.00	0
5GW5	100YR-8HR	7.45	2.65	0.0000	9.68	0.00	0
5GW6	100YR-8HR	7.45	2.65	0.0000	9.32	0.00	0
5GW7	100YR-8HR	7.45	2.65	0.0000	10.56	0.00	0
CH4_2+A	100YR-8HR	10.09	7.68	0.0008	19.79	19.95	7773
EX4S03+A	100YR-8HR	5.45	2.59	0.0006	93.60	93.59	856
EX4S03+B	100YR-8HR	5.45	1.82	0.0026	93.59	93.59	113
EX4S106	100YR-8HR	24.00	18.30	0.0001	2.47	2.47	113
EX4S107	100YR-8HR	30.00	25.17	0.0002	2.31	2.31	113
EX4S108	100YR-8HR	21.00	18.40	0.0001	1.26	1.26	113
EX4S109	100YR-8HR	28.00	25.29	0.0001	1.18	1.18	113
EX4S11	100YR-8HR	10.25	9.00	0.0263	5.86	29.71	113
EX4S14	100YR-8HR	11.75	10.50	0.0132	1.99	14.94	113
EX4S18	100YR-8HR	12.28	7.55	0.0007	1.53	2.07	113
EX4S21	100YR-8HR	30.00	27.55	0.0001	1.14	1.14	113
EX4S22	100YR-8HR	24.00	22.18	0.0003	0.85	0.85	113
EX4S23	100YR-8HR	19.00	16.00	0.0002	2.51	2.51	113
EX4S24	100YR-8HR	11.00	8.77	0.0002	1.42	1.41	113
EX4S25	100YR-8HR	11.00	8.91	0.0001	1.74	1.74	113
EX4S26	100YR-8HR	28.00	26.57	0.0001	2.31	2.31	113
EX4S27	100YR-8HR	23.00	20.92	0.0001	2.03	2.03	113
EX4S28	100YR-8HR	18.00	14.73	0.0002	4.06	4.06	113
EX4S29	100YR-8HR	16.00	8.11	0.0002	9.47	9.46	374

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S30	100YR-8HR	14.00	8.46	0.0002	8.87	8.86	457
EX4S31	100YR-8HR	13.00	8.73	0.0002	7.87	7.86	409
EX4S32	100YR-8HR	13.00	9.08	0.0004	2.84	2.84	113
EX4S33	100YR-8HR	12.70	8.82	0.0004	4.57	4.57	280
EX4S35	100YR-8HR	9.95	7.64	0.0002	10.57	10.72	641
EX4S36	100YR-8HR	9.52	7.70	0.0002	12.05	10.95	2345
EX4S37	100YR-8HR	10.00	9.66	0.0009	9.14	9.03	310
EX4S38	100YR-8HR	10.00	9.36	0.0008	9.83	9.67	483
EX4S39	100YR-8HR	11.00	9.00	0.0007	12.55	12.42	561
EX4S40	100YR-8HR	12.00	8.79	0.0007	13.09	12.97	564
EX4S41	100YR-8HR	12.00	8.55	0.0006	13.32	13.25	392
EX4S42	100YR-8HR	13.00	8.42	0.0006	15.99	15.95	564
EX4S43	100YR-8HR	11.00	7.78	0.0010	16.26	16.09	1501
EX4S43A	100YR-8HR	11.00	8.03	0.0010	15.95	15.92	990
EX4S44	100YR-8HR	11.00	7.64	0.0010	13.45	13.35	732
EX4S45	100YR-8HR	11.00	7.60	0.0010	15.87	15.28	2230
EX4S46	100YR-8HR	8.83	7.61	0.0006	11.47	11.80	1129
EX4S46A	100YR-8HR	10.90	7.60	0.0010	11.80	12.38	1831
EX4S47	100YR-8HR	9.90	7.71	0.0006	0.49	0.59	113
EX4S48	100YR-8HR	9.98	7.71	0.0007	0.57	0.78	113
EX4S49	100YR-8HR	10.45	7.70	0.0027	20.12	19.79	2941
EX4S50	100YR-8HR	8.91	7.73	0.0010	3.93	3.88	113
EX4S50A	100YR-8HR	8.90	7.67	0.0006	10.62	10.81	1795
EX4S51	100YR-8HR	11.00	7.46	0.0504	14.27	57.08	277
EX4S51A	100YR-8HR	8.90	7.66	0.0006	10.81	10.87	526
EX4S54	100YR-8HR	11.00	7.45	0.0011	10.10	9.38	1082
EX4S57	100YR-8HR	10.00	10.09	0.0032	9.13	8.38	56927
EX4S58	100YR-8HR	11.00	9.08	0.0007	2.00	2.12	113
EX4S59	100YR-8HR	13.00	8.47	0.0004	1.11	1.45	113
EX4S60	100YR-8HR	11.00	8.22	0.0000	1.27	1.72	2203
EX4S61	100YR-8HR	11.00	7.76	0.0001	2.70	3.07	5243
EX4S64	100YR-8HR	10.00	7.70	0.0002	12.16	11.61	1384
EX4S67	100YR-8HR	10.00	7.80	0.0004	22.58	22.57	454
EX4S69	100YR-8HR	10.00	7.88	0.0009	20.89	20.83	294
EX4S69+A	100YR-8HR	10.00	7.91	0.0015	15.95	15.93	113
EX4S70	100YR-8HR	11.00	7.61	0.0001	2.70	2.65	119
EX4S71	100YR-8HR	11.00	9.16	0.0018	8.95	9.69	113
EX4S72	100YR-8HR	11.00	8.65	0.0001	3.96	3.04	13308
EX4S73	100YR-8HR	11.00	8.15	0.0001	3.07	3.07	137
EX4S74	100YR-8HR	11.00	7.97	0.0011	3.02	4.08	113
EX4S75	100YR-8HR	26.12	23.39	0.0003	3.73	3.73	113
EX4S76	100YR-8HR	25.91	23.37	0.0003	3.57	3.57	113
EX4S78	100YR-8HR	20.72	14.14	0.0002	2.11	2.11	113
EX5S17	100YR-8HR	9.99	7.89	0.0010	1.78	3.54	113
EX5S33	100YR-8HR	12.66	7.88	0.0001	0.73	0.73	134
O401	100YR-8HR	3.45	1.45	0.0000	93.59	0.22	0
O402	100YR-8HR	3.45	1.45	0.0000	45.74	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND401	100YR-8HR	10.00	8.16	0.0004	35.03	17.46	31871
POND402	100YR-8HR	10.00	7.70	0.0002	10.86	9.51	17999
POND403	100YR-8HR	10.00	7.70	0.0002	14.21	12.16	7274
POND404	100YR-8HR	10.00	7.71	0.0001	25.40	25.45	14269
POND405	100YR-8HR	10.00	7.82	0.0001	24.58	22.58	11676
POND501	100YR-8HR	10.00	6.42	0.0001	5.22	0.00	13036
PR4S02	100YR-8HR	10.90	2.66	0.0006	2.11	2.10	113
PR4S04	100YR-8HR	8.11	2.95	0.0009	2.27	2.45	113
PR4S05	100YR-8HR	7.12	2.88	0.0009	3.88	5.09	113
PR4S06	100YR-8HR	4.95	2.82	0.0006	90.88	90.87	1844
PR4S08	100YR-8HR	5.95	2.98	0.0007	78.71	78.73	2049
PR4S09	100YR-8HR	6.95	3.16	0.0037	63.80	63.88	1523
PR4S10	100YR-8HR	7.03	3.16	0.0008	4.66	4.64	113
PR4S101	100YR-8HR	8.01	5.57	0.0032	26.48	26.47	789
PR4S101A	100YR-8HR	8.15	5.58	0.0033	8.88	6.60	1301
PR4S101B	100YR-8HR	9.00	5.60	0.0010	4.45	6.34	1170
PR4S101C	100YR-8HR	9.78	7.63	0.0010	4.45	4.45	1104
PR4S101D	100YR-8HR	12.30	8.05	0.0009	4.46	4.45	1225
PR4S101E	100YR-8HR	11.90	8.24	0.0010	4.46	4.46	787
PR4S102	100YR-8HR	12.64	10.93	0.0002	4.46	4.46	184
PR4S104	100YR-8HR	16.95	11.77	0.0002	2.92	2.92	175
PR4S12	100YR-8HR	9.00	7.99	0.0010	12.09	12.09	113
PR4S12A	100YR-8HR	8.20	4.49	0.0010	54.08	47.03	1673
PR4S12B	100YR-8HR	8.20	5.36	0.0291	75.26	35.96	600
PR4S14A	100YR-8HR	11.75	10.50	0.0689	21.53	120.22	1509
PR4S15	100YR-8HR	27.50	23.77	0.0002	2.84	2.84	113
PR4S16	100YR-8HR	11.38	7.32	0.0018	2.08	1.42	113
PR4S16A	100YR-8HR	8.50	7.32	0.0397	44.95	17.07	1148
PR4S17	100YR-8HR	11.51	7.45	0.0016	3.49	3.44	113
PR4S17A	100YR-8HR	9.00	7.67	0.0003	14.13	13.68	7532
PR4S17B	100YR-8HR	9.19	7.54	0.0004	14.51	14.54	564
PR4S17C	100YR-8HR	8.50	7.42	0.0021	16.48	16.49	405
PR4S19	100YR-8HR	16.07	13.32	0.0002	3.20	3.20	113
PR4S20	100YR-8HR	26.30	23.74	0.0002	2.76	2.76	113
PR4S52	100YR-8HR	11.00	7.42	0.0055	56.38	24.94	1178
PR4S53	100YR-8HR	11.00	7.34	0.0008	16.21	16.20	1195
PR4S55	100YR-8HR	11.00	6.95	0.0238	29.65	5.59	198
PR4S56	100YR-8HR	9.00	6.94	0.0278	3.42	31.95	198
PR4S62	100YR-8HR	9.20	7.72	0.0010	5.23	5.37	221
PR4S63	100YR-8HR	9.30	7.72	0.0010	30.50	30.32	719
PR4S63A	100YR-8HR	9.20	7.63	0.0010	11.60	11.59	636
PR4S63B	100YR-8HR	10.13	7.63	0.0003	0.11	0.19	113
PR4S63C	100YR-8HR	9.25	6.49	0.0010	7.00	6.98	478
PR4S63D	100YR-8HR	9.25	6.50	0.0010	11.57	11.61	490
PR4S63E	100YR-8HR	10.00	7.96	0.0010	9.65	9.65	1715
PR4S65	100YR-8HR	9.90	7.70	0.0010	0.65	0.14	113
PR4S66	100YR-8HR	9.98	7.83	0.0006	0.28	0.34	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR4S68	100YR-8HR	9.25	8.68	0.0010	3.61	3.61	202
PR4S79	100YR-8HR	15.24	8.30	0.0009	3.12	3.18	113
PR4S80	100YR-8HR	12.87	7.62	0.0003	3.04	3.04	113
PR4S81	100YR-8HR	11.22	8.21	0.0010	2.47	2.48	113
PR4S83	100YR-8HR	10.00	8.16	0.0010	11.92	12.04	1094
PR4S84	100YR-8HR	9.30	8.14	0.0010	7.14	7.13	382
PR4S84B	100YR-8HR	10.00	8.11	0.0010	9.65	9.65	113
PR4S85	100YR-8HR	9.45	8.16	0.0004	7.41	7.37	612
PR4S86	100YR-8HR	9.58	8.16	0.0002	4.28	4.24	464
PR4S87	100YR-8HR	10.00	8.15	0.0020	3.87	3.88	166
PR4S90	100YR-8HR	10.20	8.14	0.0020	5.64	5.63	751
PR4S91+A	100YR-8HR	4.95	2.75	0.0020	45.75	45.74	113
PR4S91+B	100YR-8HR	4.95	2.08	0.0010	45.74	45.74	113
PR4S92	100YR-8HR	6.74	3.33	0.0038	4.86	7.47	113
PR4S93	100YR-8HR	10.20	2.94	0.0002	1.78	1.78	113
PR4S94	100YR-8HR	8.39	3.42	0.0004	2.43	2.43	113
PR4S95	100YR-8HR	4.95	2.90	0.0005	44.93	44.94	690
PR4S96	100YR-8HR	4.95	3.25	0.0014	41.83	41.82	996
PR4S97	100YR-8HR	6.44	3.41	0.0005	36.36	36.36	404
PR4S98	100YR-8HR	5.85	4.91	0.0016	3.81	5.94	113
PR4S98A	100YR-8HR	7.40	4.78	0.0009	37.21	37.13	691
PR4S98B	100YR-8HR	6.70	3.62	0.0005	34.26	34.27	675
PR4S99	100YR-8HR	6.70	4.90	0.0014	32.80	30.73	429
PR5S01+A	100YR-8HR	10.70	5.38	0.0005	6.51	6.51	471
PR5S01+B	100YR-8HR	10.70	7.70	0.0010	4.18	4.18	650
PR5S02	100YR-8HR	9.79	5.40	0.0004	1.66	1.66	113
PR5S03	100YR-8HR	9.79	6.02	0.0013	1.62	3.42	113
PR5S04+A	100YR-8HR	11.65	6.02	0.0009	11.19	11.08	459
PR5S04+B	100YR-8HR	11.65	7.78	0.0010	5.63	5.63	577
PR5S05	100YR-8HR	10.70	5.35	0.0005	7.83	7.82	774
PR5S06	100YR-8HR	9.87	5.38	0.0002	2.84	2.83	113
PR5S07	100YR-8HR	9.13	5.83	0.0013	2.80	4.57	113
PR5S08	100YR-8HR	10.82	5.80	0.0008	9.63	9.34	759
PR5S09	100YR-8HR	10.08	5.36	0.0005	9.19	9.19	774
PR5S10	100YR-8HR	9.93	5.39	0.0002	2.84	2.83	113
PR5S11	100YR-8HR	9.93	5.82	0.0012	2.11	3.33	113
PR5S12	100YR-8HR	9.20	5.80	0.0008	5.76	4.75	639
PR5S13	100YR-8HR	9.95	5.87	0.0002	2.51	2.51	113
PR5S14	100YR-8HR	9.75	5.81	0.0009	2.51	2.49	242
PR5S14A	100YR-8HR	8.00	5.81	0.0008	0.62	0.10	113
PR5S15	100YR-8HR	10.40	5.51	0.0006	13.48	13.48	745
PR5S16	100YR-8HR	9.98	5.60	0.0003	4.26	4.25	113
PR5S18	100YR-8HR	9.43	7.88	0.0013	9.12	9.12	296
PR5S19	100YR-8HR	10.47	8.24	0.0014	11.77	11.77	189
PR5S20A	100YR-8HR	9.60	8.10	0.0010	12.63	12.58	357
PR5S20B	100YR-8HR	9.40	8.10	0.0006	0.81	0.44	349
PR5S21A	100YR-8HR	9.79	5.91	0.0007	14.17	13.06	662

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR5S21B	100YR-8HR	9.94	6.95	0.0056	9.20	9.19	785
PR5S21C	100YR-8HR	9.33	7.44	0.0010	5.74	5.74	316
PR5S22	100YR-8HR	10.42	5.92	0.0016	2.35	5.10	113
PR5S22A	100YR-8HR	10.67	8.36	0.0007	10.64	10.64	325
PR5S23	100YR-8HR	10.87	8.45	0.0007	9.59	9.59	290
PR5S24	100YR-8HR	10.95	6.96	0.0056	2.35	6.37	113
PR5S24A	100YR-8HR	11.06	8.51	0.0007	8.71	8.70	264
PR5S25	100YR-8HR	11.28	8.57	0.0007	7.78	7.78	268
PR5S26	100YR-8HR	11.55	8.61	0.0007	6.81	6.80	230
PR5S27	100YR-8HR	11.54	7.53	0.0010	4.42	4.42	222
PR5S29	100YR-8HR	11.74	8.63	0.0007	6.08	6.08	136
PR5S30	100YR-8HR	12.45	8.80	0.0007	4.74	4.74	301
PR5S31	100YR-8HR	12.31	7.73	0.0001	2.19	2.19	315
PR5S32	100YR-8HR	13.06	9.22	0.0002	3.00	3.00	285
SWALE 4E1	100YR-8HR	8.17	5.45	0.0008	23.31	21.91	26150
SWALE 4W1	100YR-8HR	7.45	5.20	0.0005	6.62	6.58	7181
4GW1	10YR-1HR	7.45	1.45	0.0000	6.36	0.00	0
4GW10	10YR-1HR	7.45	1.45	0.0000	5.83	0.00	0
4GW11	10YR-1HR	7.45	1.45	0.0000	24.73	0.00	0
4GW2	10YR-1HR	7.45	1.45	0.0000	6.56	0.00	0
4GW3	10YR-1HR	7.45	1.45	0.0000	2.48	0.00	0
4GW4	10YR-1HR	7.45	1.45	0.0000	12.44	0.00	0
4GW6	10YR-1HR	7.45	1.45	0.0000	7.72	0.00	0
4GW7	10YR-1HR	7.45	1.45	0.0000	13.69	0.00	0
4GW8	10YR-1HR	7.45	1.45	0.0000	24.87	0.00	0
4GW9	10YR-1HR	7.45	1.45	0.0000	13.31	0.00	0
5GW1	10YR-1HR	7.45	1.45	0.0000	9.08	0.00	0
5GW2	10YR-1HR	7.45	1.45	0.0000	8.96	0.00	0
5GW3	10YR-1HR	7.45	1.45	0.0000	9.34	0.00	0
5GW4	10YR-1HR	7.45	1.45	0.0000	10.66	0.00	0
5GW5	10YR-1HR	7.45	1.45	0.0000	9.44	0.00	0
5GW6	10YR-1HR	7.45	1.45	0.0000	9.32	0.00	0
5GW7	10YR-1HR	7.45	1.45	0.0000	13.19	0.00	0
CH4_2+A	10YR-1HR	10.09	6.38	0.0010	8.06	6.24	5087
EX4S03+A	10YR-1HR	5.45	2.36	0.0006	62.86	62.85	857
EX4S03+B	10YR-1HR	5.45	1.62	0.0025	62.85	62.86	113
EX4S106	10YR-1HR	24.00	18.43	0.0001	3.29	3.28	113
EX4S107	10YR-1HR	30.00	25.30	0.0002	3.07	3.07	113
EX4S108	10YR-1HR	21.00	18.54	0.0001	1.67	1.67	113
EX4S109	10YR-1HR	28.00	25.42	0.0001	1.56	1.56	113
EX4S11	10YR-1HR	10.25	9.00	0.0263	3.06	29.71	113
EX4S14	10YR-1HR	11.75	10.50	0.0132	2.64	14.94	113
EX4S18	10YR-1HR	12.28	7.61	0.0002	1.94	1.94	113
EX4S21	10YR-1HR	30.00	27.63	0.0001	1.51	1.51	113
EX4S22	10YR-1HR	24.00	22.25	0.0005	1.13	1.13	113
EX4S23	10YR-1HR	19.00	16.14	0.0002	3.34	3.34	113
EX4S24	10YR-1HR	11.00	8.91	0.0002	1.89	1.80	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S25	10YR-1HR	11.00	9.05	0.0002	2.32	2.23	129
EX4S26	10YR-1HR	28.00	26.70	0.0001	3.07	3.07	113
EX4S27	10YR-1HR	23.00	21.03	0.0002	2.69	2.69	113
EX4S28	10YR-1HR	18.00	14.92	0.0002	5.39	5.39	113
EX4S29	10YR-1HR	16.00	8.18	0.0003	9.94	9.93	374
EX4S30	10YR-1HR	14.00	8.57	0.0003	9.18	9.18	457
EX4S31	10YR-1HR	13.00	8.85	0.0002	7.95	7.93	408
EX4S32	10YR-1HR	13.00	8.99	0.0004	1.67	1.70	113
EX4S33	10YR-1HR	12.70	8.90	0.0004	3.82	3.84	282
EX4S35	10YR-1HR	9.95	6.35	0.0005	1.66	1.66	327
EX4S36	10YR-1HR	9.52	6.36	0.0005	6.54	6.34	1782
EX4S37	10YR-1HR	10.00	7.42	0.0005	6.94	6.84	310
EX4S38	10YR-1HR	10.00	7.20	0.0005	7.79	7.70	483
EX4S39	10YR-1HR	11.00	6.91	0.0006	11.23	10.79	566
EX4S40	10YR-1HR	12.00	6.76	0.0004	11.46	11.33	564
EX4S41	10YR-1HR	12.00	6.59	0.0004	11.76	11.58	392
EX4S42	10YR-1HR	13.00	6.50	0.0004	13.89	13.68	656
EX4S43	10YR-1HR	11.00	5.75	0.0013	12.88	12.71	1508
EX4S43A	10YR-1HR	11.00	6.18	0.0010	13.68	13.46	1022
EX4S44	10YR-1HR	11.00	5.40	0.0012	8.79	8.74	732
EX4S45	10YR-1HR	11.00	4.90	0.0012	9.19	8.37	2235
EX4S46	10YR-1HR	8.83	6.25	0.0012	2.37	2.36	397
EX4S46A	10YR-1HR	10.90	4.45	0.0011	2.00	5.78	1800
EX4S47	10YR-1HR	9.90	7.25	0.0009	0.65	0.61	113
EX4S48	10YR-1HR	9.98	7.27	0.0010	0.75	0.74	113
EX4S49	10YR-1HR	10.45	6.38	0.0010	6.24	5.22	2716
EX4S50	10YR-1HR	8.91	6.79	0.0015	5.23	5.23	113
EX4S50A	10YR-1HR	8.90	6.37	0.0007	5.23	5.21	789
EX4S51	10YR-1HR	11.00	5.95	0.0504	5.63	57.08	277
EX4S51A	10YR-1HR	8.90	6.30	0.0006	1.91	1.91	260
EX4S54	10YR-1HR	11.00	6.16	0.0002	8.35	8.32	1142
EX4S57	10YR-1HR	10.00	7.71	0.0005	5.60	5.50	113
EX4S58	10YR-1HR	11.00	7.48	0.0007	1.78	2.36	113
EX4S59	10YR-1HR	13.00	8.33	0.0001	1.07	1.07	113
EX4S60	10YR-1HR	11.00	8.19	0.0001	1.28	1.12	2087
EX4S61	10YR-1HR	11.00	7.72	0.0001	2.70	2.02	4999
EX4S64	10YR-1HR	10.00	6.57	0.0002	3.00	2.96	1015
EX4S67	10YR-1HR	10.00	6.41	0.0010	6.20	6.07	531
EX4S69	10YR-1HR	10.00	6.43	0.0008	5.95	6.06	406
EX4S69+A	10YR-1HR	10.00	6.43	0.0006	0.63	0.05	113
EX4S70	10YR-1HR	11.00	7.09	0.0001	1.67	1.67	119
EX4S71	10YR-1HR	11.00	7.82	0.0009	5.75	6.62	113
EX4S72	10YR-1HR	11.00	8.38	0.0001	2.85	1.55	9184
EX4S73	10YR-1HR	11.00	8.02	0.0001	2.51	2.51	137
EX4S74	10YR-1HR	11.00	7.80	0.0001	1.89	1.89	113
EX4S75	10YR-1HR	26.12	23.56	0.0002	4.96	4.96	113
EX4S76	10YR-1HR	25.91	23.54	0.0002	4.74	4.74	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S78	10YR-1HR	20.72	14.26	0.0002	2.80	2.80	113
EX5S17	10YR-1HR	9.99	7.92	0.0016	2.37	4.10	113
EX5S33	10YR-1HR	12.66	8.00	0.0001	0.97	0.96	139
O401	10YR-1HR	3.45	1.45	0.0000	62.86	0.29	0
O402	10YR-1HR	3.45	1.45	0.0000	50.89	0.01	0
POND401	10YR-1HR	10.00	5.51	0.0003	31.43	0.00	26350
POND402	10YR-1HR	10.00	6.36	0.0004	9.46	1.32	16045
POND403	10YR-1HR	10.00	6.80	0.0004	8.09	3.96	6446
POND404	10YR-1HR	10.00	6.38	0.0005	13.89	5.58	12590
POND405	10YR-1HR	10.00	6.42	0.0005	11.07	6.20	10183
POND501	10YR-1HR	10.00	5.39	0.0001	4.61	0.00	12116
PR4S02	10YR-1HR	10.90	2.54	0.0002	2.80	3.00	113
PR4S04	10YR-1HR	8.11	2.90	0.0008	3.02	3.28	113
PR4S05	10YR-1HR	7.12	2.63	0.0010	5.17	5.16	113
PR4S06	10YR-1HR	4.95	2.45	0.0006	60.00	59.99	1844
PR4S08	10YR-1HR	5.95	2.51	0.0007	47.84	47.92	2049
PR4S09	10YR-1HR	6.95	2.58	0.0037	42.62	36.67	1102
PR4S10	10YR-1HR	7.03	2.80	0.0008	6.20	6.18	113
PR4S101	10YR-1HR	8.01	6.22	0.0032	32.57	32.55	790
PR4S101A	10YR-1HR	8.15	6.24	0.0033	8.88	7.53	1334
PR4S101B	10YR-1HR	9.00	6.27	0.0015	5.72	7.22	1172
PR4S101C	10YR-1HR	9.78	7.74	0.0017	5.76	5.72	1122
PR4S101D	10YR-1HR	12.30	8.19	0.0015	5.85	5.76	1491
PR4S101E	10YR-1HR	11.90	8.40	0.0012	5.92	5.85	948
PR4S102	10YR-1HR	12.64	11.18	0.0009	6.15	5.92	184
PR4S104	10YR-1HR	16.95	11.81	0.0008	3.88	4.43	175
PR4S12	10YR-1HR	9.00	8.48	0.0019	16.07	16.06	113
PR4S12A	10YR-1HR	8.20	4.47	0.0011	53.54	48.26	1673
PR4S12B	10YR-1HR	8.20	5.31	0.0282	75.26	37.35	600
PR4S14A	10YR-1HR	11.75	10.50	0.0689	14.94	120.22	1503
PR4S15	10YR-1HR	27.50	23.90	0.0003	3.77	3.77	113
PR4S16	10YR-1HR	11.38	6.23	0.0018	2.08	2.70	113
PR4S16A	10YR-1HR	8.50	6.22	0.0397	44.95	5.84	1148
PR4S17	10YR-1HR	11.51	6.30	0.0014	4.64	4.61	113
PR4S17A	10YR-1HR	9.00	6.37	0.0006	7.07	4.83	5225
PR4S17B	10YR-1HR	9.19	6.31	0.0010	3.83	3.89	682
PR4S17C	10YR-1HR	8.50	6.26	0.0022	5.26	5.27	483
PR4S19	10YR-1HR	16.07	13.48	0.0002	4.26	4.26	113
PR4S20	10YR-1HR	26.30	23.88	0.0002	3.67	3.66	113
PR4S52	10YR-1HR	11.00	5.12	0.0051	56.38	18.64	1192
PR4S53	10YR-1HR	11.00	5.11	0.0012	13.09	12.34	1221
PR4S55	10YR-1HR	11.00	5.62	0.0232	29.65	3.11	198
PR4S56	10YR-1HR	9.00	5.85	0.0285	1.44	32.70	198
PR4S62	10YR-1HR	9.20	7.09	0.0013	6.96	8.46	221
PR4S63	10YR-1HR	9.30	7.08	0.0028	25.14	25.13	759
PR4S63A	10YR-1HR	9.20	6.99	0.0033	12.38	12.31	643
PR4S63B	10YR-1HR	10.13	7.00	0.0000	0.00	0.00	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR4S63C	10YR-1HR	9.25	5.23	0.0014	6.68	6.65	478
PR4S63D	10YR-1HR	9.25	5.24	0.0012	9.36	9.36	478
PR4S63E	10YR-1HR	10.00	8.24	0.0029	12.81	12.74	1774
PR4S65	10YR-1HR	9.90	6.78	0.0008	0.49	0.12	113
PR4S66	10YR-1HR	9.98	6.79	0.0008	0.38	0.24	113
PR4S68	10YR-1HR	9.25	8.91	0.0019	4.80	4.79	202
PR4S79	10YR-1HR	15.24	8.17	0.0004	4.15	4.14	113
PR4S80	10YR-1HR	12.87	7.75	0.0002	4.04	4.04	113
PR4S81	10YR-1HR	11.22	6.88	0.0002	3.29	3.29	113
PR4S83	10YR-1HR	10.00	7.54	0.0017	13.68	13.60	1101
PR4S84	10YR-1HR	9.30	7.55	0.0003	4.37	4.30	394
PR4S84B	10YR-1HR	10.00	8.49	0.0019	12.83	12.81	113
PR4S85	10YR-1HR	9.45	7.73	0.0003	8.54	8.51	615
PR4S86	10YR-1HR	9.58	7.84	0.0002	4.37	4.34	463
PR4S87	10YR-1HR	10.00	7.88	0.0020	4.91	4.87	204
PR4S90	10YR-1HR	10.20	7.87	0.0020	3.82	3.80	835
PR4S91+A	10YR-1HR	4.95	2.84	0.0014	50.89	50.89	113
PR4S91+B	10YR-1HR	4.95	2.23	0.0010	50.89	50.89	113
PR4S92	10YR-1HR	6.74	3.58	0.0037	6.34	7.51	113
PR4S93	10YR-1HR	10.20	3.11	0.0002	2.37	2.31	113
PR4S94	10YR-1HR	8.39	3.74	0.0005	3.24	3.15	113
PR4S95	10YR-1HR	4.95	3.02	0.0004	49.86	49.85	690
PR4S96	10YR-1HR	4.95	3.45	0.0013	46.44	46.15	996
PR4S97	10YR-1HR	6.44	3.64	0.0047	45.47	39.78	426
PR4S98	10YR-1HR	5.85	5.22	0.0014	5.07	6.94	113
PR4S98A	10YR-1HR	7.40	5.07	0.0009	43.07	43.06	691
PR4S98B	10YR-1HR	6.70	3.81	0.0012	38.39	44.61	674
PR4S99	10YR-1HR	6.70	5.22	0.0015	39.81	37.98	429
PR5S01+A	10YR-1HR	10.70	4.87	0.0014	8.24	8.20	477
PR5S01+B	10YR-1HR	10.70	7.79	0.0022	5.70	5.70	650
PR5S02	10YR-1HR	9.79	5.11	0.0001	2.21	2.21	113
PR5S03	10YR-1HR	9.79	5.03	0.0002	2.16	2.15	113
PR5S04+A	10YR-1HR	11.65	4.97	0.0009	8.46	8.48	461
PR5S04+B	10YR-1HR	11.65	7.67	0.0017	3.80	3.79	577
PR5S05	10YR-1HR	10.70	4.79	0.0017	8.96	8.94	780
PR5S06	10YR-1HR	9.87	5.40	0.0002	3.77	3.77	113
PR5S07	10YR-1HR	9.13	5.27	0.0011	3.72	3.72	113
PR5S08	10YR-1HR	10.82	4.89	0.0010	9.31	9.30	761
PR5S09	10YR-1HR	10.08	4.80	0.0010	10.36	10.15	779
PR5S10	10YR-1HR	9.93	5.40	0.0002	3.77	3.77	113
PR5S11	10YR-1HR	9.93	5.16	0.0001	2.80	2.80	113
PR5S12	10YR-1HR	9.20	4.90	0.0009	6.13	6.06	641
PR5S13	10YR-1HR	9.95	6.02	0.0002	3.34	3.34	113
PR5S14	10YR-1HR	9.75	4.91	0.0009	3.34	3.24	202
PR5S14A	10YR-1HR	8.00	3.00	0.0000	0.00	0.00	113
PR5S15	10YR-1HR	10.40	5.00	0.0009	15.49	15.49	748
PR5S16	10YR-1HR	9.98	5.73	0.0002	5.66	5.66	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR5S18	10YR-1HR	9.43	7.91	0.0026	10.65	10.64	297
PR5S19	10YR-1HR	10.47	8.42	0.0016	14.62	14.60	195
PR5S20A	10YR-1HR	9.60	8.19	0.0020	15.02	15.00	359
PR5S20B	10YR-1HR	9.40	8.20	0.0009	2.56	0.82	350
PR5S21A	10YR-1HR	9.79	5.52	0.0009	17.05	15.25	710
PR5S21B	10YR-1HR	9.94	7.15	0.0056	10.97	10.94	786
PR5S21C	10YR-1HR	9.33	7.56	0.0015	6.93	6.92	316
PR5S22	10YR-1HR	10.42	5.53	0.0012	3.13	5.14	113
PR5S22A	10YR-1HR	10.67	8.60	0.0009	13.22	13.20	325
PR5S23	10YR-1HR	10.87	8.73	0.0009	11.91	11.90	290
PR5S24	10YR-1HR	10.95	7.16	0.0056	3.13	6.37	113
PR5S24A	10YR-1HR	11.06	8.84	0.0008	10.89	10.83	264
PR5S25	10YR-1HR	11.28	8.92	0.0008	9.87	9.68	268
PR5S26	10YR-1HR	11.55	8.98	0.0008	8.79	8.58	231
PR5S27	10YR-1HR	11.54	7.73	0.0006	5.81	5.80	222
PR5S29	10YR-1HR	11.74	9.03	0.0008	8.07	7.83	136
PR5S30	10YR-1HR	12.45	9.09	0.0010	6.30	6.30	312
PR5S31	10YR-1HR	12.31	7.93	0.0001	2.89	2.87	316
PR5S32	10YR-1HR	13.06	9.35	0.0002	3.99	3.98	376
SWALE 4E1	10YR-1HR	8.17	5.28	0.0010	23.24	16.62	25290
SWALE 4W1	10YR-1HR	7.45	5.21	0.0010	6.78	6.61	7189
4GW1	10YR-24HR	7.45	2.65	0.0003	2.43	0.00	0
4GW10	10YR-24HR	7.45	2.65	0.0003	5.83	0.00	0
4GW11	10YR-24HR	7.45	2.65	0.0003	17.25	0.00	0
4GW2	10YR-24HR	7.45	2.65	0.0003	3.96	0.00	0
4GW3	10YR-24HR	7.45	2.65	0.0003	1.17	0.00	0
4GW4	10YR-24HR	7.45	2.65	0.0003	6.42	0.00	0
4GW6	10YR-24HR	7.45	2.65	0.0003	0.85	0.00	0
4GW7	10YR-24HR	7.45	2.65	0.0003	13.69	0.00	0
4GW8	10YR-24HR	7.45	2.65	0.0003	6.87	0.00	0
4GW9	10YR-24HR	7.45	2.65	0.0003	5.45	0.00	0
5GW1	10YR-24HR	7.45	2.65	0.0003	1.54	0.00	0
5GW2	10YR-24HR	7.45	2.65	0.0003	1.54	0.00	0
5GW3	10YR-24HR	7.45	2.65	0.0003	1.57	0.00	0
5GW4	10YR-24HR	7.45	2.65	0.0003	1.62	0.00	0
5GW5	10YR-24HR	7.45	2.65	0.0003	2.06	0.00	0
5GW6	10YR-24HR	7.45	2.65	0.0003	2.03	0.00	0
5GW7	10YR-24HR	7.45	2.65	0.0003	3.17	0.00	0
CH4_2+A	10YR-24HR	10.09	6.34	0.0006	4.13	3.99	4984
EX4S03+A	10YR-24HR	5.45	1.85	0.0006	18.99	18.88	855
EX4S03+B	10YR-24HR	5.45	1.47	0.0026	18.88	18.93	113
EX4S106	10YR-24HR	24.00	17.88	0.0001	0.54	0.54	113
EX4S107	10YR-24HR	30.00	24.77	0.0002	0.51	0.51	113
EX4S108	10YR-24HR	21.00	18.00	0.0001	0.28	0.28	113
EX4S109	10YR-24HR	28.00	24.96	0.0001	0.26	0.26	113
EX4S11	10YR-24HR	10.25	9.00	0.0263	1.16	29.71	113
EX4S14	10YR-24HR	11.75	10.50	0.0132	0.44	14.94	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S18	10YR-24HR	12.28	7.21	0.0000	0.34	0.34	113
EX4S21	10YR-24HR	30.00	27.27	0.0001	0.25	0.25	113
EX4S22	10YR-24HR	24.00	21.94	0.0002	0.19	0.19	113
EX4S23	10YR-24HR	19.00	15.58	0.0002	0.55	0.55	113
EX4S24	10YR-24HR	11.00	7.75	0.0001	0.31	0.31	113
EX4S25	10YR-24HR	11.00	8.04	0.0001	0.38	0.38	113
EX4S26	10YR-24HR	28.00	26.17	0.0001	0.51	0.51	113
EX4S27	10YR-24HR	23.00	20.55	0.0001	0.45	0.45	113
EX4S28	10YR-24HR	18.00	14.19	0.0002	0.89	0.89	113
EX4S29	10YR-24HR	16.00	6.95	0.0001	2.04	2.04	350
EX4S30	10YR-24HR	14.00	7.26	0.0001	1.91	1.91	432
EX4S31	10YR-24HR	13.00	7.71	0.0001	1.69	1.69	362
EX4S32	10YR-24HR	13.00	7.94	0.0004	0.57	0.57	113
EX4S33	10YR-24HR	12.70	7.90	0.0004	0.96	0.96	274
EX4S35	10YR-24HR	9.95	6.35	0.0001	0.94	0.92	292
EX4S36	10YR-24HR	9.52	6.36	0.0001	1.16	1.17	1672
EX4S37	10YR-24HR	10.00	5.67	0.0001	2.12	2.12	310
EX4S38	10YR-24HR	10.00	5.60	0.0001	2.32	2.31	483
EX4S39	10YR-24HR	11.00	5.51	0.0001	3.00	2.99	558
EX4S40	10YR-24HR	12.00	5.42	0.0001	3.14	3.14	558
EX4S41	10YR-24HR	12.00	5.32	0.0001	3.22	3.22	388
EX4S42	10YR-24HR	13.00	5.27	0.0001	3.81	3.81	595
EX4S43	10YR-24HR	11.00	4.63	0.0010	3.23	3.20	1500
EX4S43A	10YR-24HR	11.00	5.00	0.0010	3.81	3.80	996
EX4S44	10YR-24HR	11.00	4.45	0.0010	1.63	3.75	732
EX4S45	10YR-24HR	11.00	4.45	0.0010	1.46	5.33	2228
EX4S46	10YR-24HR	8.83	6.16	0.0005	1.23	1.23	352
EX4S46A	10YR-24HR	10.90	4.45	0.0010	1.23	3.59	1781
EX4S47	10YR-24HR	9.90	7.03	0.0002	0.11	0.11	113
EX4S48	10YR-24HR	9.98	6.95	0.0002	0.12	0.12	113
EX4S49	10YR-24HR	10.45	6.34	0.0001	3.97	4.13	2669
EX4S50	10YR-24HR	8.91	6.33	0.0009	0.87	0.86	113
EX4S50A	10YR-24HR	8.90	6.32	0.0005	1.67	1.66	752
EX4S51	10YR-24HR	11.00	5.95	0.0504	2.85	57.08	277
EX4S51A	10YR-24HR	8.90	6.25	0.0006	1.66	1.66	248
EX4S54	10YR-24HR	11.00	5.54	0.0002	1.92	1.92	1001
EX4S57	10YR-24HR	10.00	5.98	0.0001	1.85	1.85	119
EX4S58	10YR-24HR	11.00	7.14	0.0000	0.43	0.43	113
EX4S59	10YR-24HR	13.00	8.07	0.0000	0.24	0.24	113
EX4S60	10YR-24HR	11.00	7.93	0.0000	0.28	0.27	1000
EX4S61	10YR-24HR	11.00	7.39	0.0000	0.58	0.57	2537
EX4S64	10YR-24HR	10.00	6.41	0.0000	1.01	1.00	848
EX4S67	10YR-24HR	10.00	6.36	0.0001	2.25	2.23	432
EX4S69	10YR-24HR	10.00	6.37	0.0005	1.46	1.45	263
EX4S69+A	10YR-24HR	10.00	6.37	0.0001	0.01	0.00	113
EX4S70	10YR-24HR	11.00	6.77	0.0000	0.54	0.54	113
EX4S71	10YR-24HR	11.00	7.34	0.0001	1.82	1.82	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S72	10YR-24HR	11.00	8.20	0.0000	0.82	0.75	6346
EX4S73	10YR-24HR	11.00	7.55	0.0000	0.64	0.64	126
EX4S74	10YR-24HR	11.00	7.51	0.0001	0.60	0.60	113
EX4S75	10YR-24HR	26.12	22.87	0.0003	0.82	0.82	113
EX4S76	10YR-24HR	25.91	22.86	0.0003	0.78	0.78	113
EX4S78	10YR-24HR	20.72	13.75	0.0002	0.46	0.46	113
EX5S17	10YR-24HR	9.99	5.78	0.0001	0.39	0.39	113
EX5S33	10YR-24HR	12.66	7.65	0.0001	0.16	0.16	113
O401	10YR-24HR	3.45	1.45	0.0000	18.93	0.30	0
O402	10YR-24HR	3.45	1.45	0.0000	10.53	0.04	0
POND401	10YR-24HR	10.00	7.72	0.0001	7.80	3.34	30986
POND402	10YR-24HR	10.00	6.36	0.0001	1.49	0.79	16035
POND403	10YR-24HR	10.00	6.57	0.0000	1.09	1.06	6063
POND404	10YR-24HR	10.00	6.35	0.0001	4.21	3.97	12527
POND405	10YR-24HR	10.00	6.36	0.0001	2.58	2.25	10126
POND501	10YR-24HR	10.00	5.59	0.0000	0.23	0.00	12271
PR4S02	10YR-24HR	10.90	2.04	0.0002	0.46	0.55	113
PR4S04	10YR-24HR	8.11	2.46	0.0002	0.50	0.50	113
PR4S05	10YR-24HR	7.12	1.91	0.0002	0.86	0.93	113
PR4S06	10YR-24HR	4.95	1.86	0.0006	23.33	18.40	1844
PR4S08	10YR-24HR	5.95	1.86	0.0007	35.21	23.54	2049
PR4S09	10YR-24HR	6.95	1.87	0.0037	42.62	35.21	1100
PR4S10	10YR-24HR	7.03	1.90	0.0005	1.03	1.02	113
PR4S101	10YR-24HR	8.01	3.69	0.0032	6.00	8.88	790
PR4S101A	10YR-24HR	8.15	3.69	0.0033	8.88	1.16	1248
PR4S101B	10YR-24HR	9.00	3.71	0.0007	0.98	1.05	1053
PR4S101C	10YR-24HR	9.78	7.20	0.0009	0.98	0.98	827
PR4S101D	10YR-24HR	12.30	7.50	0.0010	0.98	0.98	988
PR4S101E	10YR-24HR	11.90	7.62	0.0006	0.98	0.98	628
PR4S102	10YR-24HR	12.64	10.21	0.0001	0.98	0.98	156
PR4S104	10YR-24HR	16.95	11.34	0.0002	0.64	0.64	175
PR4S12	10YR-24HR	9.00	6.80	0.0010	2.66	2.66	113
PR4S12A	10YR-24HR	8.20	4.47	0.0011	53.54	48.26	1668
PR4S12B	10YR-24HR	8.20	5.31	0.0282	75.26	37.35	600
PR4S14A	10YR-24HR	11.75	10.50	0.0689	14.94	120.22	1479
PR4S15	10YR-24HR	27.50	23.32	0.0002	0.62	0.62	113
PR4S16	10YR-24HR	11.38	6.06	0.0018	2.08	0.57	113
PR4S16A	10YR-24HR	8.50	6.05	0.0397	44.95	4.61	1148
PR4S17	10YR-24HR	11.51	6.10	0.0014	1.61	1.81	113
PR4S17A	10YR-24HR	9.00	6.31	0.0003	3.55	3.53	5130
PR4S17B	10YR-24HR	9.19	6.20	0.0003	3.78	3.79	529
PR4S17C	10YR-24HR	8.50	6.10	0.0022	4.44	4.41	393
PR4S19	10YR-24HR	16.07	12.84	0.0002	0.70	0.70	113
PR4S20	10YR-24HR	26.30	23.31	0.0002	0.61	0.61	113
PR4S52	10YR-24HR	11.00	4.07	0.0051	56.38	18.64	1185
PR4S53	10YR-24HR	11.00	3.95	0.0012	9.81	8.43	902
PR4S55	10YR-24HR	11.00	5.62	0.0232	29.65	3.11	198

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR4S56	10YR-24HR	9.00	5.85	0.0285	0.19	32.70	198
PR4S62	10YR-24HR	9.20	5.35	0.0003	1.15	1.15	164
PR4S63	10YR-24HR	9.30	4.27	0.0005	6.44	6.41	709
PR4S63A	10YR-24HR	9.20	4.26	0.0005	3.44	3.42	634
PR4S63B	10YR-24HR	10.13	7.00	0.0000	0.00	0.00	113
PR4S63C	10YR-24HR	9.25	4.02	0.0007	2.59	2.73	478
PR4S63D	10YR-24HR	9.25	4.03	0.0010	4.62	4.71	478
PR4S63E	10YR-24HR	10.00	7.34	0.0010	2.13	2.14	1518
PR4S65	10YR-24HR	9.90	6.57	0.0002	0.06	0.04	113
PR4S66	10YR-24HR	9.98	6.65	0.0002	0.06	0.06	113
PR4S68	10YR-24HR	9.25	8.06	0.0009	0.79	0.79	184
PR4S79	10YR-24HR	15.24	7.73	0.0002	0.69	0.74	113
PR4S80	10YR-24HR	12.87	7.18	0.0003	0.67	0.67	113
PR4S81	10YR-24HR	11.22	7.73	0.0006	0.54	0.73	113
PR4S83	10YR-24HR	10.00	7.71	0.0010	3.63	3.67	856
PR4S84	10YR-24HR	9.30	7.70	0.0010	3.36	3.35	382
PR4S84B	10YR-24HR	10.00	7.35	0.0009	2.12	2.13	113
PR4S85	10YR-24HR	9.45	7.70	0.0004	1.78	1.78	612
PR4S86	10YR-24HR	9.58	7.70	0.0003	1.30	1.31	456
PR4S87	10YR-24HR	10.00	7.64	0.0020	1.76	2.23	204
PR4S90	10YR-24HR	10.20	7.64	0.0020	2.23	2.11	631
PR4S91+A	10YR-24HR	4.95	2.23	0.0021	10.62	10.53	113
PR4S91+B	10YR-24HR	4.95	1.48	0.0010	10.53	10.53	113
PR4S92	10YR-24HR	6.74	2.27	0.0004	1.07	1.07	113
PR4S93	10YR-24HR	10.20	2.25	0.0001	0.39	0.39	113
PR4S94	10YR-24HR	8.39	2.34	0.0002	0.54	0.54	113
PR4S95	10YR-24HR	4.95	2.24	0.0005	10.36	10.45	691
PR4S96	10YR-24HR	4.95	2.26	0.0002	9.69	9.68	996
PR4S97	10YR-24HR	6.44	2.27	0.0008	8.47	8.49	404
PR4S98	10YR-24HR	5.85	3.02	0.0010	0.84	1.92	113
PR4S98A	10YR-24HR	7.40	2.87	0.0004	8.08	8.08	682
PR4S98B	10YR-24HR	6.70	2.39	0.0008	7.72	7.72	656
PR4S99	10YR-24HR	6.70	3.02	0.0010	7.78	6.73	407
PR5S01+A	10YR-24HR	10.70	3.17	0.0002	0.78	0.77	470
PR5S01+B	10YR-24HR	10.70	7.34	0.0010	0.35	0.14	650
PR5S02	10YR-24HR	9.79	4.62	0.0001	0.37	0.37	113
PR5S03	10YR-24HR	9.79	4.51	0.0006	0.36	0.36	113
PR5S04+A	10YR-24HR	11.65	3.41	0.0003	3.00	2.99	459
PR5S04+B	10YR-24HR	11.65	7.55	0.0006	2.11	2.11	577
PR5S05	10YR-24HR	10.70	3.17	0.0002	1.69	1.68	772
PR5S06	10YR-24HR	9.87	4.72	0.0002	0.62	0.62	113
PR5S07	10YR-24HR	9.13	4.60	0.0007	0.62	0.62	113
PR5S08	10YR-24HR	10.82	3.39	0.0002	2.42	2.44	759
PR5S09	10YR-24HR	10.08	3.17	0.0002	2.42	2.40	772
PR5S10	10YR-24HR	9.93	4.72	0.0002	0.62	0.62	113
PR5S11	10YR-24HR	9.93	4.60	0.0002	0.46	0.46	113
PR5S12	10YR-24HR	9.20	3.39	0.0002	1.12	1.06	638

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR5S13	10YR-24HR	9.95	5.39	0.0002	0.55	0.55	113
PR5S14	10YR-24HR	9.75	3.39	0.0002	0.55	0.62	199
PR5S14A	10YR-24HR	8.00	3.00	0.0000	0.00	0.00	113
PR5S15	10YR-24HR	10.40	3.18	0.0002	3.15	3.13	743
PR5S16	10YR-24HR	9.98	4.81	0.0003	0.94	0.94	113
PR5S18	10YR-24HR	9.43	4.42	0.0002	1.59	1.58	296
PR5S19	10YR-24HR	10.47	5.36	0.0004	2.59	2.59	176
PR5S20A	10YR-24HR	9.60	4.42	0.0004	2.75	2.75	225
PR5S20B	10YR-24HR	9.40	5.46	0.0000	0.08	0.08	313
PR5S21A	10YR-24HR	9.79	3.21	0.0002	2.85	2.83	658
PR5S21B	10YR-24HR	9.94	6.02	0.0056	6.37	2.00	514
PR5S21C	10YR-24HR	9.33	6.84	0.0007	1.83	1.25	276
PR5S22	10YR-24HR	10.42	4.67	0.0001	0.52	0.52	113
PR5S22A	10YR-24HR	10.67	5.63	0.0001	2.34	2.34	290
PR5S23	10YR-24HR	10.87	5.79	0.0001	2.11	2.11	258
PR5S24	10YR-24HR	10.95	6.02	0.0056	0.52	6.37	113
PR5S24A	10YR-24HR	11.06	5.91	0.0001	1.92	1.92	235
PR5S25	10YR-24HR	11.28	6.02	0.0001	1.71	1.71	230
PR5S26	10YR-24HR	11.55	6.19	0.0002	1.50	1.50	194
PR5S27	10YR-24HR	11.54	6.88	0.0010	0.97	1.61	213
PR5S29	10YR-24HR	11.74	6.95	0.0003	1.34	1.34	113
PR5S30	10YR-24HR	12.45	8.26	0.0005	1.04	1.04	218
PR5S31	10YR-24HR	12.31	7.30	0.0001	0.48	0.48	274
PR5S32	10YR-24HR	13.06	8.80	0.0002	0.66	0.66	236
SWALE 4E1	10YR-24HR	8.17	4.77	0.0007	4.96	4.75	22628
SWALE 4W1	10YR-24HR	7.45	4.84	0.0005	1.39	1.36	5992
4GW1	10YR-8HR	7.45	1.45	0.0000	6.00	0.00	0
4GW10	10YR-8HR	7.45	1.45	0.0000	5.83	0.00	0
4GW11	10YR-8HR	7.45	1.45	0.0000	24.41	0.00	0
4GW2	10YR-8HR	7.45	1.45	0.0000	6.19	0.00	0
4GW3	10YR-8HR	7.45	1.45	0.0000	2.28	0.00	0
4GW4	10YR-8HR	7.45	1.45	0.0000	11.65	0.00	0
4GW6	10YR-8HR	7.45	1.45	0.0000	5.19	0.00	0
4GW7	10YR-8HR	7.45	1.45	0.0000	13.69	0.00	0
4GW8	10YR-8HR	7.45	1.45	0.0000	21.56	0.00	0
4GW9	10YR-8HR	7.45	1.45	0.0000	6.65	0.00	0
5GW1	10YR-8HR	7.45	1.45	0.0000	5.44	0.00	0
5GW2	10YR-8HR	7.45	1.45	0.0000	5.43	0.00	0
5GW3	10YR-8HR	7.45	1.45	0.0000	5.56	0.00	0
5GW4	10YR-8HR	7.45	1.45	0.0000	5.95	0.00	0
5GW5	10YR-8HR	7.45	1.45	0.0000	6.06	0.00	0
5GW6	10YR-8HR	7.45	1.45	0.0000	5.99	0.00	0
5GW7	10YR-8HR	7.45	1.45	0.0000	9.86	0.00	0
CH4_2+A	10YR-8HR	10.09	6.69	0.0007	6.76	6.92	5804
EX4S03+A	10YR-8HR	5.45	2.28	0.0006	52.72	52.72	856
EX4S03+B	10YR-8HR	5.45	1.57	0.0025	52.72	52.72	113
EX4S106	10YR-8HR	24.00	18.17	0.0001	1.75	1.75	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S107	10YR-8HR	30.00	25.05	0.0002	1.64	1.64	113
EX4S108	10YR-8HR	21.00	18.27	0.0001	0.89	0.89	113
EX4S109	10YR-8HR	28.00	25.18	0.0001	0.83	0.83	113
EX4S11	10YR-8HR	10.25	9.00	0.0263	3.40	29.71	113
EX4S14	10YR-8HR	11.75	10.50	0.0132	1.41	14.94	113
EX4S18	10YR-8HR	12.28	7.44	0.0001	1.08	1.08	113
EX4S21	10YR-8HR	30.00	27.47	0.0002	0.80	0.80	113
EX4S22	10YR-8HR	24.00	22.11	0.0003	0.60	0.60	113
EX4S23	10YR-8HR	19.00	15.88	0.0002	1.78	1.78	113
EX4S24	10YR-8HR	11.00	8.26	0.0001	1.00	1.00	113
EX4S25	10YR-8HR	11.00	8.44	0.0001	1.23	1.23	113
EX4S26	10YR-8HR	28.00	26.45	0.0001	1.64	1.64	113
EX4S27	10YR-8HR	23.00	20.81	0.0002	1.43	1.43	113
EX4S28	10YR-8HR	18.00	14.57	0.0002	2.87	2.87	113
EX4S29	10YR-8HR	16.00	7.67	0.0002	6.39	6.39	374
EX4S30	10YR-8HR	14.00	7.95	0.0002	5.98	5.97	457
EX4S31	10YR-8HR	13.00	8.23	0.0001	5.27	5.26	409
EX4S32	10YR-8HR	13.00	8.45	0.0004	1.71	1.71	113
EX4S33	10YR-8HR	12.70	8.36	0.0004	2.93	2.93	280
EX4S35	10YR-8HR	9.95	6.68	0.0002	3.14	3.14	395
EX4S36	10YR-8HR	9.52	6.71	0.0002	5.51	5.06	1953
EX4S37	10YR-8HR	10.00	7.01	0.0004	6.39	6.37	310
EX4S38	10YR-8HR	10.00	6.82	0.0003	6.99	6.98	483
EX4S39	10YR-8HR	11.00	6.58	0.0002	9.12	9.09	563
EX4S40	10YR-8HR	12.00	6.46	0.0002	9.56	9.52	564
EX4S41	10YR-8HR	12.00	6.31	0.0002	9.78	9.75	392
EX4S42	10YR-8HR	13.00	6.23	0.0002	11.60	11.57	648
EX4S43	10YR-8HR	11.00	5.49	0.0010	10.65	10.61	1505
EX4S43A	10YR-8HR	11.00	5.93	0.0010	11.57	11.53	1021
EX4S44	10YR-8HR	11.00	5.19	0.0012	6.97	6.95	732
EX4S45	10YR-8HR	11.00	4.49	0.0012	7.08	6.90	2234
EX4S46	10YR-8HR	8.83	6.40	0.0006	3.82	3.82	537
EX4S46A	10YR-8HR	10.90	4.45	0.0012	3.82	5.78	1830
EX4S47	10YR-8HR	9.90	7.15	0.0005	0.34	0.34	113
EX4S48	10YR-8HR	9.98	7.12	0.0005	0.40	0.41	113
EX4S49	10YR-8HR	10.45	6.70	0.0003	6.71	6.76	2754
EX4S50	10YR-8HR	8.91	6.70	0.0010	2.78	2.76	113
EX4S50A	10YR-8HR	8.90	6.68	0.0006	3.72	3.70	1022
EX4S51	10YR-8HR	11.00	5.95	0.0504	6.74	57.08	277
EX4S51A	10YR-8HR	8.90	6.62	0.0006	3.70	3.70	332
EX4S54	10YR-8HR	11.00	5.95	0.0002	5.94	6.07	1136
EX4S57	10YR-8HR	10.00	7.31	0.0005	5.54	5.51	120
EX4S58	10YR-8HR	11.00	7.39	0.0002	1.33	1.33	113
EX4S59	10YR-8HR	13.00	8.25	0.0001	0.75	0.75	113
EX4S60	10YR-8HR	11.00	8.13	0.0000	0.87	0.85	1816
EX4S61	10YR-8HR	11.00	7.67	0.0000	1.84	1.73	4605
EX4S64	10YR-8HR	10.00	6.71	0.0001	2.60	2.45	945

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S67	10YR-8HR	10.00	6.72	0.0006	5.53	5.43	454
EX4S69	10YR-8HR	10.00	6.73	0.0006	4.45	4.39	285
EX4S69+A	10YR-8HR	10.00	6.73	0.0002	0.10	0.01	113
EX4S70	10YR-8HR	11.00	7.08	0.0001	1.63	1.63	119
EX4S71	10YR-8HR	11.00	7.82	0.0010	5.45	6.25	113
EX4S72	10YR-8HR	11.00	8.45	0.0001	2.48	1.91	10247
EX4S73	10YR-8HR	11.00	7.90	0.0001	1.97	1.97	137
EX4S74	10YR-8HR	11.00	7.78	0.0002	1.80	1.80	113
EX4S75	10YR-8HR	26.12	23.22	0.0003	2.64	2.64	113
EX4S76	10YR-8HR	25.91	23.20	0.0003	2.52	2.52	113
EX4S78	10YR-8HR	20.72	14.02	0.0002	1.49	1.49	113
EX5S17	10YR-8HR	9.99	6.59	0.0013	1.26	3.57	113
EX5S33	10YR-8HR	12.66	7.81	0.0001	0.52	0.52	129
O401	10YR-8HR	3.45	1.45	0.0000	52.72	0.26	0
O402	10YR-8HR	3.45	1.45	0.0000	29.33	0.00	0
POND401	10YR-8HR	10.00	7.75	0.0004	24.30	3.59	31053
POND402	10YR-8HR	10.00	6.70	0.0003	8.67	2.39	16641
POND403	10YR-8HR	10.00	6.79	0.0001	3.41	3.12	6440
POND404	10YR-8HR	10.00	6.70	0.0002	8.37	6.71	13204
POND405	10YR-8HR	10.00	6.72	0.0002	7.87	5.53	10468
POND501	10YR-8HR	10.00	5.35	0.0000	0.65	0.00	12063
PR4S02	10YR-8HR	10.90	2.35	0.0005	1.49	1.53	113
PR4S04	10YR-8HR	8.11	2.74	0.0010	1.61	2.18	113
PR4S05	10YR-8HR	7.12	2.41	0.0008	3.30	3.46	113
PR4S06	10YR-8HR	4.95	2.34	0.0006	50.90	50.89	1844
PR4S08	10YR-8HR	5.95	2.39	0.0007	42.67	42.69	2049
PR4S09	10YR-8HR	6.95	2.45	0.0037	42.62	35.21	1101
PR4S10	10YR-8HR	7.03	2.49	0.0005	3.30	3.29	113
PR4S101	10YR-8HR	8.01	4.47	0.0032	18.57	18.55	791
PR4S101A	10YR-8HR	8.15	4.47	0.0033	8.88	3.94	1292
PR4S101B	10YR-8HR	9.00	4.49	0.0010	3.15	3.70	1171
PR4S101C	10YR-8HR	9.78	7.51	0.0009	3.15	3.15	1044
PR4S101D	10YR-8HR	12.30	7.89	0.0010	3.15	3.15	1170
PR4S101E	10YR-8HR	11.90	8.05	0.0010	3.16	3.15	758
PR4S102	10YR-8HR	12.64	10.69	0.0002	3.16	3.16	184
PR4S104	10YR-8HR	16.95	11.64	0.0002	2.07	2.07	175
PR4S12	10YR-8HR	9.00	7.60	0.0010	8.55	8.55	113
PR4S12A	10YR-8HR	8.20	4.47	0.0011	53.54	48.26	1672
PR4S12B	10YR-8HR	8.20	5.31	0.0282	75.26	37.35	600
PR4S14A	10YR-8HR	11.75	10.50	0.0689	14.94	120.22	1508
PR4S15	10YR-8HR	27.50	23.62	0.0002	2.01	2.01	113
PR4S16	10YR-8HR	11.38	6.45	0.0018	2.08	1.89	113
PR4S16A	10YR-8HR	8.50	6.45	0.0397	44.95	7.88	1148
PR4S17	10YR-8HR	11.51	6.52	0.0014	2.47	3.20	113
PR4S17A	10YR-8HR	9.00	6.67	0.0003	5.59	5.69	5789
PR4S17B	10YR-8HR	9.19	6.58	0.0004	6.21	6.21	560
PR4S17C	10YR-8HR	8.50	6.50	0.0022	7.45	7.46	405

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR4S19	10YR-8HR	16.07	13.16	0.0002	2.27	2.27	113
PR4S20	10YR-8HR	26.30	23.61	0.0002	1.95	1.95	113
PR4S52	10YR-8HR	11.00	5.08	0.0051	56.38	18.64	1192
PR4S53	10YR-8HR	11.00	5.06	0.0012	12.39	12.16	1217
PR4S55	10YR-8HR	11.00	5.62	0.0232	29.65	3.11	198
PR4S56	10YR-8HR	9.00	5.85	0.0285	0.90	32.70	198
PR4S62	10YR-8HR	9.20	6.51	0.0008	3.70	4.38	217
PR4S63	10YR-8HR	9.30	6.51	0.0010	20.12	20.08	735
PR4S63A	10YR-8HR	9.20	6.43	0.0010	10.67	10.66	639
PR4S63B	10YR-8HR	10.13	7.00	0.0000	0.00	0.00	113
PR4S63C	10YR-8HR	9.25	3.34	0.0006	3.38	3.32	478
PR4S63D	10YR-8HR	9.25	3.34	0.0006	5.42	5.41	478
PR4S63E	10YR-8HR	10.00	7.73	0.0010	6.83	6.82	1678
PR4S65	10YR-8HR	9.90	6.79	0.0010	0.34	0.11	113
PR4S66	10YR-8HR	9.98	6.76	0.0004	0.20	0.27	113
PR4S68	10YR-8HR	9.25	8.48	0.0010	2.55	2.55	202
PR4S79	10YR-8HR	15.24	7.76	0.0007	2.21	2.50	113
PR4S80	10YR-8HR	12.87	7.48	0.0003	2.15	2.15	113
PR4S81	10YR-8HR	11.22	7.75	0.0010	1.75	2.14	113
PR4S83	10YR-8HR	10.00	7.73	0.0010	8.85	8.84	1079
PR4S84	10YR-8HR	9.30	7.72	0.0010	3.56	3.54	382
PR4S84B	10YR-8HR	10.00	7.81	0.0010	6.83	6.83	113
PR4S85	10YR-8HR	9.45	7.73	0.0010	5.29	5.28	612
PR4S86	10YR-8HR	9.58	7.72	0.0007	3.03	3.03	458
PR4S87	10YR-8HR	10.00	7.67	0.0020	2.61	2.68	188
PR4S90	10YR-8HR	10.20	7.67	0.0020	2.35	2.34	724
PR4S91+A	10YR-8HR	4.95	2.53	0.0019	29.35	29.33	113
PR4S91+B	10YR-8HR	4.95	1.71	0.0008	29.33	29.33	113
PR4S92	10YR-8HR	6.74	2.77	0.0028	3.51	6.55	113
PR4S93	10YR-8HR	10.20	2.61	0.0001	1.26	1.26	113
PR4S94	10YR-8HR	8.39	2.83	0.0002	1.72	1.83	113
PR4S95	10YR-8HR	4.95	2.59	0.0004	28.94	28.79	692
PR4S96	10YR-8HR	4.95	2.72	0.0008	29.63	26.82	996
PR4S97	10YR-8HR	6.44	2.80	0.0002	22.77	22.77	426
PR4S98	10YR-8HR	5.85	4.08	0.0011	2.70	4.76	113
PR4S98A	10YR-8HR	7.40	3.93	0.0004	25.60	25.59	691
PR4S98B	10YR-8HR	6.70	3.00	0.0003	22.39	22.40	674
PR4S99	10YR-8HR	6.70	4.08	0.0009	23.29	21.52	429
PR5S01+A	10YR-8HR	10.70	3.52	0.0003	4.34	4.34	475
PR5S01+B	10YR-8HR	10.70	7.60	0.0010	2.77	2.77	650
PR5S02	10YR-8HR	9.79	4.88	0.0001	1.18	1.18	113
PR5S03	10YR-8HR	9.79	4.76	0.0004	1.15	1.15	113
PR5S04+A	10YR-8HR	11.65	3.78	0.0004	6.23	6.22	460
PR5S04+B	10YR-8HR	11.65	7.57	0.0010	2.34	2.34	577
PR5S05	10YR-8HR	10.70	3.51	0.0003	5.43	5.42	778
PR5S06	10YR-8HR	9.87	5.07	0.0002	2.01	2.01	113
PR5S07	10YR-8HR	9.13	4.94	0.0007	1.98	1.98	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR5S08	10YR-8HR	10.82	3.72	0.0003	6.00	5.98	760
PR5S09	10YR-8HR	10.08	3.52	0.0003	6.62	6.61	778
PR5S10	10YR-8HR	9.93	5.07	0.0002	2.01	2.01	113
PR5S11	10YR-8HR	9.93	4.89	0.0001	1.49	1.49	113
PR5S12	10YR-8HR	9.20	3.72	0.0003	3.41	3.43	640
PR5S13	10YR-8HR	9.95	5.72	0.0002	1.78	1.78	113
PR5S14	10YR-8HR	9.75	3.73	0.0003	1.78	1.79	201
PR5S14A	10YR-8HR	8.00	3.00	0.0000	0.00	0.00	113
PR5S15	10YR-8HR	10.40	3.61	0.0003	9.57	9.56	747
PR5S16	10YR-8HR	9.98	5.26	0.0003	3.01	3.01	113
PR5S18	10YR-8HR	9.43	6.59	0.0014	7.14	4.90	297
PR5S19	10YR-8HR	10.47	6.70	0.0012	8.12	8.10	191
PR5S20A	10YR-8HR	9.60	6.64	0.0009	8.56	8.55	358
PR5S20B	10YR-8HR	9.40	6.64	0.0005	0.34	0.65	349
PR5S21A	10YR-8HR	9.79	3.82	0.0004	9.05	9.05	703
PR5S21B	10YR-8HR	9.94	6.63	0.0056	6.41	6.38	785
PR5S21C	10YR-8HR	9.33	7.25	0.0010	4.00	4.00	310
PR5S22	10YR-8HR	10.42	4.94	0.0001	1.66	1.66	113
PR5S22A	10YR-8HR	10.67	6.77	0.0005	7.37	7.33	325
PR5S23	10YR-8HR	10.87	6.83	0.0004	6.68	6.63	290
PR5S24	10YR-8HR	10.95	6.63	0.0056	1.66	6.37	113
PR5S24A	10YR-8HR	11.06	6.88	0.0004	6.09	6.05	264
PR5S25	10YR-8HR	11.28	6.93	0.0004	5.47	5.43	268
PR5S26	10YR-8HR	11.55	6.98	0.0003	4.82	4.79	230
PR5S27	10YR-8HR	11.54	7.28	0.0009	3.13	3.12	222
PR5S29	10YR-8HR	11.74	7.38	0.0003	4.30	4.30	129
PR5S30	10YR-8HR	12.45	8.64	0.0008	3.36	3.36	283
PR5S31	10YR-8HR	12.31	7.59	0.0001	1.55	1.55	314
PR5S32	10YR-8HR	13.06	9.09	0.0002	2.12	2.12	300
SWALE 4E1	10YR-8HR	8.17	5.19	0.0010	15.42	14.04	24822
SWALE 4W1	10YR-8HR	7.45	5.15	0.0005	4.33	4.14	6994
4GW1	25YR-72HR	7.45	3.61	0.0005	6.58	0.00	0
4GW10	25YR-72HR	7.45	3.61	0.0005	7.46	0.00	0
4GW11	25YR-72HR	7.45	3.61	0.0005	35.17	0.00	0
4GW2	25YR-72HR	7.45	3.61	0.0005	7.13	0.00	0
4GW3	25YR-72HR	7.45	3.61	0.0005	2.87	0.00	0
4GW4	25YR-72HR	7.45	3.61	0.0005	16.54	0.00	0
4GW6	25YR-72HR	7.45	3.61	0.0005	3.90	0.00	0
4GW7	25YR-72HR	7.45	3.61	0.0005	13.69	0.00	0
4GW8	25YR-72HR	7.45	3.61	0.0005	25.23	0.00	0
4GW9	25YR-72HR	7.45	3.61	0.0005	19.27	0.00	0
5GW1	25YR-72HR	7.45	3.61	0.0005	11.84	0.00	0
5GW2	25YR-72HR	7.45	3.61	0.0005	11.54	0.00	0
5GW3	25YR-72HR	7.45	3.61	0.0005	11.90	0.00	0
5GW4	25YR-72HR	7.45	3.61	0.0005	13.38	0.00	0
5GW5	25YR-72HR	7.45	3.61	0.0005	14.39	0.00	0
5GW6	25YR-72HR	7.45	3.61	0.0005	13.63	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
5GW7	25YR-72HR	7.45	3.61	0.0005	10.22	0.00	0
CH4_2+A	25YR-72HR	10.09	8.80	0.0006	33.33	29.28	9924
EX4S03+A	25YR-72HR	5.45	2.93	0.0006	137.29	137.29	854
EX4S03+B	25YR-72HR	5.45	2.24	0.0027	137.29	137.29	113
EX4S106	25YR-72HR	24.00	18.46	0.0002	3.50	3.50	113
EX4S107	25YR-72HR	30.00	25.33	0.0002	3.27	3.27	113
EX4S108	25YR-72HR	21.00	18.58	0.0001	1.78	1.78	113
EX4S109	25YR-72HR	28.00	25.45	0.0001	1.67	1.66	113
EX4S11	25YR-72HR	10.25	9.00	0.0263	9.71	29.71	113
EX4S14	25YR-72HR	11.75	10.50	0.0132	2.82	14.94	113
EX4S18	25YR-72HR	12.28	8.60	0.0006	2.18	2.61	113
EX4S21	25YR-72HR	30.00	27.65	0.0001	1.61	1.61	113
EX4S22	25YR-72HR	24.00	22.26	0.0001	1.21	1.21	113
EX4S23	25YR-72HR	19.00	16.17	0.0014	3.56	5.11	113
EX4S24	25YR-72HR	11.00	10.12	0.0005	2.01	1.94	113
EX4S25	25YR-72HR	11.00	10.38	0.0005	2.47	2.39	113
EX4S26	25YR-72HR	28.00	26.73	0.0003	3.27	3.27	113
EX4S27	25YR-72HR	23.00	21.07	0.0002	2.87	2.87	113
EX4S28	25YR-72HR	18.00	15.37	0.0015	7.28	5.90	113
EX4S29	25YR-72HR	16.00	8.68	0.0003	13.62	13.66	374
EX4S30	25YR-72HR	14.00	9.45	0.0003	12.80	12.79	457
EX4S31	25YR-72HR	13.00	10.04	0.0005	11.42	11.40	409
EX4S32	25YR-72HR	13.00	10.84	0.0006	4.57	4.48	113
EX4S33	25YR-72HR	12.70	10.19	0.0005	6.86	6.85	278
EX4S35	25YR-72HR	9.95	8.74	0.0005	10.37	13.77	1004
EX4S36	25YR-72HR	9.52	8.83	0.0006	25.10	21.35	2346
EX4S37	25YR-72HR	10.00	10.07	0.0019	10.99	10.20	5583
EX4S38	25YR-72HR	10.00	9.96	0.0012	11.19	10.54	483
EX4S39	25YR-72HR	11.00	9.80	0.0013	13.49	12.98	560
EX4S40	25YR-72HR	12.00	9.64	0.0010	13.76	13.25	564
EX4S41	25YR-72HR	12.00	9.46	0.0009	13.65	13.16	392
EX4S42	25YR-72HR	13.00	9.35	0.0010	16.72	16.38	503
EX4S43	25YR-72HR	11.00	8.78	0.0015	17.36	17.02	1494
EX4S43A	25YR-72HR	11.00	8.97	0.0015	16.38	16.30	955
EX4S44	25YR-72HR	11.00	8.71	0.0012	17.15	17.03	732
EX4S45	25YR-72HR	11.00	8.70	0.0010	21.35	18.99	2222
EX4S46	25YR-72HR	8.83	8.74	0.0015	18.75	48.26	1749
EX4S46A	25YR-72HR	10.90	8.74	0.0036	48.26	18.54	1791
EX4S47	25YR-72HR	9.90	8.83	0.0006	0.69	0.69	113
EX4S48	25YR-72HR	9.98	8.83	0.0006	0.80	0.90	113
EX4S49	25YR-72HR	10.45	8.83	0.0032	33.98	25.76	2942
EX4S50	25YR-72HR	8.91	8.88	0.0006	5.57	5.41	113
EX4S50A	25YR-72HR	8.90	8.80	0.0005	15.62	14.03	2672
EX4S51	25YR-72HR	11.00	8.71	0.0504	16.15	57.08	277
EX4S51A	25YR-72HR	8.90	8.80	0.0006	14.03	14.32	795
EX4S54	25YR-72HR	11.00	9.08	0.0014	13.84	13.78	761
EX4S57	25YR-72HR	10.00	10.22	0.0066	14.59	9.65	128503

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX4S58	25YR-72HR	11.00	9.99	0.0008	2.97	2.92	113
EX4S59	25YR-72HR	13.00	9.40	0.0005	1.62	1.74	113
EX4S60	25YR-72HR	11.00	8.80	0.0003	2.42	1.72	4546
EX4S61	25YR-72HR	11.00	8.72	0.0003	6.22	3.98	12293
EX4S64	25YR-72HR	10.00	8.83	0.0016	24.28	22.40	1436
EX4S67	25YR-72HR	10.00	8.89	0.0005	34.42	34.01	454
EX4S69	25YR-72HR	10.00	8.93	0.0010	43.37	43.14	286
EX4S69+A	25YR-72HR	10.00	8.95	0.0012	33.43	33.30	113
EX4S70	25YR-72HR	11.00	9.07	0.0005	4.35	4.28	119
EX4S71	25YR-72HR	11.00	11.09	0.0042	14.27	11.76	57175
EX4S72	25YR-72HR	11.00	8.77	0.0001	6.19	5.11	15221
EX4S73	25YR-72HR	11.00	9.65	0.0006	4.71	4.63	137
EX4S74	25YR-72HR	11.00	9.70	0.0012	4.94	4.87	113
EX4S75	25YR-72HR	26.12	23.61	0.0003	5.29	5.28	113
EX4S76	25YR-72HR	25.91	23.57	0.0002	5.06	5.05	113
EX4S78	25YR-72HR	20.72	14.29	0.0002	2.99	2.99	113
EX5S17	25YR-72HR	9.99	8.46	0.0009	2.53	3.54	113
EX5S33	25YR-72HR	12.66	9.49	0.0008	1.03	1.15	139
O401	25YR-72HR	3.45	1.45	0.0000	137.29	0.45	0
O402	25YR-72HR	3.45	1.45	0.0000	61.65	0.00	0
POND401	25YR-72HR	10.00	8.95	0.0002	48.08	33.43	33120
POND402	25YR-72HR	10.00	8.82	0.0006	34.57	9.65	18866
POND403	25YR-72HR	10.00	8.83	0.0005	32.20	24.28	7707
POND404	25YR-72HR	10.00	8.83	0.0006	40.38	36.16	14268
POND405	25YR-72HR	10.00	8.90	0.0004	50.48	34.42	12560
POND501	25YR-72HR	10.00	7.15	0.0003	11.82	0.08	13733
PR4S02	25YR-72HR	10.90	3.07	0.0002	2.99	2.96	113
PR4S04	25YR-72HR	8.11	3.71	0.0005	3.22	3.17	113
PR4S05	25YR-72HR	7.12	3.55	0.0013	5.46	5.42	113
PR4S06	25YR-72HR	4.95	3.44	0.0006	133.33	133.32	1844
PR4S08	25YR-72HR	5.95	3.82	0.0007	115.66	115.67	2049
PR4S09	25YR-72HR	6.95	4.22	0.0037	92.86	93.07	1531
PR4S10	25YR-72HR	7.03	4.16	0.0006	6.61	6.53	113
PR4S101	25YR-72HR	8.01	7.13	0.0032	37.34	37.25	791
PR4S101A	25YR-72HR	8.15	7.14	0.0033	8.88	6.80	1196
PR4S101B	25YR-72HR	9.00	7.18	0.0015	7.80	6.80	1170
PR4S101C	25YR-72HR	9.78	7.73	0.0004	6.22	7.80	1108
PR4S101D	25YR-72HR	12.30	8.24	0.0005	6.27	6.22	1188
PR4S101E	25YR-72HR	11.90	8.45	0.0005	6.31	6.27	612
PR4S102	25YR-72HR	12.64	11.25	0.0009	6.31	6.31	184
PR4S104	25YR-72HR	16.95	11.81	0.0009	4.14	4.41	175
PR4S12	25YR-72HR	9.00	8.63	0.0010	17.13	17.11	113
PR4S12A	25YR-72HR	8.20	4.95	0.0011	70.36	70.40	1671
PR4S12B	25YR-72HR	8.20	5.58	0.0282	75.26	37.35	600
PR4S14A	25YR-72HR	11.75	10.50	0.0689	30.59	120.22	1509
PR4S15	25YR-72HR	27.50	23.93	0.0002	4.02	4.02	113
PR4S16	25YR-72HR	11.38	8.18	0.0018	2.08	1.24	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR4S16A	25YR-72HR	8.50	8.17	0.0397	44.95	24.12	1148
PR4S17	25YR-72HR	11.51	8.41	0.0014	4.94	4.77	113
PR4S17A	25YR-72HR	9.00	8.80	0.0012	24.54	20.43	8255
PR4S17B	25YR-72HR	9.19	8.58	0.0006	21.32	21.34	564
PR4S17C	25YR-72HR	8.50	8.36	0.0022	23.44	23.46	405
PR4S19	25YR-72HR	16.07	13.51	0.0002	4.54	4.54	113
PR4S20	25YR-72HR	26.30	23.92	0.0002	3.91	3.91	113
PR4S52	25YR-72HR	11.00	8.67	0.0051	56.38	27.22	1172
PR4S53	25YR-72HR	11.00	8.62	0.0012	17.52	17.51	1121
PR4S55	25YR-72HR	11.00	8.44	0.0232	29.65	7.08	198
PR4S56	25YR-72HR	9.00	8.43	0.0285	4.73	32.70	198
PR4S62	25YR-72HR	9.20	8.93	0.0012	7.41	8.46	221
PR4S63	25YR-72HR	9.30	8.92	0.0013	46.70	46.10	619
PR4S63A	25YR-72HR	9.20	8.83	0.0010	12.59	12.52	627
PR4S63B	25YR-72HR	10.13	8.83	0.0009	0.70	0.46	113
PR4S63C	25YR-72HR	9.25	8.50	0.0010	9.62	9.61	478
PR4S63D	25YR-72HR	9.25	8.52	0.0010	15.85	15.89	526
PR4S63E	25YR-72HR	10.00	8.73	0.0009	13.62	13.57	1301
PR4S65	25YR-72HR	9.90	8.83	0.0005	0.23	0.13	113
PR4S66	25YR-72HR	9.98	8.91	0.0004	0.40	0.29	113
PR4S68	25YR-72HR	9.25	9.02	0.0004	5.11	5.12	202
PR4S79	25YR-72HR	15.24	9.18	0.0003	4.42	4.34	113
PR4S80	25YR-72HR	12.87	8.52	0.0003	4.31	4.24	113
PR4S81	25YR-72HR	11.22	9.01	0.0007	3.51	3.42	113
PR4S83	25YR-72HR	10.00	8.88	0.0009	13.31	13.35	856
PR4S84	25YR-72HR	9.30	8.81	0.0010	14.23	14.23	382
PR4S84B	25YR-72HR	10.00	9.02	0.0008	13.68	13.62	113
PR4S85	25YR-72HR	9.45	8.88	0.0003	10.00	9.71	612
PR4S86	25YR-72HR	9.58	8.87	0.0002	5.69	5.46	463
PR4S87	25YR-72HR	10.00	8.86	0.0020	6.87	6.89	198
PR4S90	25YR-72HR	10.20	8.83	0.0020	9.21	9.22	522
PR4S91+A	25YR-72HR	4.95	3.07	0.0021	61.66	61.66	113
PR4S91+B	25YR-72HR	4.95	2.60	0.0010	61.66	61.65	113
PR4S92	25YR-72HR	6.74	4.12	0.0040	6.85	7.44	113
PR4S93	25YR-72HR	10.20	3.44	0.0002	2.53	2.51	113
PR4S94	25YR-72HR	8.39	4.31	0.0003	3.45	3.41	113
PR4S95	25YR-72HR	4.95	3.34	0.0005	60.54	60.54	692
PR4S96	25YR-72HR	4.95	3.97	0.0015	56.23	56.23	996
PR4S97	25YR-72HR	6.44	4.27	0.0073	65.64	48.86	404
PR4S98	25YR-72HR	5.85	5.85	0.0015	5.40	8.08	113
PR4S98A	25YR-72HR	7.40	5.72	0.0048	50.15	48.36	691
PR4S98B	25YR-72HR	6.70	4.35	0.0017	45.51	61.71	674
PR4S99	25YR-72HR	6.70	5.85	0.0017	45.83	43.23	429
PR5S01+A	25YR-72HR	10.70	7.51	0.0007	11.58	11.59	467
PR5S01+B	25YR-72HR	10.70	7.92	0.0004	8.22	8.22	650
PR5S02	25YR-72HR	9.79	7.54	0.0009	2.36	2.29	113
PR5S03	25YR-72HR	9.79	8.44	0.0007	2.30	2.40	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR5S04+A	25YR-72HR	11.65	8.42	0.0009	16.38	16.42	458
PR5S04+B	25YR-72HR	11.65	8.46	0.0003	9.22	9.48	577
PR5S05	25YR-72HR	10.70	7.33	0.0007	11.57	11.54	767
PR5S06	25YR-72HR	9.87	7.42	0.0004	4.02	3.95	113
PR5S07	25YR-72HR	9.13	8.01	0.0010	3.97	3.90	113
PR5S08	25YR-72HR	10.82	7.96	0.0009	13.70	13.67	758
PR5S09	25YR-72HR	10.08	7.33	0.0007	11.87	11.83	767
PR5S10	25YR-72HR	9.93	7.42	0.0004	4.02	3.95	113
PR5S11	25YR-72HR	9.93	7.99	0.0010	2.99	3.00	113
PR5S12	25YR-72HR	9.20	7.96	0.0011	6.83	6.81	638
PR5S13	25YR-72HR	9.95	8.02	0.0007	3.56	3.50	113
PR5S14	25YR-72HR	9.75	7.97	0.0010	3.50	3.47	199
PR5S14A	25YR-72HR	8.00	7.97	0.0021	2.41	0.19	113
PR5S15	25YR-72HR	10.40	7.54	0.0007	18.23	18.21	737
PR5S16	25YR-72HR	9.98	7.74	0.0005	6.03	5.95	113
PR5S18	25YR-72HR	9.43	8.45	0.0014	14.39	14.39	296
PR5S19	25YR-72HR	10.47	9.29	0.0012	15.88	15.87	189
PR5S20A	25YR-72HR	9.60	9.02	0.0011	17.17	17.16	357
PR5S20B	25YR-72HR	9.40	9.03	0.0006	1.20	0.63	349
PR5S21A	25YR-72HR	9.79	8.23	0.0008	17.98	17.99	468
PR5S21B	25YR-72HR	9.94	9.00	0.0056	12.58	12.62	550
PR5S21C	25YR-72HR	9.33	9.10	0.0007	7.82	7.88	316
PR5S22	25YR-72HR	10.42	8.24	0.0010	3.33	4.74	113
PR5S22A	25YR-72HR	10.67	9.50	0.0007	14.34	14.34	325
PR5S23	25YR-72HR	10.87	9.66	0.0007	12.92	12.93	290
PR5S24	25YR-72HR	10.95	9.01	0.0056	3.33	6.37	113
PR5S24A	25YR-72HR	11.06	9.78	0.0008	11.73	11.73	264
PR5S25	25YR-72HR	11.28	9.88	0.0008	10.47	10.47	268
PR5S26	25YR-72HR	11.55	9.95	0.0008	9.17	9.16	231
PR5S27	25YR-72HR	11.54	9.29	0.0010	5.95	5.98	222
PR5S29	25YR-72HR	11.74	10.00	0.0024	12.83	8.18	135
PR5S30	25YR-72HR	12.45	10.02	0.0008	6.48	11.10	313
PR5S31	25YR-72HR	12.31	9.47	0.0008	2.95	3.09	315
PR5S32	25YR-72HR	13.06	10.05	0.0004	4.25	4.04	289
SWALE 4E1	25YR-72HR	8.17	5.63	0.0007	34.59	27.56	27093
SWALE 4W1	25YR-72HR	7.45	5.77	0.0006	10.11	14.90	9000

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CH4_2+SEC1	100YR-1HR	6.34	-6.73	-0.05	0.32	-0.94	-0.60
CH4_2+SEC2	100YR-1HR	10.46	-4.39	-0.02	1.31	3.09	2.05
CH4_2+SEC3	100YR-1HR	3.32	-6.50	-0.03	-0.62	-2.17	-1.36
CH4_3+SEC2	100YR-1HR	0.80	-23.17	0.18	-1.47	-3.82	-2.59
CH4_3+SEC4	100YR-1HR	0.00	-8.83	-0.02	-2.98	-3.36	-2.79
CH4_3+SEC5	100YR-1HR	0.50	-7.44	-0.01	-1.07	-3.11	-2.08
CH4_4+SEC1	100YR-1HR	9.83	-8.09	-0.07	-0.61	-1.99	-1.22
CH4_5+SEC2	100YR-1HR	21.53	0.00	-0.01	1.37	2.21	1.53
EX4S03+B_O401	100YR-1HR	110.60	-0.23	-6.62	4.40	4.40	4.40
EX4S03_WEIR1	100YR-1HR	52.04	0.00	-0.41	2.95	2.95	2.95
EX4S03_WEIR2	100YR-1HR	58.56	0.00	0.01	2.44	2.44	2.44
EX4S106_SWL4W1	100YR-1HR	4.78	0.00	0.05	5.14	23.79	14.46
EX4S107_SWL4W1	100YR-1HR	4.47	0.00	0.05	4.98	23.42	14.20
EX4S108_S106	100YR-1HR	2.43	0.00	0.00	2.23	2.14	2.19
EX4S109_S107	100YR-1HR	2.27	0.00	0.00	2.45	2.06	2.25
EX4S10_S08	100YR-1HR	8.89	-0.52	0.02	7.25	7.25	7.25
EX4S11_S12A	100YR-1HR	29.71	-0.08	-0.09	16.81	16.81	16.81
EX4S14_S14A	100YR-1HR	14.94	0.00	1.42	8.45	8.45	8.45
EX4S18_S17B	100YR-1HR	2.88	0.00	0.37	4.21	10.46	7.33
EX4S21_S26	100YR-1HR	2.20	0.00	0.02	3.84	1.99	2.91
EX4S22_S27	100YR-1HR	1.65	0.00	0.02	3.51	1.38	2.44
EX4S23_S28	100YR-1HR	5.47	0.00	0.85	5.48	4.46	4.97
EX4S24_S31	100YR-1HR	2.57	0.00	0.00	2.09	2.09	2.09
EX4S25_S33	100YR-1HR	3.17	0.00	0.00	2.58	2.98	2.58
EX4S26_SWL4E1	100YR-1HR	4.47	0.00	0.05	4.98	22.40	13.69
EX4S27_SWL4E1	100YR-1HR	3.92	0.00	-0.05	4.72	21.80	13.26
EX4S28_SWL4E1	100YR-1HR	7.77	0.00	-0.05	6.33	25.42	15.88
EX4S29_SWL4E1	100YR-1HR	15.39	0.00	0.05	4.90	6.50	5.70
EX4S30_S29	100YR-1HR	14.29	0.00	0.00	4.55	4.55	4.55
EX4S31_S30	100YR-1HR	12.47	0.00	-0.01	3.97	3.97	3.97
EX4S32_S33	100YR-1HR	3.38	-0.21	-0.02	2.76	2.76	2.76
EX4S33_S31	100YR-1HR	6.54	-0.01	-0.01	2.08	2.08	2.08
EX4S35_PND402	100YR-1HR	2.78	-6.39	-0.02	1.92	3.19	2.50
EX4S36_PND	100YR-1HR	5.90	-3.89	-0.11	1.51	1.27	1.39

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
404							
EX4S37_S38	100YR-1HR	11.15	0.00	-0.01	3.55	3.55	3.55
EX4S38_S39	100YR-1HR	11.67	0.00	-0.01	3.71	3.71	3.71
EX4S39_S40	100YR-1HR	15.26	0.00	0.02	3.11	3.11	3.11
EX4S40_S41	100YR-1HR	16.19	0.00	0.01	3.30	3.30	3.30
EX4S41_S42	100YR-1HR	16.74	0.00	0.03	3.41	3.41	3.41
EX4S42_S43A	100YR-1HR	20.75	0.00	-0.01	4.23	5.01	4.23
EX4S43A_4GW1	100YR-1HR	4.25	0.00	1.90	0.00	0.00	0.00
EX4S43A_S43	100YR-1HR	16.36	0.00	-0.71	1.96	4.26	2.93
EX4S43_4GW1	100YR-1HR	3.86	0.00	1.90	0.00	0.00	0.00
EX4S43_4GW2	100YR-1HR	4.36	0.00	2.15	0.00	0.00	0.00
EX4S43_S44	100YR-1HR	12.31	-0.35	0.01	1.65	2.30	1.83
EX4S44_4GW2	100YR-1HR	4.15	0.00	-2.15	0.00	0.00	0.00
EX4S44_4GW3	100YR-1HR	1.75	0.00	-0.91	0.00	0.00	0.00
EX4S44_S45	100YR-1HR	11.19	0.00	-0.01	2.12	4.42	3.20
EX4S45_4GW3	100YR-1HR	1.70	0.00	1.01	0.00	0.00	0.00
EX4S45_4GW4	100YR-1HR	9.74	0.00	5.78	0.00	0.00	0.00
EX4S45_S46A	100YR-1HR	7.59	-1.40	-0.01	1.32	4.21	2.75
EX4S46A_4GW4	100YR-1HR	9.68	0.00	5.78	0.00	0.00	0.00
EX4S47_S36	100YR-1HR	0.94	0.00	0.09	2.97	3.32	3.15
EX4S48_PND404	100YR-1HR	1.54	0.00	0.28	3.44	3.30	3.36
EX4S49_CH4_2+A	100YR-1HR	9.53	-10.90	-0.60	-1.06	-2.53	-1.67
EX4S50_S50A	100YR-1HR	7.57	0.00	-0.06	4.28	6.64	5.45
EX4S51_S51A	100YR-1HR	3.37	-6.50	-0.17	-3.68	-5.27	-4.48
EX4S54_S53	100YR-1HR	9.83	0.00	-0.02	3.95	5.26	4.46
EX4S57_S37	100YR-1HR	10.46	0.00	-0.03	5.92	5.92	5.92
EX4S58_S39	100YR-1HR	3.30	0.00	0.43	4.57	4.63	4.36
EX4S59_S42	100YR-1HR	2.39	0.00	0.33	3.95	4.32	3.95
EX4S60_S43	100YR-1HR	1.81	0.00	0.02	3.61	5.12	4.37
EX4S61_S45	100YR-1HR	3.22	0.00	-0.05	4.38	5.73	5.05
EX4S64_S36	100YR-1HR	21.46	0.00	-0.09	3.41	4.83	4.12
EX4S67_PND404	100YR-1HR	9.15	0.00	0.07	1.75	3.19	2.33
EX4S69+A_S69	100YR-1HR	0.04	-0.72	-0.01	-0.57	-1.70	-1.13
EX4S69_PND405	100YR-1HR	9.91	0.00	0.07	2.11	3.63	2.77

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S69_WEIR	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX4S70_S51	100YR-1HR	3.27	0.00	0.00	2.98	4.40	3.69
EX4S71_S52	100YR-1HR	12.37	0.00	1.17	10.08	10.39	10.24
EX4S72_S53	100YR-1HR	2.76	0.00	0.05	4.17	5.79	4.98
EX4S73_S54	100YR-1HR	4.36	0.00	-0.01	3.55	4.94	4.25
EX4S74_S54	100YR-1HR	4.91	0.00	0.75	5.20	4.00	4.60
EX4S75_PND403	100YR-1HR	7.20	0.00	-0.05	5.87	14.61	10.24
EX4S76_PND405	100YR-1HR	6.89	0.00	-0.05	5.61	38.83	22.22
EX4S78_S63A	100YR-1HR	4.08	0.00	0.05	4.80	13.58	9.19
EX5S17_S18	100YR-1HR	4.76	0.00	-3.51	9.83	24.41	15.40
EX5S18_PND501	100YR-1HR	10.30	0.00	0.01	3.33	10.84	7.08
EX5S33_S31	100YR-1HR	1.42	0.00	-0.01	1.89	0.88	1.38
PND405_S67	100YR-1HR	9.30	0.00	-0.11	1.84	2.36	1.92
PR4S02_S03+A	100YR-1HR	4.03	0.00	0.13	3.79	4.26	3.96
PR4S04_S05	100YR-1HR	4.30	0.00	0.38	4.35	4.22	4.25
PR4S05_S06	100YR-1HR	7.35	-0.26	-1.57	4.16	5.20	4.57
PR4S06_S03+A	100YR-1HR	106.19	0.00	-1.90	3.76	3.76	3.76
PR4S08_S06	100YR-1HR	87.04	-0.01	1.34	3.10	3.08	3.09
PR4S09_S08	100YR-1HR	68.21	0.00	3.59	3.01	2.90	2.96
PR4S101A_S101	100YR-1HR	10.08	-8.88	0.06	-2.51	-4.68	-3.60
PR4S101B_S101A	100YR-1HR	9.78	-4.51	0.11	1.64	-3.63	-2.11
PR4S101C_S101B	100YR-1HR	9.50	0.00	1.32	4.76	1.34	2.89
PR4S101D_S101C	100YR-1HR	8.08	0.00	0.01	2.29	4.32	3.24
PR4S101E_S101D	100YR-1HR	8.35	0.00	0.01	2.07	4.00	2.95
PR4S101_4S99	100YR-1HR	46.53	0.00	-0.04	7.40	7.40	7.40
PR4S102_S101E	100YR-1HR	8.61	0.00	0.01	7.02	7.34	7.18
PR4S104_S102	100YR-1HR	5.64	0.00	0.62	4.58	3.57	4.07
PR4S12A_4GW7	100YR-1HR	6.08	0.00	0.00	0.00	0.00	0.00
PR4S12A_S09	100YR-1HR	43.76	0.00	-0.05	3.86	5.44	4.65
PR4S12B_4GW7	100YR-1HR	7.68	0.00	0.05	0.00	0.00	0.00
PR4S12B_S12	100YR-1HR	29.67	-3.48	3.44	4.20	4.20	4.20

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
A							
PR4S12_S12A	100YR-1HR	23.36	0.00	0.01	13.22	13.58	13.40
PR4S14A_S12B	100YR-1HR	75.26	0.00	-1.08	10.65	11.17	10.91
PR4S15_PND402	100YR-1HR	5.44	0.00	0.05	5.46	42.06	23.76
PR4S16A_S14A	100YR-1HR	12.01	-44.95	0.59	-6.36	-8.16	-7.26
PR4S16_S16A	100YR-1HR	2.74	-2.08	-2.01	3.01	5.14	4.08
PR4S17A_S17B	100YR-1HR	8.49	-4.85	0.02	2.14	-3.80	-2.83
PR4S17B_S17C	100YR-1HR	9.18	-2.15	0.01	2.67	-2.30	2.36
PR4S17C_S16A	100YR-1HR	11.21	-2.43	0.02	2.15	-3.29	-2.42
PR4S17_S17C	100YR-1HR	6.71	-1.61	-2.79	5.47	7.77	5.84
PR4S19_S17A	100YR-1HR	9.29	0.00	3.85	9.34	27.62	18.48
PR4S20_PND404	100YR-1HR	5.33	0.00	-0.05	5.41	35.09	20.24
PR4S52_4GW11	100YR-1HR	18.41	0.00	0.02	0.00	0.00	0.00
PR4S52_S51	100YR-1HR	0.00	-56.38	1.01	-7.98	-8.95	-8.46
PR4S53_4GW11	100YR-1HR	18.25	0.00	0.01	0.00	0.00	0.00
PR4S53_S52	100YR-1HR	0.55	-9.81	-1.07	-1.50	-1.82	-1.53
PR4S55_4GW10	100YR-1HR	3.66	0.00	0.02	0.00	0.00	0.00
PR4S55_S54	100YR-1HR	0.11	-5.48	0.01	-3.10	-4.87	-3.93
PR4S56_4GW10	100YR-1HR	3.65	0.00	-0.02	0.00	0.00	0.00
PR4S56_S55	100YR-1HR	29.65	-3.30	-3.51	4.20	4.20	4.20
PR4S62_S63	100YR-1HR	10.01	0.00	1.28	4.75	4.82	4.51
PR4S63A_4GW8	100YR-1HR	15.39	0.00	0.01	0.00	0.00	0.00
PR4S63A_S63	100YR-1HR	0.00	-11.41	0.13	-1.61	-1.61	-1.61
PR4S63B_S63A	100YR-1HR	0.58	-0.73	0.45	1.00	-2.26	-1.18
PR4S63C_4GW9	100YR-1HR	10.11	0.00	0.01	0.00	0.00	0.00
PR4S63C_S80	100YR-1HR	0.00	-5.88	0.00	-2.83	-4.57	-3.70
PR4S63D_4GW9	100YR-1HR	10.15	0.00	0.00	0.00	0.00	0.00
PR4S63D_S63C	100YR-1HR	4.39	-0.73	0.18	-0.89	-2.27	-1.56
PR4S63D_S84	100YR-1HR	0.00	-5.22	0.00	-2.57	-4.41	-3.49
PR4S63E_S63	100YR-1HR	9.49	0.00	-0.01	3.02	5.37	4.19

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D							
PR4S63_4GW8	100YR-1HR	15.75	0.00	0.01	0.00	0.00	0.00
PR4S63_PND403	100YR-1HR	17.08	-2.67	-0.06	3.09	5.08	3.98
PR4S65_PND403	100YR-1HR	0.28	-2.03	0.05	-1.73	-3.61	-2.58
PR4S66_PND405	100YR-1HR	0.51	0.00	-0.08	2.47	2.75	2.46
PR4S68_S69	100YR-1HR	6.97	0.00	0.01	3.94	5.46	4.69
PR4S79_PND401	100YR-1HR	6.03	0.00	0.37	4.91	5.78	5.34
PR4S81_PND401	100YR-1HR	4.93	0.00	-1.75	5.21	5.75	5.48
PR4S83_PND401	100YR-1HR	18.39	-0.18	0.15	3.27	5.82	4.54
PR4S84B_S63E	100YR-1HR	18.65	0.00	3.51	5.94	7.03	5.94
PR4S84_S83	100YR-1HR	2.76	-0.23	-0.23	1.30	2.51	1.86
PR4S85_S83	100YR-1HR	12.75	-0.01	-0.02	2.91	3.35	2.87
PR4S86_S85	100YR-1HR	6.66	0.00	-0.01	1.81	1.90	1.86
PR4S87_S86	100YR-1HR	3.04	-0.06	0.00	1.54	2.65	2.01
PR4S90_S87	100YR-1HR	0.18	-4.29	0.01	-2.08	-3.45	-2.76
PR4S91+B_O402	100YR-1HR	65.98	0.00	0.93	6.72	6.72	6.72
PR4S91_WEIR1	100YR-1HR	65.45	0.00	-0.10	2.44	2.44	2.44
PR4S91_WEIR2	100YR-1HR	0.75	0.00	0.00	4.39	4.39	4.39
PR4S92_S96	100YR-1HR	9.31	0.00	4.72	5.59	5.27	5.27
PR4S93_S95	100YR-1HR	3.42	0.00	0.15	3.17	3.06	3.07
PR4S94_S92	100YR-1HR	4.65	0.00	0.06	3.79	3.79	3.79
PR4S95_S91+A	100YR-1HR	64.57	-0.01	-5.74	5.14	5.14	5.14
PR4S96_S95	100YR-1HR	59.39	0.00	1.12	4.73	4.73	4.73
PR4S97_S96	100YR-1HR	50.65	-0.13	0.68	4.03	4.03	4.03
PR4S98A_4GW6	100YR-1HR	6.66	0.00	0.00	0.00	0.00	0.00
PR4S98A_S98B	100YR-1HR	49.87	0.00	0.01	7.05	7.32	7.06
PR4S98B_4GW6	100YR-1HR	4.09	0.00	0.00	0.00	0.00	0.00
PR4S98B_S97	100YR-1HR	61.40	-0.53	-53.76	7.95	4.89	6.42
PR4S98_S99	100YR-1HR	7.92	0.00	-4.55	0.82	0.82	0.82
PR4S99_S98A	100YR-1HR	54.34	0.00	0.41	4.32	4.72	4.35
PR5S01+2_S63E	100YR-1HR	0.22	-9.16	0.00	-2.91	-4.33	-3.31

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR5S01+A_5 GW1	100YR-1HR	7.04	0.00	0.00	0.00	0.00	0.00
PR5S01_WEI R	100YR-1HR	0.00	-9.15	-0.01	0.00	0.00	0.00
PR5S02_S01 +A	100YR-1HR	3.14	0.00	-0.02	2.64	9.49	6.00
PR5S03_S04 +A	100YR-1HR	3.52	0.00	2.29	4.42	16.64	9.85
PR5S04+2_S 90	100YR-1HR	0.08	-6.24	0.00	-1.99	-4.08	-2.85
PR5S04+A_5 GW5	100YR-1HR	7.78	0.00	0.00	0.00	0.00	0.00
PR5S04_WEI R	100YR-1HR	0.00	-6.23	-0.01	0.00	0.00	0.00
PR5S05_5GW 1	100YR-1HR	6.67	0.00	0.00	0.00	0.00	0.00
PR5S05_5GW 2	100YR-1HR	6.67	0.00	0.00	0.00	0.00	0.00
PR5S05_S01 +A	100YR-1HR	1.43	-5.94	-0.05	-1.89	-1.89	-1.89
PR5S06_S05	100YR-1HR	5.40	0.00	0.00	3.20	11.07	7.01
PR5S07_S08	100YR-1HR	5.24	0.00	1.58	4.98	20.55	11.97
PR5S08_5GW 5	100YR-1HR	7.27	0.00	0.00	0.00	0.00	0.00
PR5S08_5GW 6	100YR-1HR	7.27	0.00	0.00	0.00	0.00	0.00
PR5S08_S04 +A	100YR-1HR	0.52	-6.86	0.07	-2.18	-2.18	-2.18
PR5S09_5GW 2	100YR-1HR	6.68	0.00	0.00	0.00	0.00	0.00
PR5S09_5GW 3	100YR-1HR	6.68	0.00	0.00	0.00	0.00	0.00
PR5S09_S05	100YR-1HR	4.96	0.00	-0.02	1.63	1.78	1.70
PR5S10_S09	100YR-1HR	5.40	0.00	0.00	3.20	10.94	6.94
PR5S11_S12	100YR-1HR	3.92	0.00	1.42	3.06	15.87	9.44
PR5S12_5GW 6	100YR-1HR	7.29	0.00	0.00	0.00	0.00	0.00
PR5S12_S08	100YR-1HR	1.69	0.00	-0.04	1.20	2.68	1.88
PR5S13_S14	100YR-1HR	4.86	0.00	0.00	3.11	11.59	7.33
PR5S14A_S14	100YR-1HR	0.25	-2.30	0.02	1.58	-3.47	-2.10
PR5S14_S12	100YR-1HR	4.60	0.00	0.06	1.73	2.15	1.71
PR5S14_WEI R	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
PR5S15_5GW 3	100YR-1HR	7.31	0.00	0.00	0.00	0.00	0.00
PR5S15_5GW 4	100YR-1HR	7.31	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR5S15_S09	100YR-1HR	8.08	0.00	-0.01	2.57	2.76	2.65
PR5S16_S15	100YR-1HR	8.12	0.00	0.00	4.59	12.33	7.91
PR5S18_5GW7	100YR-1HR	7.12	0.00	0.00	0.00	0.00	0.00
PR5S19_PR5S20A	100YR-1HR	21.13	0.00	6.31	4.30	17.74	10.44
PR5S20A_5GW7	100YR-1HR	8.07	0.00	0.00	0.00	0.00	0.00
PR5S20A_S18	100YR-1HR	13.94	0.00	-0.06	4.44	4.44	4.44
PR5S20B_S20A	100YR-1HR	0.87	-3.08	-0.06	1.84	-3.72	-2.33
PR5S21A_5GW4	100YR-1HR	9.19	0.00	0.00	0.00	0.00	0.00
PR5S21A_S15	100YR-1HR	13.23	-0.03	-0.01	4.21	4.21	4.21
PR5S21B_S21A	100YR-1HR	15.85	0.00	0.01	5.05	5.34	5.05
PR5S21C_S21B	100YR-1HR	9.96	0.00	0.02	3.20	2.07	2.60
PR5S22A_S19	100YR-1HR	19.10	0.00	-0.02	3.89	3.89	3.89
PR5S22_S21A	100YR-1HR	4.99	0.00	3.56	3.13	8.12	5.34
PR5S23_S22A	100YR-1HR	17.21	0.00	0.01	3.51	3.51	3.51
PR5S24A_S23	100YR-1HR	15.65	0.00	0.01	3.19	3.19	3.19
PR5S24_S21B	100YR-1HR	6.37	0.00	-1.71	4.71	8.92	6.73
PR5S25_S24A	100YR-1HR	13.99	0.00	-0.01	2.85	2.85	2.85
PR5S26_S25	100YR-1HR	12.26	0.00	-0.03	2.61	2.50	2.52
PR5S27_S21C	100YR-1HR	8.00	0.00	1.38	4.52	5.97	4.52
PR5S29_S26	100YR-1HR	10.99	0.00	0.17	3.19	2.46	2.73
PR5S30_S29	100YR-1HR	10.90	0.00	8.24	3.66	12.62	7.83
PR5S31_S27	100YR-1HR	4.02	0.00	0.01	2.50	2.27	2.27
PR5S32_S30	100YR-1HR	5.49	0.00	-0.01	2.73	2.48	2.47
SWL4E1_S09	100YR-1HR	27.74	0.00	0.21	5.80	7.94	6.87
SWL4W1_4S98A	100YR-1HR	20.60	-3.82	-1.49	7.13	20.88	13.18
CH4_2+SEC1	100YR-24HR	5.24	-0.29	-0.01	0.30	0.14	0.22
CH4_2+SEC2	100YR-24HR	0.33	-2.76	-0.01	0.55	1.77	1.10
CH4_2+SEC3	100YR-24HR	0.00	-3.80	0.00	-0.62	-1.21	-0.72
CH4_3+SEC2	100YR-24HR	0.51	-1.89	0.06	-0.39	-1.64	-1.01
CH4_3+SEC4	100YR-24HR	0.00	-3.80	0.02	-1.95	-3.01	-2.48
CH4_3+SEC5	100YR-24HR	0.03	-3.32	0.00	-0.81	-1.98	-1.40
CH4_4+SEC1	100YR-24HR	8.12	-0.48	0.03	0.33	-1.07	-0.54
CH4_5+SEC2	100YR-24HR	1.37	0.00	0.00	0.45	0.60	0.51
EX4S03+B_O401	100YR-24HR	33.18	-0.23	-7.20	1.32	1.32	1.32
EX4S03_WEIR1	100YR-24HR	28.70	0.00	0.40	2.52	2.52	2.52
EX4S03_WEIR2	100YR-24HR	4.47	0.00	0.00	1.04	1.04	1.04

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S106_SWL4W1	100YR-24HR	0.82	0.00	0.02	2.86	14.10	8.48
EX4S107_SWL4W1	100YR-24HR	0.77	0.00	-0.02	2.81	13.87	8.34
EX4S108_S106	100YR-24HR	0.42	0.00	0.00	1.64	1.15	1.40
EX4S109_S107	100YR-24HR	0.39	0.00	0.00	2.07	1.13	1.60
EX4S10_S08	100YR-24HR	1.55	-0.52	-0.03	3.09	2.91	2.92
EX4S11_S12A	100YR-24HR	29.71	0.00	-0.09	16.81	16.81	16.81
EX4S14_S14A	100YR-24HR	14.94	0.00	1.42	8.45	8.45	8.45
EX4S18_S17B	100YR-24HR	0.51	0.00	0.00	2.51	0.89	1.46
EX4S21_S26	100YR-24HR	0.38	0.00	0.00	2.31	1.09	1.70
EX4S22_S27	100YR-24HR	0.28	0.00	0.00	2.14	0.51	1.33
EX4S23_S28	100YR-24HR	0.84	0.00	-0.02	2.88	1.63	2.26
EX4S24_S31	100YR-24HR	0.47	0.00	0.00	1.47	0.83	1.15
EX4S25_S33	100YR-24HR	0.58	0.00	0.00	1.76	1.52	1.44
EX4S26_SWL4E1	100YR-24HR	0.77	0.00	-0.02	2.81	13.27	8.04
EX4S27_SWL4E1	100YR-24HR	0.68	0.00	0.02	2.71	12.90	7.80
EX4S28_SWL4E1	100YR-24HR	1.35	0.00	0.02	3.30	15.21	9.26
EX4S29_SWL4E1	100YR-24HR	3.25	0.00	0.01	1.99	3.84	2.91
EX4S30_S29	100YR-24HR	3.05	0.00	0.00	2.16	2.68	2.32
EX4S31_S30	100YR-24HR	2.71	0.00	0.00	3.38	1.92	2.65
EX4S32_S33	100YR-24HR	1.02	-0.02	-0.02	2.48	2.46	2.41
EX4S33_S31	100YR-24HR	1.60	0.00	0.00	2.05	2.00	2.03
EX4S35_PND402	100YR-24HR	0.21	-2.65	0.03	1.13	1.60	1.26
EX4S36_PND404	100YR-24HR	1.25	-0.82	0.05	0.40	-1.12	-0.62
EX4S37_S38	100YR-24HR	3.68	0.00	-0.01	1.49	1.47	1.48
EX4S38_S39	100YR-24HR	3.98	0.00	0.00	1.59	1.59	1.59
EX4S39_S40	100YR-24HR	5.05	0.00	0.00	1.67	1.66	1.66
EX4S40_S41	100YR-24HR	5.27	0.00	0.00	1.72	1.72	1.72
EX4S41_S42	100YR-24HR	5.39	0.00	-0.01	1.75	1.68	1.71
EX4S42_S43A	100YR-24HR	6.38	0.00	0.00	2.17	3.46	2.63
EX4S43A_4GW1	100YR-24HR	1.64	0.00	1.64	0.00	0.00	0.00
EX4S43A_S43	100YR-24HR	4.75	0.00	0.01	1.16	2.79	1.85
EX4S43_4GW1	100YR-24HR	1.51	0.00	1.51	0.00	0.00	0.00
EX4S43_4GW2	100YR-24HR	1.71	0.00	1.71	0.00	0.00	0.00
EX4S43_S44	100YR-24HR	2.84	-0.35	0.01	0.85	2.12	1.37

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S44_4GW2	100YR-24HR	2.39	0.00	-2.15	0.00	0.00	0.00
EX4S44_4GW3	100YR-24HR	1.01	0.00	-0.91	0.00	0.00	0.00
EX4S44_S45	100YR-24HR	2.01	0.00	0.01	1.06	2.70	1.86
EX4S45_4GW3	100YR-24HR	0.82	0.00	0.82	0.00	0.00	0.00
EX4S45_4GW4	100YR-24HR	4.70	0.00	4.70	0.00	0.00	0.00
EX4S45_S46A	100YR-24HR	0.20	-0.39	-0.01	-0.32	-1.53	-0.92
EX4S46A_4GW4	100YR-24HR	4.11	0.00	4.11	0.00	0.00	0.00
EX4S47_S36	100YR-24HR	0.16	0.00	0.01	1.85	1.98	1.92
EX4S48_PND404	100YR-24HR	0.26	0.00	0.04	2.10	2.25	2.04
EX4S49_CH4_2+A	100YR-24HR	8.05	-0.51	0.27	0.53	-0.84	0.51
EX4S50_S50A	100YR-24HR	1.31	0.00	0.03	1.68	1.95	1.69
EX4S51_S51A	100YR-24HR	0.70	-3.80	-0.17	-2.54	-4.34	-3.44
EX4S54_S53	100YR-24HR	3.07	0.00	0.01	3.32	3.68	3.21
EX4S57_S37	100YR-24HR	3.27	0.00	0.00	2.47	3.55	2.88
EX4S58_S39	100YR-24HR	0.69	0.00	0.02	2.72	3.23	2.98
EX4S59_S42	100YR-24HR	0.38	0.00	-0.01	2.31	2.77	2.54
EX4S60_S43	100YR-24HR	0.43	0.00	-0.01	2.39	3.37	2.88
EX4S61_S45	100YR-24HR	0.90	0.00	0.02	2.94	4.02	3.48
EX4S64_S36	100YR-24HR	1.33	0.00	-0.03	1.46	1.85	1.49
EX4S67_PND404	100YR-24HR	8.12	0.00	-0.03	1.10	1.67	1.17
EX4S69+A_S69	100YR-24HR	5.56	-0.03	3.65	0.84	0.76	0.80
EX4S69_PND405	100YR-24HR	6.97	0.00	-0.28	1.09	1.57	1.21
EX4S69_WEIR	100YR-24HR	4.43	0.00	0.00	0.83	0.83	0.83
EX4S70_S51	100YR-24HR	0.97	0.00	0.00	2.08	2.98	2.53
EX4S71_S52	100YR-24HR	3.20	0.00	0.05	4.37	5.97	5.17
EX4S72_S53	100YR-24HR	1.31	0.00	-0.02	3.27	4.67	3.97
EX4S73_S54	100YR-24HR	1.07	0.00	0.00	2.17	3.10	2.64
EX4S74_S54	100YR-24HR	1.09	0.00	0.02	3.11	1.63	2.37
EX4S75_PND403	100YR-24HR	1.24	0.00	0.02	3.22	8.86	6.04
EX4S76_PND405	100YR-24HR	1.19	0.00	0.02	3.18	22.97	13.07
EX4S78_S63A	100YR-24HR	0.70	0.00	-0.02	2.74	8.10	5.42
EX5S17_S18	100YR-24HR	0.59	0.00	0.00	2.53	0.65	1.43
EX5S18_PND501	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX5S33_S31	100YR-24HR	0.24	0.00	0.01	1.41	0.60	1.00
PND405_S67	100YR-24HR	8.14	0.00	-0.15	1.15	1.17	1.16
PR4S02_S03+A	100YR-24HR	0.70	0.00	0.06	2.56	2.60	2.48
PR4S04_S05	100YR-24HR	0.76	0.00	-0.02	2.80	3.47	3.12
PR4S05_S06	100YR-24HR	1.30	-0.26	0.05	2.97	3.13	2.85
PR4S06_S03+A	100YR-24HR	32.26	0.00	-4.79	1.24	1.17	1.21
PR4S08_S06	100YR-24HR	28.06	0.00	2.97	1.17	1.08	1.12
PR4S09_S08	100YR-24HR	35.21	0.00	3.59	2.40	2.08	2.24
PR4S101A_S101	100YR-24HR	1.66	-8.88	0.23	-2.51	-4.68	-3.60
PR4S101B_S101A	100YR-24HR	1.57	-0.22	0.01	0.94	-1.77	-0.91
PR4S101C_S101B	100YR-24HR	1.48	0.00	0.04	2.88	0.88	1.88
PR4S101D_S101C	100YR-24HR	1.49	0.00	0.00	1.28	2.34	1.78
PR4S101E_S101D	100YR-24HR	1.49	0.00	0.00	1.08	1.88	1.25
PR4S101_4S99	100YR-24HR	8.87	0.00	-0.01	3.18	4.04	3.51
PR4S102_S101E	100YR-24HR	1.49	0.00	0.00	2.34	3.40	2.87
PR4S104_S102	100YR-24HR	0.97	0.00	-0.02	2.89	3.11	3.00
PR4S12A_4GW7	100YR-24HR	6.02	0.00	0.00	0.00	0.00	0.00
PR4S12A_S09	100YR-24HR	42.24	0.00	-0.05	3.81	5.39	4.60
PR4S12B_4GW7	100YR-24HR	7.68	0.00	0.05	0.00	0.00	0.00
PR4S12B_S12A	100YR-24HR	29.67	-0.47	3.44	4.20	4.20	4.20
PR4S12_S12A	100YR-24HR	4.03	0.00	0.00	3.16	4.41	3.78
PR4S14A_S12B	100YR-24HR	75.26	0.00	-1.08	10.65	11.17	10.91
PR4S15_PND402	100YR-24HR	0.95	0.00	-0.02	2.98	0.00	1.49
PR4S16A_S14A	100YR-24HR	7.72	-44.95	0.59	-6.36	-8.16	-7.26
PR4S16_S16A	100YR-24HR	0.75	-2.08	-0.67	-2.41	-3.75	-3.07
PR4S17A_S17B	100YR-24HR	6.11	-0.07	0.00	1.91	2.05	1.98
PR4S17B_S17C	100YR-24HR	6.52	-0.01	0.01	2.43	1.82	2.12
PR4S17C_S16A	100YR-24HR	7.45	-2.43	0.02	1.91	-3.29	-2.42

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR4S17_S17C	100YR-24HR	1.87	-1.61	-1.78	-2.17	-3.47	-2.81
PR4S19_S17A	100YR-24HR	1.07	0.00	0.02	3.08	0.94	1.98
PR4S20_PND 404	100YR-24HR	0.92	0.00	0.02	2.95	0.00	1.48
PR4S52_4GW 11	100YR-24HR	8.83	0.00	0.02	0.00	0.00	0.00
PR4S52_S51	100YR-24HR	0.01	-56.38	1.01	-7.98	-8.95	-8.46
PR4S53_4GW 11	100YR-24HR	8.43	0.00	0.00	0.00	0.00	0.00
PR4S53_S52	100YR-24HR	0.11	-9.81	-1.07	-1.50	-1.56	-1.53
PR4S55_4GW 10	100YR-24HR	2.89	0.00	0.02	0.00	0.00	0.00
PR4S55_S54	100YR-24HR	0.11	-0.19	0.01	1.02	-1.88	1.37
PR4S56_4GW 10	100YR-24HR	3.05	0.00	-0.02	0.00	0.00	0.00
PR4S56_S55	100YR-24HR	29.65	-0.13	-3.51	4.20	4.20	4.20
PR4S62_S63	100YR-24HR	2.06	0.00	0.24	3.01	3.05	2.92
PR4S63A_4G W8	100YR-24HR	5.78	0.00	0.00	0.00	0.00	0.00
PR4S63A_S63	100YR-24HR	0.00	-5.08	0.12	-0.72	-0.72	-0.72
PR4S63B_S63 A	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
PR4S63C_4G W9	100YR-24HR	4.63	0.00	0.00	0.00	0.00	0.00
PR4S63C_S80	100YR-24HR	0.00	-1.01	0.00	-1.38	-2.78	-2.08
PR4S63D_4G W9	100YR-24HR	4.65	0.00	0.00	0.00	0.00	0.00
PR4S63D_S6 3C	100YR-24HR	3.64	-0.05	-0.33	0.52	0.52	0.52
PR4S63D_S8 4	100YR-24HR	0.00	-5.83	-0.01	-2.70	-4.56	-3.63
PR4S63E_S63 D	100YR-24HR	2.44	0.00	0.00	1.57	3.55	2.56
PR4S63_4GW 8	100YR-24HR	5.84	0.00	0.00	0.00	0.00	0.00
PR4S63_PND 403	100YR-24HR	0.00	-0.43	0.00	-0.35	-1.86	-1.10
PR4S65_PND 403	100YR-24HR	0.05	-0.03	0.01	0.56	-0.40	0.35
PR4S66_PND 405	100YR-24HR	0.10	0.00	0.01	1.58	1.60	1.53
PR4S68_S69	100YR-24HR	1.20	0.00	0.00	1.72	3.07	2.39
PR4S79_PND 401	100YR-24HR	1.04	0.00	0.03	2.68	2.71	2.68
PR4S81_PND 401	100YR-24HR	0.82	0.00	0.14	2.73	3.09	2.79
PR4S83_PND	100YR-24HR	2.86	-5.37	-0.51	2.38	3.39	2.72

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
401							
PR4S84B_S63E	100YR-24HR	3.22	0.00	-1.67	2.28	3.83	2.95
PR4S84_S83	100YR-24HR	0.68	-4.77	-0.87	-0.82	1.47	1.03
PR4S85_S83	100YR-24HR	1.79	-1.38	-0.12	1.95	3.01	2.41
PR4S86_S85	100YR-24HR	1.12	-1.92	0.02	1.19	1.77	1.48
PR4S87_S86	100YR-24HR	0.73	-2.32	0.00	-1.31	2.45	1.84
PR4S90_S87	100YR-24HR	0.03	-3.44	-0.09	-2.08	-3.45	-2.76
PR4S91+B_O402	100YR-24HR	16.01	0.00	-2.42	1.63	1.63	1.63
PR4S91_WEIR1	100YR-24HR	15.27	0.00	0.24	1.73	1.73	1.73
PR4S91_WEIR2	100YR-24HR	0.74	0.00	0.03	4.31	4.31	4.31
PR4S92_S96	100YR-24HR	1.62	0.00	-0.03	2.04	2.64	2.34
PR4S93_S95	100YR-24HR	0.60	0.00	0.07	1.69	1.44	1.28
PR4S94_S92	100YR-24HR	0.81	0.00	0.00	1.97	1.79	1.69
PR4S95_S91+A	100YR-24HR	15.78	-0.31	-6.72	1.26	1.27	1.27
PR4S96_S95	100YR-24HR	14.70	0.00	1.24	1.30	1.18	1.24
PR4S97_S96	100YR-24HR	12.88	0.00	0.82	1.39	1.33	1.36
PR4S98A_4GW6	100YR-24HR	0.81	0.00	0.00	0.00	0.00	0.00
PR4S98A_S98B	100YR-24HR	11.73	0.00	0.00	2.75	4.82	3.78
PR4S98B_4GW6	100YR-24HR	0.47	0.00	0.00	0.00	0.00	0.00
PR4S98B_S97	100YR-24HR	11.74	0.00	0.52	4.03	1.26	2.65
PR4S98_S99	100YR-24HR	2.89	-0.31	2.89	0.33	0.30	0.32
PR4S99_S98A	100YR-24HR	10.28	0.00	0.03	2.83	3.58	3.02
PR5S01+2_S63E	100YR-24HR	0.04	-0.77	-0.02	-0.25	-2.31	-1.27
PR5S01+A_5GW1	100YR-24HR	1.29	0.00	0.00	0.00	0.00	0.00
PR5S01_WEIR	100YR-24HR	0.00	-0.77	0.00	0.00	0.00	0.00
PR5S02_S01+A	100YR-24HR	0.55	0.00	0.00	1.81	5.25	3.45
PR5S03_S04+A	100YR-24HR	0.60	0.00	0.16	4.43	0.81	2.32
PR5S04+2_S90	100YR-24HR	0.02	-4.37	0.03	-1.54	-2.20	-1.87
PR5S04+A_5GW5	100YR-24HR	2.48	0.00	0.00	0.00	0.00	0.00
PR5S04_WEIR	100YR-24HR	0.00	-4.37	0.00	0.00	0.00	0.00
PR5S05_5GW	100YR-24HR	1.28	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
1							
PR5S05_5GW2	100YR-24HR	1.28	0.00	0.00	0.00	0.00	0.00
PR5S05_S01+A	100YR-24HR	0.27	-0.32	0.08	0.12	0.14	0.13
PR5S06_S05	100YR-24HR	0.95	0.00	0.00	2.02	6.13	3.97
PR5S07_S08	100YR-24HR	0.93	0.00	-0.13	4.99	10.91	7.13
PR5S08_5GW5	100YR-24HR	2.32	0.00	0.00	0.00	0.00	0.00
PR5S08_5GW6	100YR-24HR	2.32	0.00	0.00	0.00	0.00	0.00
PR5S08_S04+A	100YR-24HR	0.07	-4.15	-0.03	-1.32	-1.32	-1.32
PR5S09_5GW2	100YR-24HR	1.29	0.00	0.00	0.00	0.00	0.00
PR5S09_5GW3	100YR-24HR	1.29	0.00	0.00	0.00	0.00	0.00
PR5S09_S05	100YR-24HR	0.97	0.00	-0.10	0.38	0.39	0.38
PR5S10_S09	100YR-24HR	0.95	0.00	0.00	2.02	6.07	3.94
PR5S11_S12	100YR-24HR	0.70	0.00	-0.05	2.96	0.94	1.68
PR5S12_5GW6	100YR-24HR	2.31	0.00	0.00	0.00	0.00	0.00
PR5S12_S08	100YR-24HR	0.24	-0.87	0.43	0.40	0.67	0.48
PR5S13_S14	100YR-24HR	0.84	0.00	0.00	1.98	6.99	4.49
PR5S14A_S14	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
PR5S14_S12	100YR-24HR	1.66	0.00	-1.50	0.96	0.49	0.71
PR5S14_WEIR	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
PR5S15_5GW3	100YR-24HR	1.33	0.00	0.00	0.00	0.00	0.00
PR5S15_5GW4	100YR-24HR	1.33	0.00	0.00	0.00	0.00	0.00
PR5S15_S09	100YR-24HR	2.12	0.00	0.06	0.68	0.70	0.68
PR5S16_S15	100YR-24HR	1.42	0.00	0.00	2.22	7.33	4.70
PR5S18_5GW7	100YR-24HR	2.42	0.00	0.00	0.00	0.00	0.00
PR5S19_PR5S20A	100YR-24HR	3.93	0.00	-0.11	3.39	10.26	6.42
PR5S20A_5GW7	100YR-24HR	2.44	0.00	0.00	0.00	0.00	0.00
PR5S20A_S18	100YR-24HR	1.78	0.00	0.23	0.57	0.57	0.57
PR5S20B_S20A	100YR-24HR	0.17	0.00	-0.02	1.75	1.49	1.30
PR5S21A_5GW4	100YR-24HR	1.40	0.00	0.00	0.00	0.00	0.00
PR5S21A_S15	100YR-24HR	2.99	-0.01	0.03	0.95	0.95	0.95
PR5S21B_S21	100YR-24HR	3.09	0.00	0.01	2.46	3.92	3.19

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
A							
PR5S21C_S21B	100YR-24HR	1.93	0.00	0.02	2.08	1.35	1.70
PR5S22A_S19	100YR-24HR	3.55	0.00	0.00	2.44	2.69	2.57
PR5S22_S21A	100YR-24HR	0.78	0.00	-0.01	1.79	5.24	3.51
PR5S23_S22A	100YR-24HR	3.20	0.00	0.00	2.38	2.20	2.29
PR5S24A_S23	100YR-24HR	2.91	0.00	0.00	2.06	2.16	2.11
PR5S24_S21B	100YR-24HR	6.37	0.00	0.85	4.71	8.92	6.73
PR5S25_S24A	100YR-24HR	2.60	0.00	-0.01	2.20	1.84	2.02
PR5S26_S25	100YR-24HR	2.27	0.00	-0.01	2.17	1.93	2.05
PR5S27_S21C	100YR-24HR	2.41	0.00	1.69	3.76	1.37	2.56
PR5S29_S26	100YR-24HR	2.03	0.00	0.02	2.13	1.94	2.03
PR5S30_S29	100YR-24HR	1.58	0.00	0.00	2.13	8.07	5.10
PR5S31_S27	100YR-24HR	0.73	0.00	0.01	1.75	1.08	1.41
PR5S32_S30	100YR-24HR	1.00	0.00	0.00	1.75	1.98	1.79
SWL4E1_S09	100YR-24HR	7.83	0.00	-0.08	3.75	5.40	4.57
SWL4W1_4S98A	100YR-24HR	2.27	0.00	-0.04	3.18	11.97	7.58
CH4_2+SEC1	100YR-8HR	11.89	-0.91	-0.04	0.33	-0.27	0.26
CH4_2+SEC2	100YR-8HR	2.75	-8.62	-0.05	0.70	2.18	1.38
CH4_2+SEC3	100YR-8HR	0.00	-10.81	-0.05	-0.62	-1.67	-1.01
CH4_3+SEC2	100YR-8HR	0.65	-6.86	-0.38	-0.75	-2.24	-1.42
CH4_3+SEC4	100YR-8HR	0.00	-11.80	-0.18	-2.79	-3.05	-2.51
CH4_3+SEC5	100YR-8HR	0.49	-10.72	-0.04	-1.07	-3.03	-1.99
CH4_4+SEC1	100YR-8HR	20.12	-1.25	6.50	0.41	-1.40	-0.83
CH4_5+SEC2	100YR-8HR	12.16	-2.50	-0.11	1.06	1.45	1.24
EX4S03+B_O401	100YR-8HR	93.59	-0.22	-6.81	3.72	3.72	3.72
EX4S03_WEIR1	100YR-8HR	48.33	0.00	0.39	2.94	2.94	2.94
EX4S03_WEIR2	100YR-8HR	45.26	0.00	0.01	2.25	2.25	2.25
EX4S106_SWL4W1	100YR-8HR	2.47	0.00	0.02	3.99	19.60	11.79
EX4S107_SWL4W1	100YR-8HR	2.31	0.00	-0.02	3.90	19.28	11.59
EX4S108_S106	100YR-8HR	1.26	0.00	0.00	1.95	1.64	1.80
EX4S109_S107	100YR-8HR	1.18	0.00	0.00	2.33	1.61	1.97
EX4S10_S08	100YR-8HR	4.64	-0.59	-0.78	4.70	3.83	4.26
EX4S11_S12A	100YR-8HR	29.71	-0.06	-0.09	16.81	16.81	16.81
EX4S14_S14A	100YR-8HR	14.94	0.00	1.42	8.45	8.45	8.45
EX4S18_S17B	100YR-8HR	2.07	0.00	0.29	3.77	1.69	2.73
EX4S21_S26	100YR-8HR	1.14	0.00	0.02	3.14	1.55	2.35
EX4S22_S27	100YR-8HR	0.85	0.00	-0.02	2.89	0.93	1.91
EX4S23_S28	100YR-8HR	2.51	0.00	-0.02	4.01	2.43	3.22

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S24_S31	100YR-8HR	1.41	0.00	0.00	1.71	1.15	1.39
EX4S25_S33	100YR-8HR	1.74	0.00	0.00	2.10	2.00	1.86
EX4S26_SWL4E1	100YR-8HR	2.31	0.00	-0.02	3.90	18.44	11.17
EX4S27_SWL4E1	100YR-8HR	2.03	0.00	-0.02	3.74	17.94	10.84
EX4S28_SWL4E1	100YR-8HR	4.06	0.00	0.05	4.78	21.07	12.93
EX4S29_SWL4E1	100YR-8HR	9.46	0.00	-0.04	3.03	5.40	4.21
EX4S30_S29	100YR-8HR	8.86	0.00	0.00	2.87	3.03	2.95
EX4S31_S30	100YR-8HR	7.86	0.00	0.00	3.55	2.54	2.89
EX4S32_S33	100YR-8HR	2.84	-0.02	-0.02	2.48	2.46	2.41
EX4S33_S31	100YR-8HR	4.57	0.00	0.00	2.17	2.05	2.09
EX4S35_PND402	100YR-8HR	2.30	-9.51	-0.02	-1.89	2.63	2.07
EX4S36_PND404	100YR-8HR	7.81	-5.80	-0.06	0.83	-1.49	-0.85
EX4S37_S38	100YR-8HR	9.03	0.00	-0.01	2.87	2.87	2.87
EX4S38_S39	100YR-8HR	9.67	0.00	-0.01	3.08	3.08	3.08
EX4S39_S40	100YR-8HR	12.42	0.00	-0.02	2.53	2.53	2.53
EX4S40_S41	100YR-8HR	12.97	0.00	0.01	2.64	2.64	2.64
EX4S41_S42	100YR-8HR	13.25	0.00	-0.01	2.70	2.70	2.70
EX4S42_S43A	100YR-8HR	15.95	0.00	0.03	3.25	3.32	3.25
EX4S43A_4GW1	100YR-8HR	3.51	0.00	0.82	0.00	0.00	0.00
EX4S43A_S43	100YR-8HR	12.66	0.00	0.61	1.43	2.71	1.80
EX4S43_4GW1	100YR-8HR	3.28	0.00	0.82	0.00	0.00	0.00
EX4S43_4GW2	100YR-8HR	3.70	0.00	0.93	0.00	0.00	0.00
EX4S43_S44	100YR-8HR	9.80	-0.35	0.49	1.21	2.11	1.36
EX4S44_4GW2	100YR-8HR	3.55	0.00	0.93	0.00	0.00	0.00
EX4S44_4GW3	100YR-8HR	1.47	0.00	0.40	0.00	0.00	0.00
EX4S44_S45	100YR-8HR	8.93	-0.46	-0.36	1.45	2.91	2.03
EX4S45_4GW3	100YR-8HR	1.45	0.00	0.48	0.00	0.00	0.00
EX4S45_4GW4	100YR-8HR	8.31	0.00	2.74	0.00	0.00	0.00
EX4S45_S46A	100YR-8HR	6.71	-4.95	-0.25	1.05	3.42	2.20
EX4S46A_4GW4	100YR-8HR	8.31	0.00	2.74	0.00	0.00	0.00
EX4S47_S36	100YR-8HR	0.59	0.00	0.06	2.62	2.73	2.59
EX4S48_PND404	100YR-8HR	0.78	0.00	0.13	2.83	2.82	2.77

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S49_CH4_2+A	100YR-8HR	19.79	-1.44	-2.62	0.81	-1.23	0.81
EX4S50_S50A	100YR-8HR	3.88	0.00	-0.02	2.55	3.47	3.01
EX4S51_S51A	100YR-8HR	0.70	-10.87	-0.17	-6.15	-6.75	-6.38
EX4S54_S53	100YR-8HR	4.98	0.00	-0.02	3.62	4.12	3.57
EX4S57_S37	100YR-8HR	8.38	0.00	-0.02	4.74	4.74	4.74
EX4S58_S39	100YR-8HR	2.12	0.00	0.30	3.79	4.05	3.74
EX4S59_S42	100YR-8HR	1.45	0.00	0.20	3.37	3.70	3.37
EX4S60_S43	100YR-8HR	1.72	0.00	0.24	3.89	4.47	3.80
EX4S61_S45	100YR-8HR	3.07	0.00	0.43	4.30	5.11	4.45
EX4S64_S36	100YR-8HR	11.61	-2.23	-0.12	2.70	3.02	2.76
EX4S67_PND404	100YR-8HR	22.57	0.00	0.05	1.60	2.14	1.61
EX4S69+A_S69	100YR-8HR	15.93	-0.15	4.87	1.68	1.68	1.68
EX4S69_PND405	100YR-8HR	20.83	0.00	-1.33	1.52	2.15	1.66
EX4S69_WEIR	100YR-8HR	15.95	0.00	0.01	1.28	1.28	1.28
EX4S70_S51	100YR-8HR	2.65	0.00	0.00	2.75	3.93	3.30
EX4S71_S52	100YR-8HR	9.69	0.00	-1.39	7.89	8.13	8.01
EX4S72_S53	100YR-8HR	3.04	0.00	0.05	4.29	5.89	5.09
EX4S73_S54	100YR-8HR	3.07	0.00	-0.01	2.93	4.33	3.62
EX4S74_S54	100YR-8HR	4.08	0.00	0.62	4.80	3.32	4.06
EX4S75_PND403	100YR-8HR	3.73	0.00	-0.05	4.63	12.18	8.41
EX4S76_PND405	100YR-8HR	3.57	0.00	-0.05	4.55	31.96	18.25
EX4S78_S63A	100YR-8HR	2.11	0.00	0.02	3.79	11.23	7.51
EX5S17_S18	100YR-8HR	3.54	0.00	-2.97	3.04	2.00	2.52
EX5S18_PND501	100YR-8HR	3.96	0.00	0.01	2.57	8.18	5.38
EX5S33_S31	100YR-8HR	0.73	0.00	0.01	1.75	0.79	1.27
PND405_S67	100YR-8HR	22.58	0.00	-0.08	1.61	1.62	1.61
PR4S02_S03+A	100YR-8HR	2.10	0.00	0.24	3.49	3.14	3.31
PR4S04_S05	100YR-8HR	2.45	0.00	0.43	4.08	4.03	3.98
PR4S05_S06	100YR-8HR	5.09	-0.32	-1.57	4.33	3.50	3.92
PR4S06_S03+A	100YR-8HR	90.87	0.00	2.65	3.23	3.21	3.22
PR4S08_S06	100YR-8HR	78.73	0.00	1.41	2.87	2.79	2.83
PR4S09_S08	100YR-8HR	63.88	0.00	3.59	2.93	2.78	2.86
PR4S101A_S101	100YR-8HR	6.60	-8.88	0.23	-2.51	-4.68	-3.60
PR4S101B_S101A	100YR-8HR	6.34	-0.78	0.01	1.29	-2.44	-1.30
PR4S101C_S1	100YR-8HR	4.45	0.00	-0.04	3.86	0.95	2.28

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
01B							
PR4S101D_S101C	100YR-8HR	4.45	0.00	0.00	1.90	3.04	2.47
PR4S101E_S101D	100YR-8HR	4.46	0.00	0.00	1.62	2.56	1.77
PR4S101_4S99	100YR-8HR	26.47	0.00	-0.06	4.21	4.21	4.21
PR4S102_S101E	100YR-8HR	4.46	0.00	-0.01	3.64	5.00	4.32
PR4S104_S102	100YR-8HR	2.92	0.00	-0.02	3.98	3.14	3.25
PR4S12A_4GW7	100YR-8HR	3.81	0.00	0.00	0.00	0.00	0.00
PR4S12A_S09	100YR-8HR	43.22	0.00	-0.05	3.84	5.42	4.63
PR4S12B_4GW7	100YR-8HR	5.63	0.00	0.06	0.00	0.00	0.00
PR4S12B_S12A	100YR-8HR	30.33	-0.57	3.48	4.29	4.29	4.29
PR4S12_S12A	100YR-8HR	12.09	0.00	-0.01	6.84	7.35	7.08
PR4S14A_S12B	100YR-8HR	75.26	0.00	-1.08	10.65	11.17	10.91
PR4S15_PND402	100YR-8HR	2.84	0.00	-0.05	4.18	34.64	19.41
PR4S16A_S14A	100YR-8HR	17.07	-44.95	0.59	-6.36	-8.16	-7.26
PR4S16_S16A	100YR-8HR	1.42	-2.08	-1.30	-2.41	-3.75	-3.07
PR4S17A_S17B	100YR-8HR	13.68	-0.25	0.01	2.30	2.39	2.35
PR4S17B_S17C	100YR-8HR	14.54	-0.02	0.01	2.66	2.35	2.50
PR4S17C_S16A	100YR-8HR	16.49	-2.40	0.04	2.56	-3.27	2.56
PR4S17_S17C	100YR-8HR	3.44	-1.58	-3.19	3.45	6.93	5.17
PR4S19_S17A	100YR-8HR	3.20	0.00	-0.05	4.37	13.89	9.13
PR4S20_PND404	100YR-8HR	2.76	0.00	0.02	4.14	28.82	16.48
PR4S52_4GW11	100YR-8HR	16.49	0.00	0.02	0.00	0.00	0.00
PR4S52_S51	100YR-8HR	0.01	-56.38	1.04	-7.98	-8.95	-8.46
PR4S53_4GW11	100YR-8HR	16.20	0.00	0.00	0.00	0.00	0.00
PR4S53_S52	100YR-8HR	0.24	-9.78	-1.06	-1.48	-1.54	-1.51
PR4S55_4GW10	100YR-8HR	3.13	0.00	0.02	0.00	0.00	0.00
PR4S55_S54	100YR-8HR	0.12	-4.94	0.01	-2.80	-4.46	-3.40
PR4S56_4GW10	100YR-8HR	3.13	0.00	-0.02	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR4S56_S55	100YR-8HR	29.65	-2.92	-3.42	4.20	4.20	4.20
PR4S62_S63	100YR-8HR	5.37	0.00	4.35	3.32	3.34	3.30
PR4S63A_4GW8	100YR-8HR	11.58	0.00	0.00	0.00	0.00	0.00
PR4S63A_S63	100YR-8HR	0.00	-10.16	0.09	-1.44	-1.44	-1.44
PR4S63B_S63A	100YR-8HR	0.19	-0.11	0.15	0.76	-1.39	-0.70
PR4S63C_4GW9	100YR-8HR	6.98	0.00	0.00	0.00	0.00	0.00
PR4S63C_S80	100YR-8HR	0.00	-3.04	0.00	-2.16	-3.76	-2.96
PR4S63D_4GW9	100YR-8HR	7.01	0.00	0.00	0.00	0.00	0.00
PR4S63D_S63C	100YR-8HR	4.66	-0.20	1.30	0.66	0.66	0.66
PR4S63D_S84	100YR-8HR	0.00	-7.13	0.01	-2.95	-4.86	-3.91
PR4S63E_S63D	100YR-8HR	5.47	0.00	0.00	2.14	4.45	3.29
PR4S63_4GW8	100YR-8HR	11.82	0.00	0.00	0.00	0.00	0.00
PR4S63_PND403	100YR-8HR	9.07	-6.34	0.04	2.41	-3.58	-2.43
PR4S65_PND403	100YR-8HR	0.14	-0.51	0.02	-0.79	-2.42	-1.56
PR4S66_PND405	100YR-8HR	0.34	0.00	0.05	2.25	2.26	2.23
PR4S68_S69	100YR-8HR	3.61	0.00	-0.01	2.53	4.28	3.40
PR4S79_PND401	100YR-8HR	3.18	0.00	-0.16	3.47	4.32	3.51
PR4S81_PND401	100YR-8HR	2.48	0.00	-0.50	3.91	4.79	4.35
PR4S83_PND401	100YR-8HR	12.04	-5.53	-0.69	3.13	5.02	3.93
PR4S84B_S63E	100YR-8HR	9.65	0.00	-3.32	3.07	4.09	3.14
PR4S84_S83	100YR-8HR	2.17	-5.07	-1.24	-0.83	1.53	1.07
PR4S85_S83	100YR-8HR	7.37	-1.46	-0.16	2.79	3.12	2.79
PR4S86_S85	100YR-8HR	4.24	-2.00	-0.02	1.79	2.03	1.91
PR4S87_S86	100YR-8HR	2.39	-2.41	-0.02	1.69	2.71	2.06
PR4S90_S87	100YR-8HR	0.03	-3.88	0.09	-2.08	-3.45	-2.76
PR4S91+B_O402	100YR-8HR	45.74	0.00	-2.00	4.66	4.66	4.66
PR4S91_WEIR1	100YR-8HR	45.07	0.00	-0.15	2.43	2.43	2.43
PR4S91_WEIR2	100YR-8HR	0.75	0.00	-0.02	4.39	4.39	4.39
PR4S92_S96	100YR-8HR	7.47	0.00	-5.60	5.61	4.54	5.07

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR4S93_S95	100YR-8HR	1.78	0.00	0.05	2.15	1.97	1.91
PR4S94_S92	100YR-8HR	2.43	0.00	0.05	2.17	2.32	2.08
PR4S95_S91+A	100YR-8HR	44.94	-0.45	6.03	3.58	3.58	3.58
PR4S96_S95	100YR-8HR	41.82	0.00	-1.18	3.33	3.33	3.33
PR4S97_S96	100YR-8HR	36.36	0.00	0.54	2.97	2.98	2.97
PR4S98A_4GW6	100YR-8HR	2.87	0.00	0.00	0.00	0.00	0.00
PR4S98A_S98B	100YR-8HR	34.26	0.00	0.02	4.85	6.26	5.55
PR4S98B_4GW6	100YR-8HR	1.30	0.00	0.00	0.00	0.00	0.00
PR4S98B_S97	100YR-8HR	32.97	0.00	0.51	4.85	2.69	3.72
PR4S98_S99	100YR-8HR	5.94	-0.15	-4.78	0.62	0.62	0.62
PR4S99_S98A	100YR-8HR	30.73	0.00	0.19	3.29	3.50	3.39
PR5S01+2_S63E	100YR-8HR	0.08	-4.18	0.00	-1.33	-2.93	-1.73
PR5S01+A_5GW1	100YR-8HR	3.97	0.00	0.00	0.00	0.00	0.00
PR5S01_WEIR	100YR-8HR	0.00	-4.18	0.00	0.00	0.00	0.00
PR5S02_S01+A	100YR-8HR	1.66	0.00	0.56	2.24	5.26	3.45
PR5S03_S04+A	100YR-8HR	3.42	0.00	2.54	4.43	1.93	2.51
PR5S04+2_S90	100YR-8HR	0.02	-5.63	0.00	-1.83	-2.66	-2.24
PR5S04+A_5GW5	100YR-8HR	5.02	0.00	0.00	0.00	0.00	0.00
PR5S04_WEIR	100YR-8HR	0.00	-5.63	0.00	0.00	0.00	0.00
PR5S05_5GW1	100YR-8HR	3.91	0.00	0.00	0.00	0.00	0.00
PR5S05_5GW2	100YR-8HR	3.91	0.00	0.00	0.00	0.00	0.00
PR5S05_S01+A	100YR-8HR	0.24	-2.54	0.07	-0.81	-0.81	-0.81
PR5S06_S05	100YR-8HR	2.83	0.00	0.00	2.61	6.21	4.02
PR5S07_S08	100YR-8HR	4.57	0.00	-2.83	4.98	11.70	7.44
PR5S08_5GW5	100YR-8HR	4.66	0.00	0.00	0.00	0.00	0.00
PR5S08_5GW6	100YR-8HR	4.66	0.00	0.00	0.00	0.00	0.00
PR5S08_S04+A	100YR-8HR	0.16	-6.09	-0.02	-1.94	-1.94	-1.94
PR5S09_5GW2	100YR-8HR	3.93	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR5S09_5GW3	100YR-8HR	3.93	0.00	0.00	0.00	0.00	0.00
PR5S09_S05	100YR-8HR	1.36	0.00	-0.03	0.43	0.43	0.43
PR5S10_S09	100YR-8HR	2.83	0.00	0.00	2.61	6.14	3.98
PR5S11_S12	100YR-8HR	3.33	0.00	2.40	3.13	8.79	5.60
PR5S12_5GW6	100YR-8HR	4.66	0.00	0.00	0.00	0.00	0.00
PR5S12_S08	100YR-8HR	0.54	-0.92	-0.50	0.62	1.18	0.78
PR5S13_S14	100YR-8HR	2.51	0.00	0.00	2.56	9.33	5.90
PR5S14A_S14	100YR-8HR	0.10	-0.62	0.01	0.67	-2.44	-1.32
PR5S14_S12	100YR-8HR	2.46	0.00	-1.61	0.97	0.64	0.73
PR5S14_WEIR	100YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
PR5S15_5GW3	100YR-8HR	4.17	0.00	0.00	0.00	0.00	0.00
PR5S15_5GW4	100YR-8HR	4.17	0.00	0.00	0.00	0.00	0.00
PR5S15_S09	100YR-8HR	5.13	0.00	-0.02	1.63	1.63	1.63
PR5S16_S15	100YR-8HR	4.25	0.00	0.00	2.95	7.17	4.60
PR5S18_5GW7	100YR-8HR	5.16	0.00	0.00	0.00	0.00	0.00
PR5S19_PR5S20A	100YR-8HR	11.77	0.00	-7.56	3.97	2.40	2.91
PR5S20A_5GW7	100YR-8HR	5.39	0.00	0.00	0.00	0.00	0.00
PR5S20A_S18	100YR-8HR	7.18	0.00	0.12	2.29	2.29	2.29
PR5S20B_S20A	100YR-8HR	0.44	-0.67	0.07	1.84	1.39	1.21
PR5S21A_5GW4	100YR-8HR	4.85	0.00	0.00	0.00	0.00	0.00
PR5S21A_S15	100YR-8HR	8.21	-0.01	0.01	2.61	2.61	2.61
PR5S21B_S21A	100YR-8HR	9.19	0.00	0.01	3.41	4.90	4.00
PR5S21C_S21B	100YR-8HR	5.74	0.00	0.02	2.79	1.73	2.26
PR5S22A_S19	100YR-8HR	10.64	0.00	-0.06	2.66	2.78	2.68
PR5S22_S21A	100YR-8HR	5.10	0.00	-4.95	3.20	5.96	3.97
PR5S23_S22A	100YR-8HR	9.59	0.00	0.01	2.58	2.45	2.51
PR5S24A_S23	100YR-8HR	8.70	0.00	0.00	2.31	2.41	2.35
PR5S24_S21B	100YR-8HR	6.37	0.00	0.85	4.71	8.92	6.73
PR5S25_S24A	100YR-8HR	7.78	0.00	-0.01	2.39	2.12	2.25
PR5S26_S25	100YR-8HR	6.80	0.00	-0.01	2.43	2.16	2.30
PR5S27_S21C	100YR-8HR	4.42	0.00	1.81	3.76	2.50	2.73
PR5S29_S26	100YR-8HR	6.08	0.00	-0.03	2.71	2.24	2.37
PR5S30_S29	100YR-8HR	4.74	0.00	0.00	2.76	10.69	6.67
PR5S31_S27	100YR-8HR	2.19	0.00	0.01	2.36	1.47	1.91
PR5S32_S30	100YR-8HR	3.00	0.00	0.00	2.34	2.03	2.18

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
SWL4E1_S09	100YR-8HR	21.91	0.00	-0.21	5.27	7.42	6.35
SWL4W1_4S98A	100YR-8HR	6.58	0.00	0.89	4.60	14.81	9.35
CH4_2+SEC1	10YR-1HR	3.05	-4.83	-0.07	0.33	-0.79	-0.50
CH4_2+SEC2	10YR-1HR	3.36	-1.27	0.03	0.95	2.91	1.92
CH4_2+SEC3	10YR-1HR	0.00	-1.91	0.00	-0.56	-2.12	-1.32
CH4_3+SEC2	10YR-1HR	0.73	-6.34	0.08	-0.87	-2.84	-1.84
CH4_3+SEC4	10YR-1HR	0.00	-1.99	-0.01	-1.66	-2.61	-2.13
CH4_3+SEC5	10YR-1HR	0.40	-0.94	0.00	-0.52	1.81	1.12
CH4_4+SEC1	10YR-1HR	3.88	-5.22	0.21	-0.53	-2.03	-1.25
CH4_5+SEC2	10YR-1HR	3.00	0.00	0.00	0.67	1.45	0.91
EX4S03+B_O401	10YR-1HR	62.86	-0.29	-7.00	2.50	2.50	2.50
EX4S03_WEIR1	10YR-1HR	39.80	0.00	0.40	2.82	2.82	2.82
EX4S03_WEIR2	10YR-1HR	23.05	0.00	0.01	1.79	1.79	1.79
EX4S106_SWL4W1	10YR-1HR	3.28	0.00	-0.05	4.41	21.31	12.86
EX4S107_SWL4W1	10YR-1HR	3.07	0.00	-0.05	4.30	20.98	12.64
EX4S108_S106	10YR-1HR	1.67	0.00	0.00	2.04	1.80	1.92
EX4S109_S107	10YR-1HR	1.56	0.00	0.00	2.37	1.75	2.05
EX4S10_S08	10YR-1HR	6.18	-0.52	-0.62	5.04	5.77	5.34
EX4S11_S12A	10YR-1HR	29.71	-0.09	-0.09	16.81	16.81	16.81
EX4S14_S14A	10YR-1HR	14.94	0.00	1.42	8.45	8.45	8.45
EX4S18_S17B	10YR-1HR	1.94	0.00	-0.02	3.69	7.15	4.99
EX4S21_S26	10YR-1HR	1.51	0.00	-0.02	3.42	1.69	2.55
EX4S22_S27	10YR-1HR	1.13	0.00	0.02	3.14	1.10	2.12
EX4S23_S28	10YR-1HR	3.34	0.00	0.05	4.44	2.80	3.62
EX4S24_S31	10YR-1HR	1.80	0.00	0.00	2.02	1.54	1.78
EX4S25_S33	10YR-1HR	2.23	0.00	0.00	2.52	2.89	2.48
EX4S26_SWL4E1	10YR-1HR	3.07	0.00	-0.05	4.30	20.07	12.18
EX4S27_SWL4E1	10YR-1HR	2.69	0.00	0.02	4.11	19.53	11.82
EX4S28_SWL4E1	10YR-1HR	5.39	0.00	-0.05	5.44	22.89	14.16
EX4S29_SWL4E1	10YR-1HR	9.93	0.00	0.04	3.16	5.50	4.32
EX4S30_S29	10YR-1HR	9.18	0.00	0.00	2.92	3.15	2.98
EX4S31_S30	10YR-1HR	7.93	0.00	0.00	3.55	2.52	2.90
EX4S32_S33	10YR-1HR	1.70	-0.19	-0.02	2.48	2.46	2.41
EX4S33_S31	10YR-1HR	3.84	-0.01	0.00	1.91	1.63	1.77
EX4S35_PND	10YR-1HR	1.66	-0.78	-0.01	1.59	2.76	2.17

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
402							
EX4S36_PND 404	10YR-1HR	1.49	-3.57	0.06	-0.68	-1.39	-0.92
EX4S37_S38	10YR-1HR	6.84	0.00	0.00	2.18	2.18	2.18
EX4S38_S39	10YR-1HR	7.70	0.00	0.01	2.45	2.45	2.45
EX4S39_S40	10YR-1HR	10.79	0.00	-0.02	2.25	2.31	2.28
EX4S40_S41	10YR-1HR	11.33	0.00	0.01	2.35	2.41	2.37
EX4S41_S42	10YR-1HR	11.58	0.00	-0.01	2.45	2.45	2.45
EX4S42_S43A	10YR-1HR	13.68	0.00	0.01	3.01	4.69	3.66
EX4S43A_4G W1	10YR-1HR	3.34	0.00	1.90	0.00	0.00	0.00
EX4S43A_S43	10YR-1HR	10.13	0.00	0.01	1.68	4.03	2.77
EX4S43_4GW 1	10YR-1HR	3.03	0.00	1.90	0.00	0.00	0.00
EX4S43_4GW 2	10YR-1HR	3.42	0.00	2.15	0.00	0.00	0.00
EX4S43_S44	10YR-1HR	6.26	-0.35	0.01	1.31	2.88	1.91
EX4S44_4GW 2	10YR-1HR	3.14	0.00	2.15	0.00	0.00	0.00
EX4S44_4GW 3	10YR-1HR	1.33	0.00	0.91	0.00	0.00	0.00
EX4S44_S45	10YR-1HR	4.27	0.00	-0.01	1.51	3.58	2.54
EX4S45_4GW 3	10YR-1HR	1.16	0.00	1.01	0.00	0.00	0.00
EX4S45_4GW 4	10YR-1HR	6.66	0.00	5.78	0.00	0.00	0.00
EX4S45_S46A	10YR-1HR	0.55	0.00	0.01	0.40	1.81	1.10
EX4S46A_4G W4	10YR-1HR	5.78	0.00	5.78	0.00	0.00	0.00
EX4S47_S36	10YR-1HR	0.61	0.00	0.02	2.64	2.94	2.79
EX4S48_PND 404	10YR-1HR	0.74	0.00	0.01	1.62	2.79	2.21
EX4S49_CH4 _2+A	10YR-1HR	4.01	-6.24	-0.81	-0.89	-2.41	-1.58
EX4S50_S50A	10YR-1HR	5.23	0.00	-0.06	3.18	5.28	4.23
EX4S51_S51A	10YR-1HR	0.70	-1.91	-0.17	2.11	-3.50	-2.68
EX4S54_S53	10YR-1HR	6.87	0.00	-0.01	3.62	4.78	4.10
EX4S57_S37	10YR-1HR	5.50	0.00	0.00	3.12	3.53	3.12
EX4S58_S39	10YR-1HR	2.36	0.00	0.33	3.93	4.23	3.91
EX4S59_S42	10YR-1HR	1.07	0.00	0.02	3.08	3.75	3.42
EX4S60_S43	10YR-1HR	1.12	0.00	0.02	3.13	4.46	3.79
EX4S61_S45	10YR-1HR	2.02	0.00	0.02	3.74	5.06	4.40
EX4S64_S36	10YR-1HR	2.96	0.00	0.01	1.94	2.71	2.29
EX4S67_PND 404	10YR-1HR	6.07	0.00	0.08	1.56	2.89	2.10
EX4S69+A_S 69	10YR-1HR	0.05	-0.63	0.00	-0.53	-1.65	-1.09

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S69_PND405	10YR-1HR	6.06	0.00	-0.03	1.86	3.21	2.46
EX4S69_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX4S70_S51	10YR-1HR	1.67	0.00	0.00	2.42	3.50	2.96
EX4S71_S52	10YR-1HR	6.62	0.00	1.46	6.09	7.71	6.90
EX4S72_S53	10YR-1HR	1.55	0.00	-0.02	3.44	4.89	4.17
EX4S73_S54	10YR-1HR	2.51	0.00	0.00	2.75	4.02	3.38
EX4S74_S54	10YR-1HR	1.89	0.00	0.02	3.66	1.56	2.61
EX4S75_PND403	10YR-1HR	4.96	0.00	0.05	5.22	13.20	9.21
EX4S76_PND405	10YR-1HR	4.74	0.00	-0.05	5.12	34.78	19.95
EX4S78_S63A	10YR-1HR	2.80	0.00	-0.05	4.17	12.24	8.20
EX5S17_S18	10YR-1HR	4.10	0.00	3.96	10.23	24.41	15.51
EX5S18_PND501	10YR-1HR	4.21	0.00	0.01	2.61	8.34	5.47
EX5S33_S31	10YR-1HR	0.96	0.00	-0.01	1.86	0.85	1.35
PND405_S67	10YR-1HR	6.20	0.00	-0.13	1.64	2.16	1.74
PR4S02_S03+A	10YR-1HR	3.00	0.00	-0.23	4.33	4.06	4.04
PR4S04_S05	10YR-1HR	3.28	0.00	0.38	4.35	4.21	4.24
PR4S05_S06	10YR-1HR	5.16	-0.26	0.96	4.72	4.79	4.31
PR4S06_S03+A	10YR-1HR	59.99	0.00	-2.17	2.20	2.13	2.16
PR4S08_S06	10YR-1HR	47.92	0.00	-1.78	1.86	1.76	1.81
PR4S09_S08	10YR-1HR	36.67	-0.01	3.59	2.40	2.08	2.24
PR4S101A_S101	10YR-1HR	7.53	-8.88	0.04	-2.51	-4.68	-3.60
PR4S101B_S101A	10YR-1HR	7.22	-3.16	0.01	1.49	-3.50	-2.02
PR4S101C_S101B	10YR-1HR	5.72	0.00	0.04	4.14	1.11	2.47
PR4S101D_S101C	10YR-1HR	5.76	0.00	0.01	2.08	3.93	2.93
PR4S101E_S101D	10YR-1HR	5.85	0.00	0.01	1.85	3.76	2.75
PR4S101_4S99	10YR-1HR	32.55	0.00	-0.03	5.18	5.18	5.18
PR4S102_S101E	10YR-1HR	5.92	0.00	0.01	4.83	5.73	5.28
PR4S104_S102	10YR-1HR	4.43	0.00	0.62	4.57	3.55	4.06
PR4S12A_4GW7	10YR-1HR	6.02	0.00	0.00	0.00	0.00	0.00
PR4S12A_S09	10YR-1HR	42.24	0.00	-0.05	3.81	5.39	4.60
PR4S12B_4G	10YR-1HR	7.68	0.00	0.05	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W7							
PR4S12B_S12A	10YR-1HR	29.67	-3.20	3.44	4.20	4.20	4.20
PR4S12_S12A	10YR-1HR	16.06	0.00	0.01	9.09	9.34	9.21
PR4S14A_S12B	10YR-1HR	75.26	0.00	-1.08	10.65	11.17	10.91
PR4S15_PND402	10YR-1HR	3.77	0.00	0.05	4.65	37.71	21.18
PR4S16A_S14A	10YR-1HR	5.84	-44.95	0.59	-6.36	-8.16	-7.26
PR4S16_S16A	10YR-1HR	2.70	-2.08	-2.04	2.97	5.07	4.02
PR4S17A_S17B	10YR-1HR	3.63	-2.85	0.01	1.75	-3.39	-2.48
PR4S17B_S17C	10YR-1HR	3.89	-0.96	0.03	2.50	-2.23	2.07
PR4S17C_S16A	10YR-1HR	5.27	-2.43	0.02	1.62	-3.29	-2.42
PR4S17_S17C	10YR-1HR	4.61	-1.61	2.08	3.76	7.67	5.69
PR4S19_S17A	10YR-1HR	4.26	0.00	-0.05	4.88	15.07	9.97
PR4S20_PND404	10YR-1HR	3.66	0.00	0.05	4.60	31.38	17.99
PR4S52_4GW11	10YR-1HR	12.39	0.00	0.02	0.00	0.00	0.00
PR4S52_S51	10YR-1HR	0.00	-56.38	1.01	-7.98	-8.95	-8.46
PR4S53_4GW11	10YR-1HR	12.34	0.00	0.00	0.00	0.00	0.00
PR4S53_S52	10YR-1HR	0.53	-9.81	-1.07	-1.50	-1.56	-1.53
PR4S55_4GW10	10YR-1HR	2.89	0.00	0.02	0.00	0.00	0.00
PR4S55_S54	10YR-1HR	0.11	-1.49	0.01	1.02	-3.26	-2.12
PR4S56_4GW10	10YR-1HR	3.05	0.00	-0.02	0.00	0.00	0.00
PR4S56_S55	10YR-1HR	29.65	-0.51	-3.51	4.20	4.20	4.20
PR4S62_S63	10YR-1HR	8.46	0.00	1.19	4.38	4.64	4.38
PR4S63A_4GW8	10YR-1HR	12.31	0.00	0.01	0.00	0.00	0.00
PR4S63A_S63	10YR-1HR	0.00	-9.63	0.09	-1.36	-1.36	-1.36
PR4S63B_S63A	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
PR4S63C_4GW9	10YR-1HR	6.65	0.00	0.00	0.00	0.00	0.00
PR4S63C_S80	10YR-1HR	0.00	-4.04	0.00	-2.42	-4.08	-3.25
PR4S63D_4GW9	10YR-1HR	6.66	0.00	0.00	0.00	0.00	0.00
PR4S63D_S63C	10YR-1HR	2.70	-0.63	-0.18	-0.84	-2.19	-1.49
PR4S63D_S8	10YR-1HR	0.00	-2.34	0.00	-1.85	-3.49	-2.67

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
4							
PR4S63E_S63D	10YR-1HR	7.04	0.00	-0.01	2.38	4.83	3.61
PR4S63_4GW8	10YR-1HR	12.56	0.00	0.01	0.00	0.00	0.00
PR4S63_PND403	10YR-1HR	2.95	-0.64	-0.02	1.98	3.04	2.45
PR4S65_PND403	10YR-1HR	0.12	-0.34	0.02	-0.63	-2.24	-1.42
PR4S66_PND405	10YR-1HR	0.24	0.00	0.00	1.31	2.09	1.70
PR4S68_S69	10YR-1HR	4.79	0.00	0.01	2.85	4.72	3.78
PR4S79_PND401	10YR-1HR	4.14	0.00	0.16	3.47	4.83	4.10
PR4S81_PND401	10YR-1HR	3.29	0.00	0.05	4.41	5.24	4.83
PR4S83_PND401	10YR-1HR	13.60	0.00	-0.05	2.99	5.34	4.16
PR4S84B_S63E	10YR-1HR	12.81	0.00	-3.61	4.08	6.83	5.14
PR4S84_S83	10YR-1HR	2.56	0.00	-0.01	1.25	2.44	1.80
PR4S85_S83	10YR-1HR	8.51	0.00	0.01	2.68	3.28	2.66
PR4S86_S85	10YR-1HR	4.34	0.00	0.00	1.62	1.75	1.68
PR4S87_S86	10YR-1HR	1.86	-0.04	0.00	1.47	2.58	1.96
PR4S90_S87	10YR-1HR	0.16	-3.38	0.01	-2.08	-3.45	-2.76
PR4S91+B_O402	10YR-1HR	50.89	-0.01	1.73	5.18	5.18	5.18
PR4S91_WEIR1	10YR-1HR	50.25	0.00	-0.11	2.43	2.43	2.43
PR4S91_WEIR2	10YR-1HR	0.75	-0.01	0.01	4.39	4.39	4.39
PR4S92_S96	10YR-1HR	7.51	0.00	5.45	5.62	4.57	5.10
PR4S93_S95	10YR-1HR	2.31	0.00	0.14	3.12	2.98	3.00
PR4S94_S92	10YR-1HR	3.15	0.00	-0.05	2.70	3.00	2.70
PR4S95_S91+A	10YR-1HR	49.85	-0.03	-5.65	3.97	3.97	3.97
PR4S96_S95	10YR-1HR	46.15	-0.01	-1.19	3.67	3.67	3.67
PR4S97_S96	10YR-1HR	39.78	-0.07	-0.33	3.17	3.18	3.18
PR4S98A_4GW6	10YR-1HR	4.67	0.00	0.00	0.00	0.00	0.00
PR4S98A_S98B	10YR-1HR	38.39	0.00	0.02	5.43	6.50	5.93
PR4S98B_4GW6	10YR-1HR	3.05	0.00	0.00	0.00	0.00	0.00
PR4S98B_S97	10YR-1HR	41.56	-0.44	7.26	5.38	3.31	4.35
PR4S98_S99	10YR-1HR	6.94	-0.03	5.09	0.72	0.72	0.72
PR4S99_S98A	10YR-1HR	37.98	0.00	-0.25	3.61	4.60	3.90

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR5S01+2_S63E	10YR-1HR	0.21	-5.70	0.00	-1.81	-4.15	-2.76
PR5S01+A_5GW1	10YR-1HR	4.61	0.00	0.00	0.00	0.00	0.00
PR5S01_WEIR	10YR-1HR	0.00	-5.70	-0.01	0.00	0.00	0.00
PR5S02_S01+A	10YR-1HR	2.21	0.00	0.00	2.48	9.00	5.70
PR5S03_S04+A	10YR-1HR	2.15	0.00	0.10	4.42	15.63	9.31
PR5S04+2_S90	10YR-1HR	0.07	-3.80	0.00	-1.48	-3.84	-2.65
PR5S04+A_5GW5	10YR-1HR	4.79	0.00	0.00	0.00	0.00	0.00
PR5S04_WEIR	10YR-1HR	0.00	-3.79	-0.01	0.00	0.00	0.00
PR5S05_5GW1	10YR-1HR	4.47	0.00	0.00	0.00	0.00	0.00
PR5S05_5GW2	10YR-1HR	4.47	0.00	0.00	0.00	0.00	0.00
PR5S05_S01+A	10YR-1HR	1.09	-3.59	0.03	-1.14	-1.14	-1.14
PR5S06_S05	10YR-1HR	3.77	0.00	0.00	2.86	10.48	6.63
PR5S07_S08	10YR-1HR	3.72	0.00	-0.13	4.98	19.25	11.26
PR5S08_5GW5	10YR-1HR	4.65	0.00	0.00	0.00	0.00	0.00
PR5S08_5GW6	10YR-1HR	4.65	0.00	0.00	0.00	0.00	0.00
PR5S08_S04+A	10YR-1HR	0.48	-3.71	-0.02	-1.18	-1.57	-1.18
PR5S09_5GW2	10YR-1HR	4.49	0.00	0.00	0.00	0.00	0.00
PR5S09_5GW3	10YR-1HR	4.49	0.00	0.00	0.00	0.00	0.00
PR5S09_S05	10YR-1HR	3.49	0.00	-0.03	1.45	1.62	1.53
PR5S10_S09	10YR-1HR	3.77	0.00	0.00	2.85	10.37	6.57
PR5S11_S12	10YR-1HR	2.80	0.00	-0.04	2.96	14.78	8.82
PR5S12_5GW6	10YR-1HR	4.67	0.00	0.00	0.00	0.00	0.00
PR5S12_S08	10YR-1HR	1.68	-0.14	-0.07	1.15	2.61	1.82
PR5S13_S14	10YR-1HR	3.34	0.00	0.00	2.76	10.53	6.64
PR5S14A_S14	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
PR5S14_S12	10YR-1HR	3.24	0.00	-0.03	1.69	2.08	1.64
PR5S14_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
PR5S15_5GW3	10YR-1HR	4.85	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR5S15_5GW4	10YR-1HR	4.85	0.00	0.00	0.00	0.00	0.00
PR5S15_S09	10YR-1HR	6.69	0.00	-0.01	2.13	2.46	2.27
PR5S16_S15	10YR-1HR	5.66	0.00	0.00	3.33	11.91	7.58
PR5S18_5GW7	10YR-1HR	6.43	0.00	0.00	0.00	0.00	0.00
PR5S19_PR5S20A	10YR-1HR	14.60	0.00	7.29	4.44	17.52	10.31
PR5S20A_5GW7	10YR-1HR	6.76	0.00	0.00	0.00	0.00	0.00
PR5S20A_S18	10YR-1HR	8.24	0.00	-0.06	2.62	2.62	2.62
PR5S20B_S20A	10YR-1HR	0.82	-2.51	-0.03	1.76	-3.53	-2.16
PR5S21A_5GW4	10YR-1HR	5.82	0.00	0.00	0.00	0.00	0.00
PR5S21A_S15	10YR-1HR	9.44	-0.03	-0.01	3.00	3.00	3.00
PR5S21B_S21A	10YR-1HR	10.94	0.00	0.01	3.68	5.14	4.22
PR5S21C_S21B	10YR-1HR	6.92	0.00	0.02	2.94	2.10	2.39
PR5S22A_S19	10YR-1HR	13.20	0.00	-0.02	3.13	3.24	3.19
PR5S22_S21A	10YR-1HR	5.14	0.00	-3.08	3.22	7.74	5.10
PR5S23_S22A	10YR-1HR	11.90	0.00	-0.01	2.93	2.89	2.91
PR5S24A_S23	10YR-1HR	10.83	0.00	0.01	2.64	2.75	2.69
PR5S24_S21B	10YR-1HR	6.37	0.00	-1.60	4.71	8.92	6.73
PR5S25_S24A	10YR-1HR	9.68	0.00	0.01	2.60	2.42	2.51
PR5S26_S25	10YR-1HR	8.58	0.00	-0.01	2.56	2.35	2.45
PR5S27_S21C	10YR-1HR	5.80	0.00	-1.37	3.76	5.78	4.33
PR5S29_S26	10YR-1HR	7.83	0.00	-0.05	3.04	2.40	2.62
PR5S30_S29	10YR-1HR	6.30	0.00	-0.01	2.96	12.09	7.51
PR5S31_S27	10YR-1HR	2.87	0.00	0.01	2.48	1.68	2.07
PR5S32_S30	10YR-1HR	3.98	0.00	0.00	2.52	2.42	2.32
SWL4E1_S09	10YR-1HR	16.62	0.00	0.21	4.77	6.83	5.80
SWL4W1_4S98A	10YR-1HR	6.61	0.00	-0.77	4.51	14.24	8.99
CH4_2+SEC1	10YR-24HR	2.98	-0.24	0.01	0.26	-0.11	0.18
CH4_2+SEC2	10YR-24HR	0.27	-1.01	-0.01	0.53	1.77	1.08
CH4_2+SEC3	10YR-24HR	0.00	-1.66	0.00	-0.54	-1.14	-0.68
CH4_3+SEC2	10YR-24HR	0.42	-0.85	-0.02	-0.35	-1.53	-0.94
CH4_3+SEC4	10YR-24HR	0.00	-1.23	-0.01	-1.45	-2.46	-1.95
CH4_3+SEC5	10YR-24HR	0.03	-0.92	0.00	-0.51	-1.38	-0.94
CH4_4+SEC1	10YR-24HR	3.97	-0.39	0.03	0.24	-1.00	-0.50
CH4_5+SEC2	10YR-24HR	1.01	0.00	0.00	0.43	0.60	0.51
EX4S03+B_O401	10YR-24HR	18.93	-0.30	7.38	0.75	0.75	0.75
EX4S03_WEIR1	10YR-24HR	18.88	0.00	0.45	2.10	2.10	2.10

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S03_WEIR2	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX4S106_SWL4W1	10YR-24HR	0.54	0.00	0.00	2.55	0.00	1.28
EX4S107_SWL4W1	10YR-24HR	0.51	0.00	0.00	2.51	0.00	1.25
EX4S108_S106	10YR-24HR	0.28	0.00	0.00	1.56	1.07	1.32
EX4S109_S107	10YR-24HR	0.26	0.00	0.00	1.94	1.06	1.50
EX4S10_S08	10YR-24HR	1.02	-0.52	-0.05	3.02	2.81	2.87
EX4S11_S12A	10YR-24HR	29.71	0.00	-0.09	16.81	16.81	16.81
EX4S14_S14A	10YR-24HR	14.94	0.00	1.42	8.45	8.45	8.45
EX4S18_S17B	10YR-24HR	0.34	0.00	0.01	2.24	0.83	1.26
EX4S21_S26	10YR-24HR	0.25	0.00	0.00	2.07	1.02	1.55
EX4S22_S27	10YR-24HR	0.19	0.00	0.00	1.92	0.41	1.17
EX4S23_S28	10YR-24HR	0.55	0.00	0.00	2.56	1.44	2.00
EX4S24_S31	10YR-24HR	0.31	0.00	0.00	1.43	0.78	1.09
EX4S25_S33	10YR-24HR	0.38	0.00	0.00	1.76	1.37	1.37
EX4S26_SWL4E1	10YR-24HR	0.51	0.00	0.00	2.51	0.00	1.25
EX4S27_SWL4E1	10YR-24HR	0.45	0.00	0.00	2.42	0.00	1.21
EX4S28_SWL4E1	10YR-24HR	0.89	0.00	0.02	2.93	13.43	8.18
EX4S29_SWL4E1	10YR-24HR	2.04	0.00	-0.01	1.75	3.34	2.55
EX4S30_S29	10YR-24HR	1.91	0.00	0.00	1.90	2.69	2.16
EX4S31_S30	10YR-24HR	1.69	0.00	0.00	3.13	1.68	2.40
EX4S32_S33	10YR-24HR	0.57	-0.01	-0.02	2.48	2.46	2.41
EX4S33_S31	10YR-24HR	0.96	0.00	0.00	1.81	1.77	1.79
EX4S35_PND402	10YR-24HR	0.21	-0.56	0.03	1.13	1.59	1.26
EX4S36_PND404	10YR-24HR	1.17	-0.45	0.02	0.40	-1.02	-0.57
EX4S37_S38	10YR-24HR	2.12	0.00	0.00	1.31	1.28	1.30
EX4S38_S39	10YR-24HR	2.31	0.00	0.00	1.39	1.37	1.38
EX4S39_S40	10YR-24HR	2.99	0.00	0.00	1.51	1.50	1.51
EX4S40_S41	10YR-24HR	3.14	0.00	0.00	1.57	1.57	1.57
EX4S41_S42	10YR-24HR	3.22	0.00	0.00	1.61	1.51	1.56
EX4S42_S43A	10YR-24HR	3.81	0.00	0.00	2.02	3.33	2.52
EX4S43A_4GW1	10YR-24HR	1.61	0.00	1.61	0.00	0.00	0.00
EX4S43A_S43	10YR-24HR	2.48	0.00	-0.02	0.98	2.74	1.82
EX4S43_4GW1	10YR-24HR	1.43	0.00	1.43	0.00	0.00	0.00
EX4S43_4GW	10YR-24HR	1.61	0.00	1.61	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
2							
EX4S43_S44	10YR-24HR	0.82	-0.35	0.01	0.57	2.02	1.29
EX4S44_4GW2	10YR-24HR	2.39	0.00	-2.15	0.00	0.00	0.00
EX4S44_4GW3	10YR-24HR	1.01	0.00	-0.91	0.00	0.00	0.00
EX4S44_S45	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX4S45_4GW3	10YR-24HR	0.79	0.00	0.79	0.00	0.00	0.00
EX4S45_4GW4	10YR-24HR	4.53	0.00	4.53	0.00	0.00	0.00
EX4S45_S46A	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX4S46A_4GW4	10YR-24HR	3.59	0.00	3.59	0.00	0.00	0.00
EX4S47_S36	10YR-24HR	0.11	0.00	0.01	1.66	1.75	1.70
EX4S48_PND404	10YR-24HR	0.12	0.00	0.00	1.15	1.73	1.44
EX4S49_CH4_2+A	10YR-24HR	4.13	-0.42	0.27	0.39	-0.64	-0.39
EX4S50_S50A	10YR-24HR	0.86	0.00	0.03	1.65	1.91	1.66
EX4S51_S51A	10YR-24HR	0.70	-1.66	-0.17	2.11	-3.37	-2.55
EX4S54_S53	10YR-24HR	1.89	0.00	0.01	2.45	3.27	2.86
EX4S57_S37	10YR-24HR	1.85	0.00	0.00	2.15	3.45	2.79
EX4S58_S39	10YR-24HR	0.43	0.00	0.00	2.39	2.81	2.60
EX4S59_S42	10YR-24HR	0.24	0.00	0.01	2.05	2.42	2.23
EX4S60_S43	10YR-24HR	0.27	0.00	0.01	2.12	2.95	2.54
EX4S61_S45	10YR-24HR	0.57	0.00	0.00	2.59	3.53	3.06
EX4S64_S36	10YR-24HR	1.00	0.00	0.00	1.44	1.84	1.49
EX4S67_PND404	10YR-24HR	2.23	0.00	-0.02	0.74	1.61	1.12
EX4S69+A_S69	10YR-24HR	0.00	-0.01	0.00	0.01	-0.01	-0.01
EX4S69_PND405	10YR-24HR	1.45	0.00	-0.11	0.99	1.50	1.16
EX4S69_WEIR	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX4S70_S51	10YR-24HR	0.54	0.00	0.00	1.76	2.55	2.16
EX4S71_S52	10YR-24HR	1.82	0.00	-0.02	3.61	5.12	4.37
EX4S72_S53	10YR-24HR	0.75	0.00	0.02	2.79	3.98	3.38
EX4S73_S54	10YR-24HR	0.64	0.00	0.00	1.89	2.66	2.27
EX4S74_S54	10YR-24HR	0.60	0.00	0.02	2.64	1.07	1.85
EX4S75_PND403	10YR-24HR	0.82	0.00	0.02	2.86	7.82	5.34
EX4S76_PND405	10YR-24HR	0.78	0.00	-0.02	2.83	0.00	1.41
EX4S78_S63A	10YR-24HR	0.46	0.00	0.00	2.44	7.15	4.80
EX5S17_S18	10YR-24HR	0.39	0.00	0.00	2.27	0.64	1.42

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX5S18_PND501	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX5S33_S31	10YR-24HR	0.16	0.00	0.01	1.41	0.60	1.00
PND405_S67	10YR-24HR	2.25	0.00	-0.13	0.90	1.05	0.97
PR4S02_S03+A	10YR-24HR	0.55	0.00	0.06	2.56	2.52	2.50
PR4S04_S05	10YR-24HR	0.50	0.00	0.00	2.49	3.10	2.80
PR4S05_S06	10YR-24HR	0.93	-0.26	-0.08	2.96	3.22	2.92
PR4S06_S03+A	10YR-24HR	18.40	0.00	-7.15	0.74	0.69	0.71
PR4S08_S06	10YR-24HR	23.33	0.00	4.71	1.10	0.99	1.04
PR4S09_S08	10YR-24HR	35.21	0.00	3.59	2.40	2.08	2.24
PR4S101A_S101	10YR-24HR	1.16	-8.88	-0.22	-2.51	-4.68	-3.60
PR4S101B_S101A	10YR-24HR	1.05	-0.19	0.01	0.85	-1.71	-0.88
PR4S101C_S101B	10YR-24HR	0.98	0.00	0.01	2.59	0.79	1.68
PR4S101D_S101C	10YR-24HR	0.98	0.00	0.00	1.10	2.13	1.62
PR4S101E_S101D	10YR-24HR	0.98	0.00	0.00	0.93	1.83	1.22
PR4S101_4S99	10YR-24HR	5.81	0.00	0.01	2.76	3.71	3.23
PR4S102_S101E	10YR-24HR	0.98	0.00	0.00	2.07	2.96	2.51
PR4S104_S102	10YR-24HR	0.64	0.00	-0.01	2.59	2.75	2.67
PR4S12A_4GW7	10YR-24HR	6.02	0.00	0.00	0.00	0.00	0.00
PR4S12A_S09	10YR-24HR	42.24	0.00	-0.05	3.81	5.39	4.60
PR4S12B_4GW7	10YR-24HR	7.68	0.00	0.05	0.00	0.00	0.00
PR4S12B_S12A	10YR-24HR	29.67	-0.31	3.44	4.20	4.20	4.20
PR4S12_S12A	10YR-24HR	2.66	0.00	0.00	2.76	3.89	3.33
PR4S14A_S12B	10YR-24HR	75.26	0.00	-1.08	10.65	11.17	10.91
PR4S15_PND402	10YR-24HR	0.62	0.00	-0.02	2.73	0.00	1.36
PR4S16A_S14A	10YR-24HR	4.61	-44.95	0.59	-6.36	-8.16	-7.26
PR4S16_S16A	10YR-24HR	0.57	-2.08	-0.52	-2.41	-3.75	-3.07
PR4S17A_S17B	10YR-24HR	3.53	-0.05	0.00	1.68	1.88	1.78
PR4S17B_S17C	10YR-24HR	3.79	-0.01	0.00	2.37	1.55	1.96

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR4S17C_S16A	10YR-24HR	4.41	-2.43	0.02	1.59	-3.29	-2.42
PR4S17_S17C	10YR-24HR	1.81	-1.61	-1.71	-2.17	-3.47	-2.81
PR4S19_S17A	10YR-24HR	0.70	0.00	-0.02	2.74	0.87	1.66
PR4S20_PND404	10YR-24HR	0.61	0.00	-0.02	2.64	0.00	1.32
PR4S52_4GW11	10YR-24HR	8.83	0.00	0.02	0.00	0.00	0.00
PR4S52_S51	10YR-24HR	0.01	-56.38	1.01	-7.98	-8.95	-8.46
PR4S53_4GW11	10YR-24HR	8.43	0.00	0.00	0.00	0.00	0.00
PR4S53_S52	10YR-24HR	0.08	-9.81	-1.07	-1.50	-1.56	-1.53
PR4S55_4GW10	10YR-24HR	2.89	0.00	0.02	0.00	0.00	0.00
PR4S55_S54	10YR-24HR	0.11	-0.03	0.01	1.02	1.73	1.37
PR4S56_4GW10	10YR-24HR	3.05	0.00	-0.02	0.00	0.00	0.00
PR4S56_S55	10YR-24HR	29.65	-0.13	-3.51	4.20	4.20	4.20
PR4S62_S63	10YR-24HR	1.15	0.00	0.02	2.59	2.81	2.70
PR4S63A_4GW8	10YR-24HR	3.42	0.00	0.00	0.00	0.00	0.00
PR4S63A_S63	10YR-24HR	0.00	-2.98	0.12	-0.43	-0.43	-0.43
PR4S63B_S63A	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
PR4S63C_4GW9	10YR-24HR	2.73	0.00	0.00	0.00	0.00	0.00
PR4S63C_S80	10YR-24HR	0.00	-0.67	0.00	-1.16	-2.49	-1.82
PR4S63D_4GW9	10YR-24HR	2.73	0.00	0.00	0.00	0.00	0.00
PR4S63D_S63C	10YR-24HR	2.21	-0.05	-0.37	0.34	-0.43	0.34
PR4S63D_S84	10YR-24HR	0.00	-3.35	0.01	-2.14	-3.86	-3.00
PR4S63E_S63D	10YR-24HR	1.98	0.00	0.00	1.46	3.32	2.39
PR4S63_4GW8	10YR-24HR	3.44	0.00	0.00	0.00	0.00	0.00
PR4S63_PND403	10YR-24HR	0.00	-0.05	0.00	-0.08	0.00	-0.04
PR4S65_PND403	10YR-24HR	0.04	-0.03	0.00	0.54	0.13	0.33
PR4S66_PND405	10YR-24HR	0.06	0.00	0.00	1.04	0.00	0.52
PR4S68_S69	10YR-24HR	0.79	0.00	0.00	1.49	2.78	2.13
PR4S79_PND401	10YR-24HR	0.74	0.00	0.03	2.75	2.78	2.75
PR4S81_PND	10YR-24HR	0.73	0.00	0.15	2.77	3.00	2.71

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
401							
PR4S83_PND 401	10YR-24HR	2.80	-3.34	0.50	2.35	3.30	2.65
PR4S84B_S63 E	10YR-24HR	2.13	0.00	-1.29	2.09	3.49	2.70
PR4S84_S83	10YR-24HR	0.66	-2.95	-0.84	0.68	1.36	0.95
PR4S85_S83	10YR-24HR	1.78	-0.73	-0.10	1.99	3.06	2.45
PR4S86_S85	10YR-24HR	1.08	-1.08	0.04	1.22	1.77	1.50
PR4S87_S86	10YR-24HR	0.67	-1.31	0.01	1.21	2.47	1.83
PR4S90_S87	10YR-24HR	0.03	-2.23	-0.10	-2.08	-3.45	-2.76
PR4S91+B_O 402	10YR-24HR	10.53	-0.04	-2.34	1.07	1.07	1.07
PR4S91_WEI R1	10YR-24HR	9.82	0.00	0.24	1.49	1.49	1.49
PR4S91_WEI R2	10YR-24HR	0.71	0.00	0.03	4.17	4.17	4.17
PR4S92_S96	10YR-24HR	1.07	0.00	0.03	1.88	2.39	2.14
PR4S93_S95	10YR-24HR	0.39	0.00	0.06	1.64	1.04	1.04
PR4S94_S92	10YR-24HR	0.54	0.00	0.00	1.94	1.80	1.63
PR4S95_S91 +A	10YR-24HR	10.45	-0.36	-7.13	0.85	0.85	0.85
PR4S96_S95	10YR-24HR	9.68	0.00	1.30	0.89	0.79	0.84
PR4S97_S96	10YR-24HR	8.49	-0.02	-0.60	0.97	0.92	0.95
PR4S98A_4G W6	10YR-24HR	0.49	0.00	0.00	0.00	0.00	0.00
PR4S98A_S98 B	10YR-24HR	7.72	0.00	0.00	2.34	4.06	3.20
PR4S98B_4G W6	10YR-24HR	0.37	0.00	0.00	0.00	0.00	0.00
PR4S98B_S97	10YR-24HR	7.72	0.00	0.71	3.42	0.88	2.15
PR4S98_S99	10YR-24HR	1.92	-0.15	1.78	0.25	0.21	0.23
PR4S99_S98A	10YR-24HR	6.73	0.00	0.01	2.68	3.50	2.93
PR5S01+2_S 63E	10YR-24HR	0.03	-0.35	0.02	0.17	-2.10	-1.13
PR5S01+A_5 GW1	10YR-24HR	0.77	0.00	0.00	0.00	0.00	0.00
PR5S01_WEI R	10YR-24HR	0.00	-0.14	0.00	0.00	0.00	0.00
PR5S02_S01 +A	10YR-24HR	0.37	0.00	0.00	1.68	1.07	1.30
PR5S03_S04 +A	10YR-24HR	0.36	0.00	-0.15	4.43	1.74	3.08
PR5S04+2_S 90	10YR-24HR	0.02	-2.11	-0.02	-0.91	-1.88	-1.12
PR5S04+A_5 GW5	10YR-24HR	1.05	0.00	0.00	0.00	0.00	0.00
PR5S04_WEI	10YR-24HR	0.00	-2.11	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R							
PR5S05_5GW1	10YR-24HR	0.77	0.00	0.00	0.00	0.00	0.00
PR5S05_5GW2	10YR-24HR	0.77	0.00	0.00	0.00	0.00	0.00
PR5S05_S01+A	10YR-24HR	0.23	0.00	0.04	0.13	0.15	0.14
PR5S06_S05	10YR-24HR	0.62	0.00	0.00	1.85	5.82	3.78
PR5S07_S08	10YR-24HR	0.62	0.00	0.15	4.99	0.88	2.66
PR5S08_5GW5	10YR-24HR	1.02	0.00	0.00	0.00	0.00	0.00
PR5S08_5GW6	10YR-24HR	1.02	0.00	0.00	0.00	0.00	0.00
PR5S08_S04+A	10YR-24HR	0.08	-1.97	0.03	-0.63	-0.64	-0.64
PR5S09_5GW2	10YR-24HR	0.78	0.00	0.00	0.00	0.00	0.00
PR5S09_5GW3	10YR-24HR	0.78	0.00	0.00	0.00	0.00	0.00
PR5S09_S05	10YR-24HR	0.86	0.00	0.08	0.31	0.31	0.31
PR5S10_S09	10YR-24HR	0.62	0.00	0.00	1.85	5.75	3.74
PR5S11_S12	10YR-24HR	0.46	0.00	0.06	2.96	0.90	1.67
PR5S12_5GW6	10YR-24HR	1.01	0.00	0.00	0.00	0.00	0.00
PR5S12_S08	10YR-24HR	0.23	-0.44	0.09	0.36	0.80	0.55
PR5S13_S14	10YR-24HR	0.55	0.00	0.00	1.81	6.17	3.99
PR5S14A_S14	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
PR5S14_S12	10YR-24HR	0.62	0.00	-0.13	0.84	0.47	0.60
PR5S14_WEIR	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
PR5S15_5GW3	10YR-24HR	0.79	0.00	0.00	0.00	0.00	0.00
PR5S15_5GW4	10YR-24HR	0.79	0.00	0.00	0.00	0.00	0.00
PR5S15_S09	10YR-24HR	1.55	0.00	-0.04	0.54	0.54	0.54
PR5S16_S15	10YR-24HR	0.94	0.00	0.00	2.02	6.79	4.37
PR5S18_5GW7	10YR-24HR	1.58	0.00	0.00	0.00	0.00	0.00
PR5S19_PR5S20A	10YR-24HR	2.59	0.00	0.13	3.40	9.32	5.96
PR5S20A_5GW7	10YR-24HR	1.59	0.00	0.00	0.00	0.00	0.00
PR5S20A_S18	10YR-24HR	1.17	0.00	0.20	0.37	0.37	0.37
PR5S20B_S20A	10YR-24HR	0.08	0.00	0.00	1.42	1.38	1.19
PR5S21A_5GW4	10YR-24HR	0.83	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR5S21A_S15	10YR-24HR	2.00	-0.01	-0.04	0.69	0.70	0.69
PR5S21B_S21A	10YR-24HR	2.00	0.00	0.01	2.18	3.47	2.83
PR5S21C_S21B	10YR-24HR	1.25	0.00	0.02	1.86	1.20	1.53
PR5S22A_S19	10YR-24HR	2.34	0.00	0.00	2.19	2.53	2.36
PR5S22_S21A	10YR-24HR	0.52	0.00	-0.01	1.63	4.62	3.12
PR5S23_S22A	10YR-24HR	2.11	0.00	0.00	2.13	1.97	2.05
PR5S24A_S23	10YR-24HR	1.92	0.00	0.00	1.85	1.93	1.89
PR5S24_S21B	10YR-24HR	6.37	0.00	0.85	4.71	8.92	6.73
PR5S25_S24A	10YR-24HR	1.71	0.00	-0.01	2.01	1.65	1.83
PR5S26_S25	10YR-24HR	1.50	0.00	-0.01	1.94	1.76	1.85
PR5S27_S21C	10YR-24HR	1.61	0.00	0.62	3.34	1.08	2.13
PR5S29_S26	10YR-24HR	1.34	0.00	0.02	1.91	1.73	1.82
PR5S30_S29	10YR-24HR	1.04	0.00	0.00	1.96	7.12	4.54
PR5S31_S27	10YR-24HR	0.48	0.00	0.01	1.57	0.95	1.25
PR5S32_S30	10YR-24HR	0.66	0.00	0.00	1.57	1.98	1.71
SWL4E1_S09	10YR-24HR	4.75	0.00	-0.08	3.23	4.59	3.91
SWL4W1_4S98A	10YR-24HR	1.36	0.00	-0.04	2.75	10.23	6.49
CH4_2+SEC1	10YR-8HR	4.54	-0.68	0.02	0.31	-0.23	0.21
CH4_2+SEC2	10YR-8HR	1.42	-2.37	0.01	0.75	2.08	1.32
CH4_2+SEC3	10YR-8HR	0.00	-3.70	0.00	-0.62	-1.59	-0.95
CH4_3+SEC2	10YR-8HR	0.55	-5.06	0.07	-0.74	-2.44	-1.56
CH4_3+SEC4	10YR-8HR	0.00	-3.82	0.02	-1.95	-3.01	-2.48
CH4_3+SEC5	10YR-8HR	0.16	-3.14	0.00	-0.79	-1.90	-1.34
CH4_4+SEC1	10YR-8HR	6.71	-1.00	-0.06	0.28	-1.33	-0.79
CH4_5+SEC2	10YR-8HR	2.60	0.00	0.00	0.62	0.92	0.77
EX4S03+B_O401	10YR-8HR	52.72	-0.26	-7.04	2.10	2.10	2.10
EX4S03_WEIR1	10YR-8HR	36.42	0.00	0.41	2.75	2.75	2.75
EX4S03_WEIR2	10YR-8HR	16.30	0.00	0.01	1.60	1.60	1.60
EX4S106_SWL4W1	10YR-8HR	1.75	0.00	-0.02	3.57	17.67	10.62
EX4S107_SWL4W1	10YR-8HR	1.64	0.00	-0.02	3.50	17.39	10.45
EX4S108_S106	10YR-8HR	0.89	0.00	0.00	1.84	1.46	1.65
EX4S109_S107	10YR-8HR	0.83	0.00	0.00	2.26	1.43	1.84
EX4S10_S08	10YR-8HR	3.29	-0.52	-0.03	3.13	4.03	3.56
EX4S11_S12A	10YR-8HR	29.71	0.00	-0.09	16.81	16.81	16.81
EX4S14_S14A	10YR-8HR	14.94	0.00	1.42	8.45	8.45	8.45
EX4S18_S17B	10YR-8HR	1.08	0.00	-0.02	3.09	1.03	1.99
EX4S21_S26	10YR-8HR	0.80	0.00	-0.02	2.84	1.38	2.11

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S22_S27	10YR-8HR	0.60	0.00	-0.02	2.64	0.77	1.70
EX4S23_S28	10YR-8HR	1.78	0.00	-0.02	3.59	2.09	2.84
EX4S24_S31	10YR-8HR	1.00	0.00	0.00	1.68	1.09	1.37
EX4S25_S33	10YR-8HR	1.23	0.00	0.00	2.15	1.88	1.86
EX4S26_SWL4E1	10YR-8HR	1.64	0.00	-0.02	3.50	16.64	10.07
EX4S27_SWL4E1	10YR-8HR	1.43	0.00	0.02	3.36	16.18	9.77
EX4S28_SWL4E1	10YR-8HR	2.87	0.00	-0.05	4.20	19.04	11.62
EX4S29_SWL4E1	10YR-8HR	6.39	0.00	-0.03	2.49	4.70	3.60
EX4S30_S29	10YR-8HR	5.97	0.00	0.00	2.53	2.70	2.62
EX4S31_S30	10YR-8HR	5.26	0.00	0.00	3.47	2.24	2.83
EX4S32_S33	10YR-8HR	1.71	-0.04	-0.02	2.48	2.46	2.41
EX4S33_S31	10YR-8HR	2.93	0.00	0.00	2.12	1.91	2.01
EX4S35_PND402	10YR-8HR	1.28	-2.39	-0.01	1.64	2.55	2.00
EX4S36_PND404	10YR-8HR	1.42	-2.98	0.09	-0.62	-1.41	-0.80
EX4S37_S38	10YR-8HR	6.37	0.00	0.00	2.03	2.03	2.03
EX4S38_S39	10YR-8HR	6.98	0.00	0.00	2.22	2.22	2.22
EX4S39_S40	10YR-8HR	9.09	0.00	-0.01	2.04	2.07	2.06
EX4S40_S41	10YR-8HR	9.52	0.00	0.00	2.16	2.21	2.18
EX4S41_S42	10YR-8HR	9.75	0.00	-0.01	2.26	2.24	2.25
EX4S42_S43A	10YR-8HR	11.57	0.00	0.01	2.78	4.18	3.23
EX4S43A_4GW1	10YR-8HR	3.16	0.00	1.90	0.00	0.00	0.00
EX4S43A_S43	10YR-8HR	8.37	0.00	0.01	1.57	3.66	2.49
EX4S43_4GW1	10YR-8HR	2.84	0.00	1.90	0.00	0.00	0.00
EX4S43_4GW2	10YR-8HR	3.21	0.00	2.15	0.00	0.00	0.00
EX4S43_S44	10YR-8HR	4.56	-0.35	0.01	1.14	2.76	1.82
EX4S44_4GW2	10YR-8HR	2.97	0.00	2.15	0.00	0.00	0.00
EX4S44_4GW3	10YR-8HR	1.26	0.00	0.91	0.00	0.00	0.00
EX4S44_S45	10YR-8HR	2.72	0.00	0.01	1.23	3.08	2.15
EX4S45_4GW3	10YR-8HR	1.02	0.00	1.01	0.00	0.00	0.00
EX4S45_4GW4	10YR-8HR	5.87	0.00	5.78	0.00	0.00	0.00
EX4S45_S46A	10YR-8HR	0.01	0.00	0.01	0.00	0.00	0.00
EX4S46A_4GW4	10YR-8HR	5.78	0.00	5.78	0.00	0.00	0.00
EX4S47_S36	10YR-8HR	0.34	0.00	0.01	2.26	2.48	2.37

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S48_PND 404	10YR-8HR	0.41	0.00	0.07	2.37	2.36	2.32
EX4S49_CH4 _2+A	10YR-8HR	6.76	-1.12	0.46	0.46	-1.17	-0.73
EX4S50_S50A	10YR-8HR	2.76	0.00	-0.02	2.40	3.26	2.83
EX4S51_S51A	10YR-8HR	0.70	-3.70	-0.17	-2.51	-4.30	-3.40
EX4S54_S53	10YR-8HR	5.33	0.00	-0.01	3.58	4.37	3.77
EX4S57_S37	10YR-8HR	5.51	0.00	0.00	3.12	3.54	3.12
EX4S58_S39	10YR-8HR	1.33	0.00	-0.02	3.29	3.91	3.60
EX4S59_S42	10YR-8HR	0.75	0.00	-0.02	2.79	3.39	3.09
EX4S60_S43	10YR-8HR	0.85	0.00	-0.02	2.89	4.12	3.50
EX4S61_S45	10YR-8HR	1.73	0.00	0.03	3.56	4.84	4.20
EX4S64_S36	10YR-8HR	2.45	0.00	-0.01	1.87	2.31	1.94
EX4S67_PND 404	10YR-8HR	5.43	0.00	0.04	1.19	2.04	1.42
EX4S69+A_S 69	10YR-8HR	0.01	-0.10	0.01	-0.17	-0.51	-0.32
EX4S69_PND 405	10YR-8HR	4.36	0.00	0.12	1.44	1.99	1.54
EX4S69_WEI R	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX4S70_S51	10YR-8HR	1.63	0.00	0.00	2.40	3.48	2.94
EX4S71_S52	10YR-8HR	6.25	0.00	-1.19	6.09	7.71	6.90
EX4S72_S53	10YR-8HR	1.91	0.00	-0.02	3.67	5.19	4.43
EX4S73_S54	10YR-8HR	1.97	0.00	0.00	2.57	3.68	3.13
EX4S74_S54	10YR-8HR	1.80	0.00	-0.02	3.60	1.77	2.68
EX4S75_PND 403	10YR-8HR	2.64	0.00	-0.02	4.08	11.04	7.56
EX4S76_PND 405	10YR-8HR	2.52	0.00	-0.02	4.02	28.81	16.42
EX4S78_S63A	10YR-8HR	1.49	0.00	-0.02	3.40	10.14	6.77
EX5S17_S18	10YR-8HR	3.57	0.00	-3.05	3.07	2.02	2.54
EX5S18_PND 501	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX5S33_S31	10YR-8HR	0.52	0.00	0.01	1.60	0.71	1.16
PND405_S67	10YR-8HR	5.53	0.00	-0.13	1.31	1.42	1.36
PR4S02_S03 +A	10YR-8HR	1.53	0.00	0.18	3.76	3.37	3.56
PR4S04_S05	10YR-8HR	2.18	0.00	0.53	4.18	4.00	3.94
PR4S05_S06	10YR-8HR	3.46	-0.26	0.69	4.21	3.68	3.80
PR4S06_S03 +A	10YR-8HR	50.89	0.00	-2.54	1.89	1.82	1.85
PR4S08_S06	10YR-8HR	42.69	0.00	-1.65	1.70	1.59	1.64
PR4S09_S08	10YR-8HR	35.21	0.00	3.59	2.40	2.08	2.24
PR4S101A_S1 01	10YR-8HR	3.94	-8.88	0.15	-2.51	-4.68	-3.60
PR4S101B_S1	10YR-8HR	3.70	-0.60	0.01	1.23	-2.28	-1.21

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
01A							
PR4S101C_S101B	10YR-8HR	3.15	0.00	0.05	3.52	1.01	2.23
PR4S101D_S101C	10YR-8HR	3.15	0.00	0.00	1.67	2.76	2.22
PR4S101E_S101D	10YR-8HR	3.15	0.00	0.00	1.43	2.32	1.60
PR4S101_4S99	10YR-8HR	18.55	0.00	-0.02	3.65	4.30	3.73
PR4S102_S101E	10YR-8HR	3.16	0.00	0.00	3.04	4.33	3.68
PR4S104_S102	10YR-8HR	2.07	0.00	-0.02	3.59	3.21	3.10
PR4S12A_4GW7	10YR-8HR	6.02	0.00	0.00	0.00	0.00	0.00
PR4S12A_S09	10YR-8HR	42.24	0.00	-0.05	3.81	5.39	4.60
PR4S12B_4GW7	10YR-8HR	7.68	0.00	0.05	0.00	0.00	0.00
PR4S12B_S12A	10YR-8HR	29.67	-1.49	3.44	4.20	4.20	4.20
PR4S12_S12A	10YR-8HR	8.55	0.00	-0.01	4.84	5.99	5.40
PR4S14A_S12B	10YR-8HR	75.26	0.00	-1.08	10.65	11.17	10.91
PR4S15_PND402	10YR-8HR	2.01	0.00	-0.02	3.73	31.22	17.48
PR4S16A_S14A	10YR-8HR	7.88	-44.95	0.59	-6.36	-8.16	-7.26
PR4S16_S16A	10YR-8HR	1.89	-2.08	-1.68	-2.41	-3.75	-3.07
PR4S17A_S17B	10YR-8HR	5.69	-0.19	0.01	1.89	2.08	1.98
PR4S17B_S17C	10YR-8HR	6.21	-0.01	0.01	2.48	1.78	2.12
PR4S17C_S16A	10YR-8HR	7.46	-2.43	0.02	1.89	-3.29	-2.42
PR4S17_S17C	10YR-8HR	3.20	-1.61	-3.08	3.50	6.79	5.14
PR4S19_S17A	10YR-8HR	2.27	0.00	-0.02	3.88	12.55	8.22
PR4S20_PND404	10YR-8HR	1.95	0.00	-0.02	3.70	25.98	14.84
PR4S52_4GW11	10YR-8HR	12.24	0.00	0.02	0.00	0.00	0.00
PR4S52_S51	10YR-8HR	0.00	-56.38	1.01	-7.98	-8.95	-8.46
PR4S53_4GW11	10YR-8HR	12.16	0.00	0.00	0.00	0.00	0.00
PR4S53_S52	10YR-8HR	0.13	-9.81	-1.07	-1.50	-1.56	-1.53
PR4S55_4GW10	10YR-8HR	2.89	0.00	0.02	0.00	0.00	0.00
PR4S55_S54	10YR-8HR	0.11	-0.83	0.01	1.02	-2.77	-1.71

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR4S56_4GW10	10YR-8HR	3.05	0.00	-0.02	0.00	0.00	0.00
PR4S56_S55	10YR-8HR	29.65	-0.30	-3.51	4.20	4.20	4.20
PR4S62_S63	10YR-8HR	4.38	0.00	0.62	3.94	3.79	3.76
PR4S63A_4GW8	10YR-8HR	10.66	0.00	0.00	0.00	0.00	0.00
PR4S63A_S63	10YR-8HR	0.00	-9.18	-0.06	-1.30	-1.44	-1.30
PR4S63B_S63A	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
PR4S63C_4GW9	10YR-8HR	3.32	0.00	0.00	0.00	0.00	0.00
PR4S63C_S80	10YR-8HR	0.00	-2.15	0.00	-1.88	-3.41	-2.65
PR4S63D_4GW9	10YR-8HR	3.33	0.00	0.00	0.00	0.00	0.00
PR4S63D_S63C	10YR-8HR	2.40	-0.06	0.12	0.83	1.87	1.25
PR4S63D_S84	10YR-8HR	0.00	-3.54	0.01	-2.19	-3.93	-3.06
PR4S63E_S63D	10YR-8HR	4.06	0.00	0.00	1.91	4.08	3.00
PR4S63_4GW8	10YR-8HR	10.90	0.00	0.00	0.00	0.00	0.00
PR4S63_PND403	10YR-8HR	0.00	-0.54	0.00	-0.40	-1.97	-1.18
PR4S65_PND403	10YR-8HR	0.11	-0.22	0.01	-0.50	-1.96	-1.20
PR4S66_PND405	10YR-8HR	0.27	0.00	0.03	2.11	2.05	2.08
PR4S68_S69	10YR-8HR	2.55	0.00	0.00	2.23	3.80	3.01
PR4S79_PND401	10YR-8HR	2.50	0.00	0.35	4.01	3.97	3.99
PR4S81_PND401	10YR-8HR	2.14	0.00	-0.82	3.81	4.44	4.01
PR4S83_PND401	10YR-8HR	8.84	-3.59	0.48	2.88	4.69	3.68
PR4S84B_S63E	10YR-8HR	6.83	0.00	-1.66	2.78	4.81	3.66
PR4S84_S83	10YR-8HR	1.89	-3.11	0.75	0.82	1.87	1.31
PR4S85_S83	10YR-8HR	5.28	-0.82	-0.16	2.56	3.16	2.61
PR4S86_S85	10YR-8HR	3.03	-1.19	0.03	1.63	1.91	1.76
PR4S87_S86	10YR-8HR	1.69	-1.42	0.01	1.63	2.73	2.08
PR4S90_S87	10YR-8HR	0.07	-2.23	0.11	-2.08	-3.45	-2.76
PR4S91+B_O402	10YR-8HR	29.33	0.00	2.12	2.99	2.99	2.99
PR4S91_WEIR1	10YR-8HR	28.59	0.00	0.16	2.13	2.13	2.13
PR4S91_WEI	10YR-8HR	0.75	0.00	0.00	4.38	4.38	4.38

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R2							
PR4S92_S96	10YR-8HR	6.55	0.00	-1.86	5.30	4.29	4.79
PR4S93_S95	10YR-8HR	1.26	0.00	0.03	2.11	2.04	1.96
PR4S94_S92	10YR-8HR	1.83	0.00	0.03	2.38	2.25	2.20
PR4S95_S91+A	10YR-8HR	28.79	-0.06	-5.83	2.29	2.29	2.29
PR4S96_S95	10YR-8HR	26.82	0.00	1.19	2.21	2.13	2.17
PR4S97_S96	10YR-8HR	22.77	0.00	0.44	2.15	2.11	2.13
PR4S98A_4GW6	10YR-8HR	3.20	0.00	0.00	0.00	0.00	0.00
PR4S98A_S98B	10YR-8HR	22.39	0.00	-0.01	3.59	6.10	4.84
PR4S98B_4GW6	10YR-8HR	2.00	0.00	0.00	0.00	0.00	0.00
PR4S98B_S97	10YR-8HR	20.40	-0.10	-0.25	4.57	1.92	3.24
PR4S98_S99	10YR-8HR	4.76	-0.10	-4.03	0.49	0.49	0.49
PR4S99_S98A	10YR-8HR	21.52	0.00	0.04	3.31	4.06	3.56
PR5S01+2_S63E	10YR-8HR	0.08	-2.77	0.01	-0.88	-2.72	-1.55
PR5S01+A_5GW1	10YR-8HR	2.73	0.00	0.00	0.00	0.00	0.00
PR5S01_WEIR	10YR-8HR	0.00	-2.77	0.00	0.00	0.00	0.00
PR5S02_S01+A	10YR-8HR	1.18	0.00	0.00	2.13	7.44	4.76
PR5S03_S04+A	10YR-8HR	1.15	0.00	0.11	4.43	12.78	7.84
PR5S04+2_S90	10YR-8HR	0.02	-2.34	-0.01	-0.98	-2.45	-1.55
PR5S04+A_5GW5	10YR-8HR	3.07	0.00	0.00	0.00	0.00	0.00
PR5S04_WEIR	10YR-8HR	0.00	-2.34	0.00	0.00	0.00	0.00
PR5S05_5GW1	10YR-8HR	2.71	0.00	0.00	0.00	0.00	0.00
PR5S05_5GW2	10YR-8HR	2.71	0.00	0.00	0.00	0.00	0.00
PR5S05_S01+A	10YR-8HR	0.06	-1.61	0.00	-0.51	-0.53	-0.52
PR5S06_S05	10YR-8HR	2.01	0.00	0.00	2.41	8.82	5.60
PR5S07_S08	10YR-8HR	1.98	0.00	-0.13	4.99	15.97	9.52
PR5S08_5GW5	10YR-8HR	2.99	0.00	0.00	0.00	0.00	0.00
PR5S08_5GW6	10YR-8HR	2.99	0.00	0.00	0.00	0.00	0.00
PR5S08_S04+A	10YR-8HR	0.09	-3.15	-0.01	-1.31	-2.33	-1.64

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR5S09_5GW2	10YR-8HR	2.72	0.00	0.00	0.00	0.00	0.00
PR5S09_5GW3	10YR-8HR	2.72	0.00	0.00	0.00	0.00	0.00
PR5S09_S05	10YR-8HR	1.21	0.00	-0.01	0.64	0.82	0.71
PR5S10_S09	10YR-8HR	2.01	0.00	0.00	2.41	8.72	5.55
PR5S11_S12	10YR-8HR	1.49	0.00	0.04	2.96	12.15	7.37
PR5S12_5GW6	10YR-8HR	2.99	0.00	0.00	0.00	0.00	0.00
PR5S12_S08	10YR-8HR	0.62	-0.32	-0.03	0.71	1.71	1.13
PR5S13_S14	10YR-8HR	1.78	0.00	0.00	2.35	8.76	5.55
PR5S14A_S14	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
PR5S14_S12	10YR-8HR	1.79	0.00	-0.04	1.37	1.53	1.18
PR5S14_WEIR	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
PR5S15_5GW3	10YR-8HR	2.84	0.00	0.00	0.00	0.00	0.00
PR5S15_5GW4	10YR-8HR	2.84	0.00	0.00	0.00	0.00	0.00
PR5S15_S09	10YR-8HR	3.88	0.00	0.00	1.36	1.68	1.50
PR5S16_S15	10YR-8HR	3.01	0.00	0.00	2.68	10.05	6.36
PR5S18_5GW7	10YR-8HR	4.90	0.00	0.00	0.00	0.00	0.00
PR5S19_PR5S20A	10YR-8HR	8.10	0.00	3.40	3.40	12.35	7.50
PR5S20A_5GW7	10YR-8HR	4.96	0.00	0.00	0.00	0.00	0.00
PR5S20A_S18	10YR-8HR	3.61	0.00	-0.04	1.15	1.15	1.15
PR5S20B_S20A	10YR-8HR	0.65	-0.21	0.06	1.90	1.54	1.34
PR5S21A_5GW4	10YR-8HR	3.11	0.00	0.00	0.00	0.00	0.00
PR5S21A_S15	10YR-8HR	5.93	0.00	0.00	1.89	1.98	1.89
PR5S21B_S21A	10YR-8HR	6.38	0.00	0.01	3.02	4.36	3.54
PR5S21C_S21B	10YR-8HR	4.00	0.00	0.02	2.53	1.59	2.06
PR5S22A_S19	10YR-8HR	7.33	0.00	-0.01	2.87	2.99	2.93
PR5S22_S21A	10YR-8HR	1.66	0.00	0.01	2.14	6.57	4.36
PR5S23_S22A	10YR-8HR	6.63	0.00	-0.01	2.70	2.60	2.65
PR5S24A_S23	10YR-8HR	6.05	0.00	-0.01	2.37	2.46	2.41
PR5S24_S21B	10YR-8HR	6.37	0.00	0.85	4.71	8.92	6.73
PR5S25_S24A	10YR-8HR	5.43	0.00	-0.01	2.39	2.12	2.25
PR5S26_S25	10YR-8HR	4.79	0.00	-0.01	2.39	2.10	2.24
PR5S27_S21C	10YR-8HR	3.12	0.00	2.01	3.76	3.97	3.02
PR5S29_S26	10YR-8HR	4.30	0.00	0.02	2.59	2.16	2.33
PR5S30_S29	10YR-8HR	3.36	0.00	0.00	2.54	10.13	6.33

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR5S31_S27	10YR-8HR	1.55	0.00	0.01	2.14	1.35	1.75
PR5S32_S30	10YR-8HR	2.12	0.00	0.00	2.13	1.99	2.03
SWL4E1_S09	10YR-8HR	14.04	0.00	-0.21	4.51	6.49	5.50
SWL4W1_4S98A	10YR-8HR	4.14	0.00	-0.04	3.81	14.48	9.14
CH4_2+SEC1	25YR-72HR	20.06	-0.06	7.91	0.56	0.32	0.44
CH4_2+SEC2	25YR-72HR	13.82	-12.14	-0.37	1.21	1.10	1.16
CH4_2+SEC3	25YR-72HR	10.67	-14.03	1.11	0.88	0.91	0.90
CH4_3+SEC2	25YR-72HR	4.01	-21.35	-1.44	-0.96	-1.13	-1.04
CH4_3+SEC4	25YR-72HR	7.69	-48.26	48.26	-2.44	-2.63	-2.13
CH4_3+SEC5	25YR-72HR	5.50	-13.77	-4.87	-0.98	-2.76	-1.77
CH4_4+SEC1	25YR-72HR	33.98	-0.11	21.04	0.44	-0.65	0.43
CH4_5+SEC2	25YR-72HR	24.28	-9.06	10.10	1.39	1.74	1.55
EX4S03+B_O401	25YR-72HR	137.29	-0.45	-7.25	5.46	5.46	5.46
EX4S03_WEIR1	25YR-72HR	58.09	0.00	0.46	2.95	2.95	2.95
EX4S03_WEIR2	25YR-72HR	79.20	0.00	0.02	2.57	2.57	2.57
EX4S106_SWL4W1	25YR-72HR	3.50	0.00	-0.05	4.52	21.72	13.12
EX4S107_SWL4W1	25YR-72HR	3.27	0.00	-0.05	4.40	21.38	12.89
EX4S108_S106	25YR-72HR	1.78	0.00	0.00	2.07	1.85	1.96
EX4S109_S107	25YR-72HR	1.66	0.00	0.00	2.37	1.80	2.08
EX4S10_S08	25YR-72HR	6.53	-0.52	0.62	5.33	5.33	5.33
EX4S11_S12A	25YR-72HR	29.71	0.00	-0.09	16.81	16.81	16.81
EX4S14_S14A	25YR-72HR	14.94	0.00	1.42	8.45	8.45	8.45
EX4S18_S17B	25YR-72HR	2.61	0.00	0.64	4.06	2.12	3.09
EX4S21_S26	25YR-72HR	1.61	0.00	0.02	3.48	1.74	2.61
EX4S22_S27	25YR-72HR	1.21	0.00	0.02	3.19	1.12	2.16
EX4S23_S28	25YR-72HR	5.11	0.00	0.79	5.30	4.16	4.73
EX4S24_S31	25YR-72HR	1.94	0.00	0.00	1.58	1.58	1.58
EX4S25_S33	25YR-72HR	2.39	0.00	0.00	1.95	1.95	1.95
EX4S26_SWL4E1	25YR-72HR	3.27	0.00	-0.05	4.40	20.45	12.42
EX4S27_SWL4E1	25YR-72HR	2.87	0.00	-0.05	4.20	19.90	12.05
EX4S28_SWL4E1	25YR-72HR	5.90	0.00	-0.05	5.47	23.49	14.22
EX4S29_SWL4E1	25YR-72HR	13.66	0.00	0.05	4.35	6.19	5.26
EX4S30_S29	25YR-72HR	12.79	0.00	0.00	4.07	4.07	4.07
EX4S31_S30	25YR-72HR	11.40	0.00	-0.01	3.71	3.63	3.63
EX4S32_S33	25YR-72HR	4.48	0.00	-0.02	3.65	3.65	3.65

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S33_S31	25YR-72HR	6.85	0.00	0.00	2.38	2.33	2.35
EX4S35_PND 402	25YR-72HR	7.82	-8.48	-0.03	1.95	1.93	1.94
EX4S36_PND 404	25YR-72HR	4.15	-3.90	-0.35	0.41	-0.30	0.31
EX4S37_S38	25YR-72HR	10.20	0.00	-0.01	3.25	3.25	3.25
EX4S38_S39	25YR-72HR	10.54	0.00	-0.01	3.35	3.35	3.35
EX4S39_S40	25YR-72HR	12.98	0.00	0.02	2.64	2.64	2.64
EX4S40_S41	25YR-72HR	13.25	0.00	0.02	2.70	2.70	2.70
EX4S41_S42	25YR-72HR	13.16	0.00	-0.02	2.68	2.68	2.68
EX4S42_S43A	25YR-72HR	16.38	0.00	-0.02	3.34	3.34	3.34
EX4S43A_4G W1	25YR-72HR	3.39	0.00	1.41	0.00	0.00	0.00
EX4S43A_S43	25YR-72HR	13.59	0.00	-0.63	1.51	1.99	1.53
EX4S43_4GW 1	25YR-72HR	3.20	0.00	1.43	0.00	0.00	0.00
EX4S43_4GW 2	25YR-72HR	3.61	0.00	1.61	0.00	0.00	0.00
EX4S43_S44	25YR-72HR	12.00	-1.08	-0.56	1.33	-1.55	1.35
EX4S44_4GW 2	25YR-72HR	3.52	0.00	-2.15	0.00	0.00	0.00
EX4S44_4GW 3	25YR-72HR	1.44	0.00	-0.91	0.00	0.00	0.00
EX4S44_S45	25YR-72HR	13.50	-3.16	-1.00	1.58	2.15	1.63
EX4S45_4GW 3	25YR-72HR	1.43	0.00	0.60	0.00	0.00	0.00
EX4S45_4GW 4	25YR-72HR	8.21	0.00	3.43	0.00	0.00	0.00
EX4S45_S46A	25YR-72HR	11.87	-4.93	-0.77	1.32	2.11	1.40
EX4S46A_4G W4	25YR-72HR	8.33	0.00	2.43	0.00	0.00	0.00
EX4S47_S36	25YR-72HR	0.69	0.00	0.07	2.77	2.88	2.73
EX4S48_PND 404	25YR-72HR	0.90	0.00	0.15	2.93	2.96	2.88
EX4S49_CH4 _2+A	25YR-72HR	25.76	-0.11	-2.01	1.05	1.05	1.05
EX4S50_S50A	25YR-72HR	5.41	0.00	0.03	3.06	4.41	3.73
EX4S51_S51A	25YR-72HR	11.20	-14.32	-0.17	-8.11	-8.22	-8.12
EX4S54_S53	25YR-72HR	8.22	-1.03	0.14	3.01	3.01	2.62
EX4S57_S37	25YR-72HR	9.65	0.00	-0.04	5.46	5.46	5.46
EX4S58_S39	25YR-72HR	2.92	0.00	0.36	4.04	4.26	4.03
EX4S59_S42	25YR-72HR	1.74	0.00	0.24	3.57	3.90	3.55
EX4S60_S43	25YR-72HR	1.72	-0.57	0.21	3.43	4.29	3.65
EX4S61_S45	25YR-72HR	3.98	-2.40	0.33	4.54	4.70	4.07
EX4S64_S36	25YR-72HR	22.40	-7.47	-2.51	3.26	3.54	3.37
EX4S67_PND 404	25YR-72HR	34.01	0.00	0.03	2.52	2.84	2.68

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX4S69+A_S69	25YR-72HR	33.30	-0.06	4.58	3.52	3.52	3.52
EX4S69_PND405	25YR-72HR	43.14	0.00	-2.51	3.14	3.62	3.35
EX4S69_WEIR	25YR-72HR	33.43	0.00	0.03	1.63	1.63	1.63
EX4S70_S51	25YR-72HR	4.28	0.00	0.01	3.48	4.05	3.48
EX4S71_S52	25YR-72HR	11.76	0.00	1.07	9.58	9.58	9.58
EX4S72_S53	25YR-72HR	5.11	0.00	-1.19	5.30	5.91	5.11
EX4S73_S54	25YR-72HR	4.63	0.00	-0.01	3.77	4.54	3.81
EX4S74_S54	25YR-72HR	4.87	0.00	0.71	5.06	3.97	4.41
EX4S75_PND403	25YR-72HR	5.28	0.00	-0.05	5.38	13.48	9.43
EX4S76_PND405	25YR-72HR	5.05	0.00	0.05	5.27	35.44	20.36
EX4S78_S63A	25YR-72HR	2.99	0.00	-0.05	4.26	12.42	8.34
EX5S17_S18	25YR-72HR	3.54	0.00	-2.78	3.04	2.00	2.52
EX5S18_PND501	25YR-72HR	9.59	-0.08	0.01	3.26	10.62	6.94
EX5S33_S31	25YR-72HR	1.15	0.00	0.01	1.82	0.81	1.31
PND405_S67	25YR-72HR	34.42	0.00	0.21	2.54	2.62	2.58
PR4S02_S03+A	25YR-72HR	2.96	0.00	0.05	2.69	2.41	2.41
PR4S04_S05	25YR-72HR	3.17	0.00	0.28	3.79	3.81	3.73
PR4S05_S06	25YR-72HR	5.42	-0.26	-1.57	4.17	3.34	3.75
PR4S06_S03+A	25YR-72HR	133.32	0.00	-4.19	4.72	4.72	4.72
PR4S08_S06	25YR-72HR	115.67	0.00	-2.50	4.09	4.09	4.09
PR4S09_S08	25YR-72HR	93.07	0.00	3.59	3.92	3.92	3.92
PR4S101A_S101	25YR-72HR	6.80	-8.88	0.12	-2.51	-4.68	-3.60
PR4S101B_S101A	25YR-72HR	6.80	-0.68	0.10	1.30	0.96	1.08
PR4S101C_S101B	25YR-72HR	7.80	0.00	-1.29	4.51	1.10	2.81
PR4S101D_S101C	25YR-72HR	6.22	0.00	0.00	2.14	4.14	3.12
PR4S101E_S101D	25YR-72HR	6.27	0.00	0.00	1.85	2.17	2.01
PR4S101_4S99	25YR-72HR	37.25	0.00	0.05	5.93	5.93	5.93
PR4S102_S101E	25YR-72HR	6.31	0.00	0.01	5.14	5.94	5.54
PR4S104_S102	25YR-72HR	4.41	0.00	0.61	4.56	3.52	4.04
PR4S12A_4GW7	25YR-72HR	6.02	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR4S12A_S09	25YR-72HR	67.55	0.00	-0.08	4.44	6.26	5.35
PR4S12B_4GW7	25YR-72HR	7.68	0.00	0.05	0.00	0.00	0.00
PR4S12B_S12A	25YR-72HR	29.67	-0.04	3.44	4.20	4.20	4.20
PR4S12_S12A	25YR-72HR	17.11	0.00	0.01	9.68	9.95	9.82
PR4S14A_S12B	25YR-72HR	75.26	0.00	-1.08	10.65	11.17	10.91
PR4S15_PND402	25YR-72HR	4.02	0.00	-0.05	4.77	38.44	21.60
PR4S16A_S14A	25YR-72HR	24.12	-44.95	0.59	-6.36	-8.16	-7.26
PR4S16_S16A	25YR-72HR	1.24	-2.08	-0.49	-2.41	-3.75	-3.07
PR4S17A_S17B	25YR-72HR	20.43	-0.02	0.12	2.89	2.89	2.89
PR4S17B_S17C	25YR-72HR	21.34	-0.01	0.03	3.03	3.02	3.02
PR4S17C_S16A	25YR-72HR	23.46	-2.43	0.02	3.32	3.32	3.32
PR4S17_S17C	25YR-72HR	4.77	-1.61	-1.14	3.89	3.89	3.89
PR4S19_S17A	25YR-72HR	4.54	0.00	0.07	5.02	15.34	10.18
PR4S20_PND404	25YR-72HR	3.91	0.00	-0.05	4.71	31.97	18.34
PR4S52_4GW11	25YR-72HR	17.66	0.00	0.02	0.00	0.00	0.00
PR4S52_S51	25YR-72HR	2.65	-56.38	-2.29	-7.98	-8.95	-8.46
PR4S53_4GW11	25YR-72HR	17.51	0.00	0.00	0.00	0.00	0.00
PR4S53_S52	25YR-72HR	0.02	-10.15	-1.07	-1.50	-1.56	-1.53
PR4S55_4GW10	25YR-72HR	3.73	0.00	0.02	0.00	0.00	0.00
PR4S55_S54	25YR-72HR	0.11	-5.57	0.01	-3.15	-4.55	-3.52
PR4S56_4GW10	25YR-72HR	3.73	0.00	-0.02	0.00	0.00	0.00
PR4S56_S55	25YR-72HR	29.65	-3.50	-3.51	4.20	4.20	4.20
PR4S62_S63	25YR-72HR	8.46	0.00	-5.01	2.64	2.51	2.43
PR4S63A_4GW8	25YR-72HR	12.50	0.00	-0.01	0.00	0.00	0.00
PR4S63A_S63	25YR-72HR	0.00	-10.81	-2.19	-1.53	-1.53	-1.53
PR4S63B_S63A	25YR-72HR	0.46	-0.70	0.36	1.14	-2.24	-1.16
PR4S63C_4GW9	25YR-72HR	9.61	0.00	0.00	0.00	0.00	0.00
PR4S63C_S80	25YR-72HR	0.00	-4.24	0.01	-2.21	-3.81	-3.00
PR4S63D_4GW9	25YR-72HR	9.67	0.00	0.00	0.00	0.00	0.00
PR4S63D_S6	25YR-72HR	6.61	-0.01	2.34	0.93	0.93	0.93

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
3C							
PR4S63D_S84	25YR-72HR	0.00	-14.23	-0.01	-4.53	-6.20	-5.31
PR4S63E_S63D	25YR-72HR	5.74	0.00	0.00	2.16	4.40	3.25
PR4S63_4GW8	25YR-72HR	12.73	0.00	0.01	0.00	0.00	0.00
PR4S63_PND403	25YR-72HR	24.53	-11.73	-1.13	3.90	4.80	4.04
PR4S65_PND403	25YR-72HR	0.13	-0.02	0.01	0.54	0.19	0.36
PR4S66_PND405	25YR-72HR	0.29	0.00	0.04	2.13	2.25	2.10
PR4S68_S69	25YR-72HR	5.12	0.00	-0.01	2.97	4.81	3.86
PR4S79_PND401	25YR-72HR	4.34	0.00	0.03	3.54	3.54	3.54
PR4S81_PND401	25YR-72HR	3.42	-0.42	-0.24	2.79	2.79	2.79
PR4S83_PND401	25YR-72HR	8.39	-12.19	0.23	-1.73	1.97	-1.73
PR4S84B_S63E	25YR-72HR	13.62	0.00	-0.53	4.34	4.34	4.34
PR4S84_S83	25YR-72HR	0.17	-11.88	-0.37	-1.68	-1.68	-1.68
PR4S85_S83	25YR-72HR	9.71	-2.85	0.22	1.68	2.15	1.66
PR4S86_S85	25YR-72HR	5.46	-4.06	-0.09	1.19	2.06	1.44
PR4S87_S86	25YR-72HR	2.99	-4.90	-0.04	-1.54	2.08	-1.64
PR4S90_S87	25YR-72HR	0.15	-6.89	0.10	-2.19	-3.45	-2.76
PR4S91+B_O402	25YR-72HR	61.65	0.00	2.49	6.28	6.28	6.28
PR4S91_WEIR1	25YR-72HR	61.09	0.00	0.24	2.43	2.43	2.43
PR4S91_WEIR2	25YR-72HR	0.75	0.00	0.00	4.39	4.39	4.39
PR4S92_S96	25YR-72HR	7.44	0.00	-5.06	5.60	4.51	5.05
PR4S93_S95	25YR-72HR	2.51	0.00	0.06	2.04	2.04	2.04
PR4S94_S92	25YR-72HR	3.41	0.00	0.07	2.78	2.78	2.78
PR4S95_S91+A	25YR-72HR	60.54	-0.48	-6.83	4.82	4.82	4.82
PR4S96_S95	25YR-72HR	56.23	0.00	1.26	4.47	4.47	4.47
PR4S97_S96	25YR-72HR	48.86	0.00	0.94	3.89	3.89	3.89
PR4S98A_4GW6	25YR-72HR	2.88	0.00	0.01	0.00	0.00	0.00
PR4S98A_S98B	25YR-72HR	45.51	0.00	0.09	6.44	6.74	6.51
PR4S98B_4GW6	25YR-72HR	1.03	0.00	0.00	0.00	0.00	0.00
PR4S98B_S97	25YR-72HR	61.40	0.00	48.49	7.95	4.89	6.42

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR4S98_S99	25YR-72HR	8.08	-0.54	5.84	0.84	0.84	0.84
PR4S99_S98A	25YR-72HR	43.23	0.00	-0.59	3.57	3.65	3.61
PR5S01+2_S63E	25YR-72HR	0.05	-8.22	0.00	-2.62	-3.45	-3.03
PR5S01+A_5GW1	25YR-72HR	6.07	0.00	0.00	0.00	0.00	0.00
PR5S01_WEIR	25YR-72HR	0.00	-8.22	0.00	-2.21	-2.21	-2.21
PR5S02_S01+A	25YR-72HR	2.29	0.00	1.04	2.23	1.29	1.52
PR5S03_S04+A	25YR-72HR	2.40	0.00	-2.26	4.43	1.36	2.28
PR5S04+2_S90	25YR-72HR	0.02	-9.22	-0.02	-2.93	-3.72	-3.32
PR5S04+A_5GW5	25YR-72HR	7.58	0.00	0.00	0.00	0.00	0.00
PR5S04_WEIR	25YR-72HR	0.00	-9.48	0.00	-2.30	-2.30	-2.30
PR5S05_5GW1	25YR-72HR	5.77	0.00	0.00	0.00	0.00	0.00
PR5S05_5GW2	25YR-72HR	5.77	0.00	0.00	0.00	0.00	0.00
PR5S05_S01+A	25YR-72HR	0.24	-5.53	0.13	-1.76	-1.76	-1.76
PR5S06_S05	25YR-72HR	3.95	0.00	-0.02	2.41	2.24	2.24
PR5S07_S08	25YR-72HR	3.90	0.00	-2.54	4.99	2.21	2.58
PR5S08_5GW5	25YR-72HR	6.81	0.00	0.00	0.00	0.00	0.00
PR5S08_5GW6	25YR-72HR	6.81	0.00	0.00	0.00	0.00	0.00
PR5S08_S04+A	25YR-72HR	0.01	-9.33	0.10	-2.97	-2.97	-2.97
PR5S09_5GW2	25YR-72HR	5.77	0.00	0.00	0.00	0.00	0.00
PR5S09_5GW3	25YR-72HR	5.77	0.00	0.00	0.00	0.00	0.00
PR5S09_S05	25YR-72HR	1.28	-0.31	0.08	0.41	0.41	0.41
PR5S10_S09	25YR-72HR	3.95	0.00	-0.02	2.41	2.24	2.24
PR5S11_S12	25YR-72HR	3.00	0.00	-2.36	2.96	1.70	2.26
PR5S12_5GW6	25YR-72HR	6.81	0.00	0.00	0.00	0.00	0.00
PR5S12_S08	25YR-72HR	0.16	-2.31	0.18	-0.74	-0.74	-0.74
PR5S13_S14	25YR-72HR	3.50	0.00	-2.12	2.61	7.46	4.77
PR5S14A_S14	25YR-72HR	0.19	-2.41	0.12	-0.77	-3.51	-2.14
PR5S14_S12	25YR-72HR	3.47	-0.65	0.57	0.71	0.71	0.71
PR5S14_WEIR	25YR-72HR	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR5S15_5GW3	25YR-72HR	6.12	0.00	0.00	0.00	0.00	0.00
PR5S15_5GW4	25YR-72HR	6.12	0.00	0.00	0.00	0.00	0.00
PR5S15_S09	25YR-72HR	5.96	0.00	0.09	1.90	1.90	1.90
PR5S16_S15	25YR-72HR	5.95	0.00	-0.01	3.37	3.37	3.37
PR5S18_5GW7	25YR-72HR	4.80	0.00	0.00	0.00	0.00	0.00
PR5S19_PR5S20A	25YR-72HR	15.87	0.00	-6.37	3.53	3.23	3.23
PR5S20A_5GW7	25YR-72HR	5.41	0.00	0.00	0.00	0.00	0.00
PR5S20A_S18	25YR-72HR	11.75	-0.02	-0.15	3.74	3.74	3.74
PR5S20B_S20A	25YR-72HR	0.63	-0.84	0.03	1.70	-1.23	0.90
PR5S21A_5GW4	25YR-72HR	7.26	0.00	0.00	0.00	0.00	0.00
PR5S21A_S15	25YR-72HR	10.76	0.00	-0.08	3.42	3.42	3.42
PR5S21B_S21A	25YR-72HR	12.62	0.00	-0.01	4.02	4.42	4.02
PR5S21C_S21B	25YR-72HR	7.88	0.00	-0.02	2.88	1.77	2.28
PR5S22A_S19	25YR-72HR	14.34	0.00	-0.07	2.92	2.92	2.92
PR5S22_S21A	25YR-72HR	4.74	0.00	-3.85	2.98	1.51	2.24
PR5S23_S22A	25YR-72HR	12.93	0.00	0.01	2.63	2.63	2.63
PR5S24A_S23	25YR-72HR	11.73	0.00	-0.01	2.39	2.39	2.39
PR5S24_S21B	25YR-72HR	6.37	0.00	0.85	4.71	8.92	6.73
PR5S25_S24A	25YR-72HR	10.47	0.00	-0.01	2.42	2.15	2.29
PR5S26_S25	25YR-72HR	9.16	0.00	-0.02	2.52	2.28	2.40
PR5S27_S21C	25YR-72HR	5.98	0.00	1.52	3.53	3.38	3.38
PR5S29_S26	25YR-72HR	8.18	0.00	0.28	2.85	2.37	2.47
PR5S30_S29	25YR-72HR	11.10	0.00	-9.77	3.80	11.30	7.03
PR5S31_S27	25YR-72HR	3.09	0.00	-0.01	2.40	1.75	1.97
PR5S32_S30	25YR-72HR	4.04	0.00	0.02	2.48	2.09	2.27
SWL4E1_S09	25YR-72HR	27.56	0.00	0.21	5.78	7.93	6.86
SWL4W1_4S98A	25YR-72HR	14.90	0.00	7.82	5.99	15.51	9.79

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
4GW1	100YR-1HR	29673	0	29673
4GW1	100YR-24HR	157955	0	157955
4GW1	100YR-8HR	76356	0	76356
4GW1	10YR-1HR	21927	0	21927
4GW1	10YR-24HR	115886	0	115886
4GW1	10YR-8HR	73350	0	73350
4GW1	25YR-72HR	178322	0	178322

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
4GW10	100YR-1HR	14180	0	14180
4GW10	100YR-24HR	17653	0	17653
4GW10	100YR-8HR	31365	0	31365
4GW10	10YR-1HR	6419	0	6419
4GW10	10YR-24HR	10575	0	10575
4GW10	10YR-8HR	10812	0	10812
4GW10	25YR-72HR	40796	0	40796

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
4GW11	100YR-1HR	127128	0	127128
4GW11	100YR-24HR	521161	0	521161
4GW11	100YR-8HR	323718	0	323718
4GW11	10YR-1HR	71592	0	71592
4GW11	10YR-24HR	292742	0	292742
4GW11	10YR-8HR	202958	0	202958
4GW11	25YR-72HR	464928	0	464928

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
4GW2	100YR-1HR	26777	0	26777
4GW2	100YR-24HR	120505	0	120505
4GW2	100YR-8HR	71177	0	71177
4GW2	10YR-1HR	17103	0	17103
4GW2	10YR-24HR	70775	0	70775
4GW2	10YR-8HR	49853	0	49853

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
4GW2	25YR-72HR	131362	0	131362

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
4GW3	100YR-1HR	10987	0	10987
4GW3	100YR-24HR	44252	0	44252
4GW3	100YR-8HR	28153	0	28153
4GW3	10YR-1HR	6599	0	6599
4GW3	10YR-24HR	27796	0	27796
4GW3	10YR-8HR	19533	0	19533
4GW3	25YR-72HR	58237	0	58237

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
4GW4	100YR-1HR	78384	0	78384
4GW4	100YR-24HR	250987	0	250987
4GW4	100YR-8HR	169576	0	169576
4GW4	10YR-1HR	37592	0	37592
4GW4	10YR-24HR	168006	0	168006
4GW4	10YR-8HR	117453	0	117453
4GW4	25YR-72HR	334515	0	334515

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
4GW6	100YR-1HR	32492	0	32492
4GW6	100YR-24HR	33937	0	33937
4GW6	100YR-8HR	21279	0	21279
4GW6	10YR-1HR	23577	0	23577
4GW6	10YR-24HR	16751	0	16751
4GW6	10YR-8HR	68870	0	68870
4GW6	25YR-72HR	9612	0	9612

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
4GW7	100YR-1HR	104760	0	104760
4GW7	100YR-24HR	315312	0	315312
4GW7	100YR-8HR	143961	0	143961
4GW7	10YR-1HR	79586	0	79586
4GW7	10YR-24HR	241622	0	241622
4GW7	10YR-8HR	195760	0	195760
4GW7	25YR-72HR	129214	0	129214

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
4GW8	100YR-1HR	87270	0	87270
4GW8	100YR-24HR	366686	0	366686
4GW8	100YR-8HR	238082	0	238082
4GW8	10YR-1HR	59113	0	59113
4GW8	10YR-24HR	217011	0	217011
4GW8	10YR-8HR	155551	0	155551
4GW8	25YR-72HR	349944	0	349944

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
4GW9	100YR-1HR	50099	0	50099
4GW9	100YR-24HR	352582	0	352582
4GW9	100YR-8HR	178524	0	178524
4GW9	10YR-1HR	30191	0	30191
4GW9	10YR-24HR	210371	0	210371
4GW9	10YR-8HR	117313	0	117313
4GW9	25YR-72HR	303354	0	303354

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
5GW1	100YR-1HR	29969	0	29969
5GW1	100YR-24HR	80903	0	80903
5GW1	100YR-8HR	60204	0	60204
5GW1	10YR-1HR	19165	0	19165
5GW1	10YR-24HR	50199	0	50199
5GW1	10YR-8HR	36275	0	36275
5GW1	25YR-72HR	82497	0	82497

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
5GW2	100YR-1HR	29664	0	29664
5GW2	100YR-24HR	81727	0	81727
5GW2	100YR-8HR	60208	0	60208
5GW2	10YR-1HR	19184	0	19184
5GW2	10YR-24HR	50839	0	50839
5GW2	10YR-8HR	37199	0	37199
5GW2	25YR-72HR	82944	0	82944

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
5GW3	100YR-1HR	31333	0	31333
5GW3	100YR-24HR	84245	0	84245
5GW3	100YR-8HR	61642	0	61642
5GW3	10YR-1HR	20281	0	20281
5GW3	10YR-24HR	52397	0	52397
5GW3	10YR-8HR	42124	0	42124
5GW3	25YR-72HR	85365	0	85365

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
5GW4	100YR-1HR	36550	0	36550
5GW4	100YR-24HR	89027	0	89027
5GW4	100YR-8HR	65821	0	65821
5GW4	10YR-1HR	23191	0	23191
5GW4	10YR-24HR	55184	0	55184
5GW4	10YR-8HR	51825	0	51825
5GW4	25YR-72HR	90776	0	90776

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
5GW5	100YR-1HR	32329	0	32329
5GW5	100YR-24HR	152291	0	152291
5GW5	100YR-8HR	89142	0	89142
5GW5	10YR-1HR	19656	0	19656
5GW5	10YR-24HR	80589	0	80589
5GW5	10YR-8HR	55421	0	55421

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
5GW5	25YR-72HR	127193	0	127193

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
5GW6	100YR-1HR	31867	0	31867
5GW6	100YR-24HR	149776	0	149776
5GW6	100YR-8HR	86989	0	86989
5GW6	10YR-1HR	19757	0	19757
5GW6	10YR-24HR	80235	0	80235
5GW6	10YR-8HR	51901	0	51901
5GW6	25YR-72HR	124098	0	124098

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
5GW7	100YR-1HR	46709	0	46709
5GW7	100YR-24HR	170507	0	170507
5GW7	100YR-8HR	109961	0	109961
5GW7	10YR-1HR	37164	0	37164
5GW7	10YR-24HR	110320	0	110320
5GW7	10YR-8HR	83276	0	83276
5GW7	25YR-72HR	152768	0	152768

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH4_2+A	100YR-1HR	86392	85299	1094
CH4_2+A	100YR-24HR	273046	271936	1109
CH4_2+A	100YR-8HR	187331	186281	1050
CH4_2+A	10YR-1HR	48044	47091	953
CH4_2+A	10YR-24HR	163678	162596	1082
CH4_2+A	10YR-8HR	103269	102236	1034
CH4_2+A	25YR-72HR	340486	339603	882

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S03+A	100YR-1HR	286119	286115	4
EX4S03+A	100YR-24HR	1017351	1017355	-4
EX4S03+A	100YR-8HR	734803	734795	7
EX4S03+A	10YR-1HR	160673	160669	4
EX4S03+A	10YR-24HR	573510	573504	6
EX4S03+A	10YR-8HR	367134	367134	1
EX4S03+A	25YR-72HR	1222772	1222789	-17

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S03+B	100YR-1HR	286114	286130	-16
EX4S03+B	100YR-24HR	1017354	1017633	-279
EX4S03+B	100YR-8HR	734793	735019	-226
EX4S03+B	10YR-1HR	160706	160762	-56
EX4S03+B	10YR-24HR	573502	573989	-488
EX4S03+B	10YR-8HR	367133	367356	-224
EX4S03+B	25YR-72HR	1222794	1223592	-798

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S106	100YR-1HR	10756	10767	-11
EX4S106	100YR-24HR	29191	29202	-11
EX4S106	100YR-8HR	20701	20712	-11
EX4S106	10YR-1HR	7335	7346	-11
EX4S106	10YR-24HR	19109	19120	-11
EX4S106	10YR-8HR	14511	14523	-11
EX4S106	25YR-72HR	28218	28230	-11

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S107	100YR-1HR	10050	10073	-23
EX4S107	100YR-24HR	27277	27300	-23
EX4S107	100YR-8HR	19343	19366	-23
EX4S107	10YR-1HR	6854	6876	-23
EX4S107	10YR-24HR	17856	17878	-23
EX4S107	10YR-8HR	13560	13583	-23
EX4S107	25YR-72HR	26368	26390	-23

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S108	100YR-1HR	5466	5466	0
EX4S108	100YR-24HR	14835	14835	0
EX4S108	100YR-8HR	10520	10520	0
EX4S108	10YR-1HR	3728	3728	0
EX4S108	10YR-24HR	9711	9711	0
EX4S108	10YR-8HR	7375	7375	0
EX4S108	25YR-72HR	14340	14340	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S109	100YR-1HR	5113	5113	0
EX4S109	100YR-24HR	13878	13878	0
EX4S109	100YR-8HR	9841	9841	0
EX4S109	10YR-1HR	3487	3487	0
EX4S109	10YR-24HR	9085	9085	0
EX4S109	10YR-8HR	6899	6899	0
EX4S109	25YR-72HR	13415	13415	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S11	100YR-1HR	12925	13608	-683
EX4S11	100YR-24HR	64472	65155	-683
EX4S11	100YR-8HR	39114	39797	-683
EX4S11	10YR-1HR	5907	6590	-683
EX4S11	10YR-24HR	34550	35233	-683
EX4S11	10YR-8HR	22085	22768	-683
EX4S11	25YR-72HR	61484	62167	-683

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S14	100YR-1HR	8640	9244	-604
EX4S14	100YR-24HR	23449	24053	-604
EX4S14	100YR-8HR	16628	17233	-604
EX4S14	10YR-1HR	5892	6496	-604
EX4S14	10YR-24HR	15350	15954	-604
EX4S14	10YR-8HR	11657	12261	-604

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S14	25YR-72HR	22667	23271	-604

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S18	100YR-1HR	6362	6362	0
EX4S18	100YR-24HR	17824	17824	0
EX4S18	100YR-8HR	12540	12540	0
EX4S18	10YR-1HR	4245	4245	0
EX4S18	10YR-24HR	11550	11550	0
EX4S18	10YR-8HR	8693	8693	0
EX4S18	25YR-72HR	17219	17219	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S21	100YR-1HR	4937	4937	0
EX4S21	100YR-24HR	13399	13399	0
EX4S21	100YR-8HR	9502	9502	0
EX4S21	10YR-1HR	3367	3367	0
EX4S21	10YR-24HR	8771	8771	0
EX4S21	10YR-8HR	6661	6661	0
EX4S21	25YR-72HR	12953	12953	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S22	100YR-1HR	3703	3511	192
EX4S22	100YR-24HR	10049	9857	192
EX4S22	100YR-8HR	7126	6934	192
EX4S22	10YR-1HR	2525	2333	192
EX4S22	10YR-24HR	6578	6386	192
EX4S22	10YR-8HR	4996	4804	192
EX4S22	25YR-72HR	9714	9522	192

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S23	100YR-1HR	10932	10932	0
EX4S23	100YR-24HR	29670	29670	0
EX4S23	100YR-8HR	21040	21040	0
EX4S23	10YR-1HR	7455	7455	0
EX4S23	10YR-24HR	19422	19422	0
EX4S23	10YR-8HR	14749	14749	0
EX4S23	25YR-72HR	28681	28681	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S24	100YR-1HR	6171	6171	0
EX4S24	100YR-24HR	16749	16749	0
EX4S24	100YR-8HR	11877	11877	0
EX4S24	10YR-1HR	4209	4209	0
EX4S24	10YR-24HR	10964	10964	0
EX4S24	10YR-8HR	8326	8326	0
EX4S24	25YR-72HR	16191	16191	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S25	100YR-1HR	7582	7581	1
EX4S25	100YR-24HR	20577	20577	0
EX4S25	100YR-8HR	14592	14592	0
EX4S25	10YR-1HR	5170	5170	1
EX4S25	10YR-24HR	13470	13470	0
EX4S25	10YR-8HR	10229	10229	0
EX4S25	25YR-72HR	19892	19892	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S26	100YR-1HR	10050	10050	0
EX4S26	100YR-24HR	27277	27277	0
EX4S26	100YR-8HR	19343	19343	0
EX4S26	10YR-1HR	6854	6854	0
EX4S26	10YR-24HR	17856	17856	0
EX4S26	10YR-8HR	13560	13560	0
EX4S26	25YR-72HR	26368	26368	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S27	100YR-1HR	8624	8602	23
EX4S27	100YR-24HR	23735	23712	23
EX4S27	100YR-8HR	16776	16753	23
EX4S27	10YR-1HR	5820	5798	23
EX4S27	10YR-24HR	15471	15448	23
EX4S27	10YR-8HR	11703	11680	23
EX4S27	25YR-72HR	22938	22915	23

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S28	100YR-1HR	17632	17632	0
EX4S28	100YR-24HR	47854	47854	0
EX4S28	100YR-8HR	33935	33935	0
EX4S28	10YR-1HR	12024	12024	0
EX4S28	10YR-24HR	31326	31326	0
EX4S28	10YR-8HR	23789	23789	0
EX4S28	25YR-72HR	46259	46259	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S29	100YR-1HR	35804	35797	7
EX4S29	100YR-24HR	109873	109873	1
EX4S29	100YR-8HR	75153	75151	2
EX4S29	10YR-1HR	23056	23049	7
EX4S29	10YR-24HR	68726	68726	0
EX4S29	10YR-8HR	50393	50392	2
EX4S29	25YR-72HR	105868	105869	-1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S30	100YR-1HR	33168	33159	9
EX4S30	100YR-24HR	102697	102695	2
EX4S30	100YR-8HR	70065	70062	2
EX4S30	10YR-1HR	21260	21252	8
EX4S30	10YR-24HR	64029	64027	2
EX4S30	10YR-8HR	46828	46825	3

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S30	25YR-72HR	98931	98929	2

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S31	100YR-1HR	28752	28760	-8
EX4S31	100YR-24HR	90731	90734	-2
EX4S31	100YR-8HR	61577	61581	-3
EX4S31	10YR-1HR	18247	18255	-8
EX4S31	10YR-24HR	56195	56197	-2
EX4S31	10YR-8HR	40877	40880	-4
EX4S31	25YR-72HR	87366	87366	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S32	100YR-1HR	6792	6826	-34
EX4S32	100YR-24HR	30959	30993	-33
EX4S32	100YR-8HR	19218	19251	-33
EX4S32	10YR-1HR	3298	3331	-34
EX4S32	10YR-24HR	17079	17113	-33
EX4S32	10YR-8HR	11196	11230	-33
EX4S32	25YR-72HR	29572	29606	-34

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S33	100YR-1HR	14407	14342	66
EX4S33	100YR-24HR	51570	51510	60
EX4S33	100YR-8HR	33844	33783	61
EX4S33	10YR-1HR	8502	8436	66
EX4S33	10YR-24HR	30583	30523	59
EX4S33	10YR-8HR	21459	21398	61
EX4S33	25YR-72HR	49498	49441	57

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S35	100YR-1HR	26406	26348	59
EX4S35	100YR-24HR	67152	67147	5
EX4S35	100YR-8HR	71647	71607	40
EX4S35	10YR-1HR	6060	6027	34
EX4S35	10YR-24HR	23129	23126	4
EX4S35	10YR-8HR	26484	26461	23
EX4S35	25YR-72HR	80307	80289	18

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S36	100YR-1HR	43047	42807	240
EX4S36	100YR-24HR	77048	76904	143
EX4S36	100YR-8HR	75670	75483	187
EX4S36	10YR-1HR	22403	22189	215
EX4S36	10YR-24HR	56771	56646	125
EX4S36	10YR-8HR	38162	37973	189
EX4S36	25YR-72HR	115984	115923	60

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S37	100YR-1HR	27368	27368	0
EX4S37	100YR-24HR	113922	113922	0
EX4S37	100YR-8HR	72196	72195	0
EX4S37	10YR-1HR	14345	14346	-1
EX4S37	10YR-24HR	64619	64619	0
EX4S37	10YR-8HR	43457	43458	-1
EX4S37	25YR-72HR	109058	109055	3

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S38	100YR-1HR	30713	30711	2
EX4S38	100YR-24HR	124129	124129	0
EX4S38	100YR-8HR	79224	79223	1
EX4S38	10YR-1HR	16455	16452	2
EX4S38	10YR-24HR	71055	71054	0
EX4S38	10YR-8HR	48185	48185	0
EX4S38	25YR-72HR	118897	118898	-1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S39	100YR-1HR	41349	41326	23
EX4S39	100YR-24HR	159329	159327	2
EX4S39	100YR-8HR	102958	102949	9
EX4S39	10YR-1HR	22829	22814	15
EX4S39	10YR-24HR	92659	92658	1
EX4S39	10YR-8HR	63694	63692	3
EX4S39	25YR-72HR	152778	152765	13

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S40	100YR-1HR	43783	43782	1
EX4S40	100YR-24HR	167114	167113	2
EX4S40	100YR-8HR	108260	108256	5
EX4S40	10YR-1HR	24324	24320	5
EX4S40	10YR-24HR	97507	97506	1
EX4S40	10YR-8HR	67215	67213	3
EX4S40	25YR-72HR	160268	160267	1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S41	100YR-1HR	45369	45376	-7
EX4S41	100YR-24HR	171420	171419	1
EX4S41	100YR-8HR	111310	111312	-2
EX4S41	10YR-1HR	25402	25403	-1
EX4S41	10YR-24HR	100325	100324	1
EX4S41	10YR-8HR	69354	69353	0
EX4S41	25YR-72HR	164430	164434	-4

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S42	100YR-1HR	54058	53983	75
EX4S42	100YR-24HR	203461	203432	29
EX4S42	100YR-8HR	132221	132178	42
EX4S42	10YR-1HR	30344	30297	48
EX4S42	10YR-24HR	119197	119172	25
EX4S42	10YR-8HR	82488	82466	22

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S42	25YR-72HR	195182	195130	53

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S43	100YR-1HR	49303	50875	-1572
EX4S43	100YR-24HR	150987	164281	-13294
EX4S43	100YR-8HR	117030	119371	-2341
EX4S43	10YR-1HR	24595	26307	-1712
EX4S43	10YR-24HR	70962	86490	-15528
EX4S43	10YR-8HR	53397	65261	-11864
EX4S43	25YR-72HR	145206	187256	-42050

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S43A	100YR-1HR	53983	55433	-1450
EX4S43A	100YR-24HR	203435	207294	-3859
EX4S43A	100YR-8HR	132179	133291	-1112
EX4S43A	10YR-1HR	30297	31754	-1458
EX4S43A	10YR-24HR	119177	124263	-5086
EX4S43A	10YR-8HR	82468	84994	-2525
EX4S43A	25YR-72HR	195145	220209	-25064

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S44	100YR-1HR	34718	35517	-800
EX4S44	100YR-24HR	76737	84302	-7566
EX4S44	100YR-8HR	75249	76866	-1617
EX4S44	10YR-1HR	13803	14730	-928
EX4S44	10YR-24HR	28569	38287	-9718
EX4S44	10YR-8HR	28366	34718	-6353
EX4S44	25YR-72HR	95193	117329	-22136

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S45	100YR-1HR	39991	45063	-5071
EX4S45	100YR-24HR	88715	151555	-62840
EX4S45	100YR-8HR	99395	111996	-12600
EX4S45	10YR-1HR	16280	23309	-7029
EX4S45	10YR-24HR	45421	109750	-64329
EX4S45	10YR-8HR	36285	70676	-34391
EX4S45	25YR-72HR	127960	243189	-115230

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S46	100YR-1HR	30831	30359	471
EX4S46	100YR-24HR	85722	85243	479
EX4S46	100YR-8HR	81319	80847	472
EX4S46	10YR-1HR	8540	8068	472
EX4S46	10YR-24HR	34395	33916	479
EX4S46	10YR-8HR	33753	33280	473
EX4S46	25YR-72HR	91320	89985	1335

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S46A	100YR-1HR	36873	46942	-10069
EX4S46A	100YR-24HR	85060	123311	-38251
EX4S46A	100YR-8HR	95392	106486	-11094
EX4S46A	10YR-1HR	7724	18007	-10283
EX4S46A	10YR-24HR	33558	74622	-41064
EX4S46A	10YR-8HR	32700	57302	-24602
EX4S46A	25YR-72HR	100143	165549	-65406

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S47	100YR-1HR	2116	1501	615
EX4S47	100YR-24HR	5743	5128	615
EX4S47	100YR-8HR	4072	3458	615
EX4S47	10YR-1HR	1443	828	615
EX4S47	10YR-24HR	3759	3144	615
EX4S47	10YR-8HR	2855	2240	615
EX4S47	25YR-72HR	5551	4936	615

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S48	100YR-1HR	2469	1867	601
EX4S48	100YR-24HR	6700	6098	601
EX4S48	100YR-8HR	4751	4150	601
EX4S48	10YR-1HR	1683	1082	601
EX4S48	10YR-24HR	4386	3784	601
EX4S48	10YR-8HR	3331	2729	601
EX4S48	25YR-72HR	6476	5875	601

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S49	100YR-1HR	75251	74875	376
EX4S49	100YR-24HR	268542	268004	538
EX4S49	100YR-8HR	177990	177440	550
EX4S49	10YR-1HR	42137	41655	481
EX4S49	10YR-24HR	159015	158511	504
EX4S49	10YR-8HR	97328	96794	534
EX4S49	25YR-72HR	315737	315134	603

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S50	100YR-1HR	17103	16649	454
EX4S50	100YR-24HR	46419	45959	459
EX4S50	100YR-8HR	32917	32461	456
EX4S50	10YR-1HR	11664	11209	454
EX4S50	10YR-24HR	30386	29928	458
EX4S50	10YR-8HR	23076	22620	456
EX4S50	25YR-72HR	44872	44417	454

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S50A	100YR-1HR	40523	40548	-25
EX4S50A	100YR-24HR	113166	113158	8
EX4S50A	100YR-8HR	88756	88751	5
EX4S50A	10YR-1HR	18684	18666	18
EX4S50A	10YR-24HR	59022	59013	9
EX4S50A	10YR-8HR	47204	47204	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S50A	25YR-72HR	131040	131064	-24

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S51	100YR-1HR	45284	46113	-828
EX4S51	100YR-24HR	176199	176932	-733
EX4S51	100YR-8HR	121418	122002	-584
EX4S51	10YR-1HR	20982	21812	-830
EX4S51	10YR-24HR	91419	92152	-733
EX4S51	10YR-8HR	65955	66785	-829
EX4S51	25YR-72HR	173304	174131	-827

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S51A	100YR-1HR	31652	31660	-9
EX4S51A	100YR-24HR	107784	107774	9
EX4S51A	100YR-8HR	78809	78829	-20
EX4S51A	10YR-1HR	13229	13219	10
EX4S51A	10YR-24HR	53474	53465	9
EX4S51A	10YR-8HR	40920	40912	8
EX4S51A	25YR-72HR	119725	119751	-26

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S54	100YR-1HR	30177	29846	331
EX4S54	100YR-24HR	104289	104266	23
EX4S54	100YR-8HR	68936	68853	83
EX4S54	10YR-1HR	18278	18153	125
EX4S54	10YR-24HR	62482	62486	-4
EX4S54	10YR-8HR	44293	44231	62
EX4S54	25YR-72HR	101389	101305	84

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S57	100YR-1HR	22289	22290	-2
EX4S57	100YR-24HR	99504	99504	0
EX4S57	100YR-8HR	62084	62085	-1
EX4S57	10YR-1HR	10988	10988	0
EX4S57	10YR-24HR	55316	55316	0
EX4S57	10YR-8HR	36482	36482	0
EX4S57	25YR-72HR	95131	95134	-3

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S58	100YR-1HR	6298	6298	0
EX4S58	100YR-24HR	21913	21913	0
EX4S58	100YR-8HR	14592	14592	0
EX4S58	10YR-1HR	3646	3646	0
EX4S58	10YR-24HR	13236	13236	0
EX4S58	10YR-8HR	9367	9367	0
EX4S58	25YR-72HR	21069	21069	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S59	100YR-1HR	3694	3694	0
EX4S59	100YR-24HR	12201	12201	0
EX4S59	100YR-8HR	8234	8234	0
EX4S59	10YR-1HR	2212	2212	0
EX4S59	10YR-24HR	7497	7497	0
EX4S59	10YR-8HR	5385	5385	0
EX4S59	25YR-72HR	11744	11744	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S60	100YR-1HR	4387	4387	0
EX4S60	100YR-24HR	14126	14126	0
EX4S60	100YR-8HR	9596	9597	-1
EX4S60	10YR-1HR	2670	2670	0
EX4S60	10YR-24HR	8752	8752	0
EX4S60	10YR-8HR	6332	6332	0
EX4S60	25YR-72HR	13837	13840	-2

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S61	100YR-1HR	9244	9244	0
EX4S61	100YR-24HR	29884	29884	0
EX4S61	100YR-8HR	20280	20279	0
EX4S61	10YR-1HR	5612	5612	0
EX4S61	10YR-24HR	18491	18491	0
EX4S61	10YR-8HR	13362	13362	0
EX4S61	25YR-72HR	31665	31670	-5

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S64	100YR-1HR	28100	27944	157
EX4S64	100YR-24HR	49989	49973	16
EX4S64	100YR-8HR	43373	43336	37
EX4S64	10YR-1HR	7172	7129	43
EX4S64	10YR-24HR	30455	30439	15
EX4S64	10YR-8HR	18086	18072	14
EX4S64	25YR-72HR	82501	82480	21

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S67	100YR-1HR	35217	35176	41
EX4S67	100YR-24HR	160306	160293	13
EX4S67	100YR-8HR	129877	129855	22
EX4S67	10YR-1HR	19272	19229	43
EX4S67	10YR-24HR	79805	79794	11
EX4S67	10YR-8HR	54567	54549	19
EX4S67	25YR-72HR	211395	211377	18

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S69	100YR-1HR	21662	21576	86
EX4S69	100YR-24HR	103198	103111	88
EX4S69	100YR-8HR	93631	93573	58
EX4S69	10YR-1HR	12608	12534	74
EX4S69	10YR-24HR	47220	47204	16
EX4S69	10YR-8HR	32660	32635	25

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S69	25YR-72HR	156498	156436	62

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S69+A	100YR-1HR	160	160	0
EX4S69+A	100YR-24HR	21605	21673	-69
EX4S69+A	100YR-8HR	41243	41271	-27
EX4S69+A	10YR-1HR	82	82	0
EX4S69+A	10YR-24HR	72	72	0
EX4S69+A	10YR-8HR	112	112	0
EX4S69+A	25YR-72HR	78426	78450	-24

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S70	100YR-1HR	6678	6677	1
EX4S70	100YR-24HR	29745	29744	0
EX4S70	100YR-8HR	18510	18509	1
EX4S70	10YR-1HR	3355	3355	0
EX4S70	10YR-24HR	16487	16487	0
EX4S70	10YR-8HR	10878	10878	0
EX4S70	25YR-72HR	28428	28427	1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S71	100YR-1HR	22669	22669	0
EX4S71	100YR-24HR	98195	98195	0
EX4S71	100YR-8HR	61603	61611	-7
EX4S71	10YR-1HR	11557	11582	-26
EX4S71	10YR-24HR	54986	54986	0
EX4S71	10YR-8HR	36567	36591	-24
EX4S71	25YR-72HR	93918	93920	-2

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S72	100YR-1HR	10836	10836	0
EX4S72	100YR-24HR	43570	43570	0
EX4S72	100YR-8HR	27850	27850	0
EX4S72	10YR-1HR	5814	5814	0
EX4S72	10YR-24HR	24989	24989	0
EX4S72	10YR-8HR	16971	16971	0
EX4S72	25YR-72HR	41739	41743	-4

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S73	100YR-1HR	9205	9204	1
EX4S73	100YR-24HR	34068	34068	0
EX4S73	100YR-8HR	22213	22208	5
EX4S73	10YR-1HR	5246	5246	0
EX4S73	10YR-24HR	20045	20045	0
EX4S73	10YR-8HR	13937	13937	0
EX4S73	25YR-72HR	32691	32681	10

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S74	100YR-1HR	7572	7572	0
EX4S74	100YR-24HR	33852	33852	0
EX4S74	100YR-8HR	20936	20936	0
EX4S74	10YR-1HR	3893	3893	0
EX4S74	10YR-24HR	18629	18629	0
EX4S74	10YR-8HR	12276	12276	0
EX4S74	25YR-72HR	32331	32331	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S75	100YR-1HR	16222	16222	0
EX4S75	100YR-24HR	44026	44026	0
EX4S75	100YR-8HR	31221	31221	0
EX4S75	10YR-1HR	11062	11062	0
EX4S75	10YR-24HR	28820	28820	0
EX4S75	10YR-8HR	21886	21886	0
EX4S75	25YR-72HR	42559	42559	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S76	100YR-1HR	15517	15517	0
EX4S76	100YR-24HR	42112	42112	0
EX4S76	100YR-8HR	29863	29863	0
EX4S76	10YR-1HR	10581	10581	0
EX4S76	10YR-24HR	27567	27567	0
EX4S76	10YR-8HR	20935	20935	0
EX4S76	25YR-72HR	40708	40708	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX4S78	100YR-1HR	9169	9169	0
EX4S78	100YR-24HR	24884	24884	0
EX4S78	100YR-8HR	17646	17646	0
EX4S78	10YR-1HR	6253	6253	0
EX4S78	10YR-24HR	16290	16290	0
EX4S78	10YR-8HR	12370	12370	0
EX4S78	25YR-72HR	24055	24055	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S17	100YR-1HR	7758	7759	-1
EX5S17	100YR-24HR	21056	21056	0
EX5S17	100YR-8HR	14932	14931	0
EX5S17	10YR-1HR	5291	5291	-1
EX5S17	10YR-24HR	13783	13783	0
EX5S17	10YR-8HR	10467	10473	-6
EX5S17	25YR-72HR	20354	20354	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S33	100YR-1HR	3174	3174	0
EX5S33	100YR-24HR	8614	8614	0
EX5S33	100YR-8HR	6108	6108	0
EX5S33	10YR-1HR	2164	2165	0
EX5S33	10YR-24HR	5639	5639	0
EX5S33	10YR-8HR	4282	4282	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX5S33	25YR-72HR	8327	8327	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
O401	100YR-1HR	286125	11	286114
O401	100YR-24HR	1017633	3	1017630
O401	100YR-8HR	735018	4	735014
O401	10YR-1HR	160741	49	160692
O401	10YR-24HR	573989	1	573989
O401	10YR-8HR	367355	4	367351
O401	25YR-72HR	1223589	15	1223574

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
O402	100YR-1HR	171448	29	171419
O402	100YR-24HR	550064	0	550064
O402	100YR-8HR	386424	0	386424
O402	10YR-1HR	111777	57	111720
O402	10YR-24HR	358217	0	358217
O402	10YR-8HR	211573	8	211565
O402	25YR-72HR	554298	1	554297

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND401	100YR-1HR	113046	4050	108996
POND401	100YR-24HR	336367	225032	111335
POND401	100YR-8HR	234159	123590	110569
POND401	10YR-1HR	71039	0	71039
POND401	10YR-24HR	215116	103920	111196
POND401	10YR-8HR	161215	50762	110453
POND401	25YR-72HR	335015	225744	109271

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND402	100YR-1HR	40309	32122	8187
POND402	100YR-24HR	67311	58840	8472
POND402	100YR-8HR	75270	66966	8304
POND402	10YR-1HR	20729	12629	8101
POND402	10YR-24HR	37345	28931	8414
POND402	10YR-8HR	37328	29044	8284
POND402	25YR-72HR	96703	88713	7990

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND403	100YR-1HR	37908	32105	5803
POND403	100YR-24HR	60126	54261	5866
POND403	100YR-8HR	65848	60088	5760
POND403	10YR-1HR	13921	8038	5883
POND403	10YR-24HR	36748	30887	5862
POND403	10YR-8HR	26625	20759	5866
POND403	25YR-72HR	110982	105319	5663

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND404	100YR-1HR	75057	71006	4051
POND404	100YR-24HR	275760	271108	4652
POND404	100YR-8HR	201106	196756	4350
POND404	10YR-1HR	45792	41829	3963
POND404	10YR-24HR	164626	160068	4558
POND404	10YR-8HR	104133	99827	4306
POND404	25YR-72HR	326950	323440	3510

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND405	100YR-1HR	40171	35217	4955
POND405	100YR-24HR	165352	160306	5045
POND405	100YR-8HR	134867	129877	4990
POND405	10YR-1HR	24209	19272	4937
POND405	10YR-24HR	84832	79805	5026
POND405	10YR-8HR	59550	54567	4982
POND405	25YR-72HR	216264	211395	4869

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND501	100YR-1HR	16525	0	16525
POND501	100YR-24HR	14411	0	14411
POND501	100YR-8HR	17670	0	17670
POND501	10YR-1HR	4722	0	4722
POND501	10YR-24HR	7033	0	7033
POND501	10YR-8HR	4131	0	4131
POND501	25YR-72HR	29778	3959	25819

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S02	100YR-1HR	9169	9135	34
PR4S02	100YR-24HR	24884	24850	34
PR4S02	100YR-8HR	17647	17613	34
PR4S02	10YR-1HR	6253	6219	34
PR4S02	10YR-24HR	16290	16256	34
PR4S02	10YR-8HR	12370	12337	34
PR4S02	25YR-72HR	24055	24021	34

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S04	100YR-1HR	9874	9795	79
PR4S04	100YR-24HR	26798	26719	79
PR4S04	100YR-8HR	19004	18926	78
PR4S04	10YR-1HR	6734	6655	79
PR4S04	10YR-24HR	17543	17464	79
PR4S04	10YR-8HR	13322	13244	78
PR4S04	25YR-72HR	25905	25826	79

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S05	100YR-1HR	16876	16870	6
PR4S05	100YR-24HR	45889	45883	6
PR4S05	100YR-8HR	32534	32546	-12
PR4S05	10YR-1HR	11492	11491	1
PR4S05	10YR-24HR	30022	30016	6
PR4S05	10YR-8HR	22787	22783	4

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S05	25YR-72HR	44357	44356	1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S06	100YR-1HR	275550	275544	6
PR4S06	100YR-24HR	985302	985293	9
PR4S06	100YR-8HR	712842	712819	22
PR4S06	10YR-1HR	153804	153796	8
PR4S06	10YR-24HR	553391	553384	7
PR4S06	10YR-8HR	352334	352327	7
PR4S06	25YR-72HR	1191900	1191882	18

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S08	100YR-1HR	230303	230302	1
PR4S08	100YR-24HR	844099	844101	-2
PR4S08	100YR-8HR	616515	616523	-8
PR4S08	10YR-1HR	125140	125141	-1
PR4S08	10YR-24HR	465419	465419	1
PR4S08	10YR-8HR	288132	288132	0
PR4S08	25YR-72HR	1055884	1055874	10

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S09	100YR-1HR	185635	185635	0
PR4S09	100YR-24HR	674812	674809	3
PR4S09	100YR-8HR	507033	507032	1
PR4S09	10YR-1HR	99718	99719	-1
PR4S09	10YR-24HR	366826	366824	2
PR4S09	10YR-8HR	220065	220063	2
PR4S09	25YR-72HR	893532	893545	-13

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S10	100YR-1HR	20314	20314	0
PR4S10	100YR-24HR	55068	55068	0
PR4S10	100YR-8HR	39066	39058	8
PR4S10	10YR-1HR	13864	13864	0
PR4S10	10YR-24HR	36060	36060	0
PR4S10	10YR-8HR	27393	27394	0
PR4S10	25YR-72HR	53234	53238	-3

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S101	100YR-1HR	113425	113427	-2
PR4S101	100YR-24HR	309260	309257	3
PR4S101	100YR-8HR	217827	217827	1
PR4S101	10YR-1HR	76166	76174	-7
PR4S101	10YR-24HR	200276	200271	5
PR4S101	10YR-8HR	150995	150996	-1
PR4S101	25YR-72HR	299377	299367	10

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S101A	100YR-1HR	25154	24145	1010
PR4S101A	100YR-24HR	53424	52601	823
PR4S101A	100YR-8HR	38622	37739	883
PR4S101A	10YR-1HR	17620	16625	995
PR4S101A	10YR-24HR	35127	34311	816
PR4S101A	10YR-8HR	27259	26392	867
PR4S101A	25YR-72HR	52439	51659	780

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S101B	100YR-1HR	20170	20574	-404
PR4S101B	100YR-24HR	52083	51968	115
PR4S101B	100YR-8HR	36780	36744	36
PR4S101B	10YR-1HR	13441	13755	-314
PR4S101B	10YR-24HR	33890	33759	131
PR4S101B	10YR-8HR	25603	25534	69
PR4S101B	25YR-72HR	50603	50448	155

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S101C	100YR-1HR	18355	17989	365
PR4S101C	100YR-24HR	52016	51764	252
PR4S101C	100YR-8HR	36589	36311	278
PR4S101C	10YR-1HR	12226	11856	370
PR4S101C	10YR-24HR	33848	33602	246
PR4S101C	10YR-8HR	25462	25193	269
PR4S101C	25YR-72HR	50351	50108	243

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S101D	100YR-1HR	18921	18355	567
PR4S101D	100YR-24HR	52323	52016	307
PR4S101D	100YR-8HR	36962	36589	373
PR4S101D	10YR-1HR	12765	12226	539
PR4S101D	10YR-24HR	34144	33848	296
PR4S101D	10YR-8HR	25814	25462	352
PR4S101D	25YR-72HR	50603	50351	252

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S101E	100YR-1HR	19350	18921	429
PR4S101E	100YR-24HR	52597	52323	274
PR4S101E	100YR-8HR	37286	36962	324
PR4S101E	10YR-1HR	13181	12765	417
PR4S101E	10YR-24HR	34416	34144	272
PR4S101E	10YR-8HR	26125	25814	311
PR4S101E	25YR-72HR	50842	50603	239

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S102	100YR-1HR	19353	19350	3
PR4S102	100YR-24HR	52597	52597	0
PR4S102	100YR-8HR	37286	37286	1
PR4S102	10YR-1HR	13184	13181	3
PR4S102	10YR-24HR	34416	34416	0
PR4S102	10YR-8HR	26125	26125	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S102	25YR-72HR	50843	50842	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S104	100YR-1HR	12695	12652	43
PR4S104	100YR-24HR	34455	34412	43
PR4S104	100YR-8HR	24434	24391	43
PR4S104	10YR-1HR	8658	8615	43
PR4S104	10YR-24HR	22555	22512	43
PR4S104	10YR-8HR	17128	17085	43
PR4S104	25YR-72HR	33307	33264	43

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S12	100YR-1HR	52545	52160	384
PR4S12	100YR-24HR	142606	142222	384
PR4S12	100YR-8HR	101128	100744	384
PR4S12	10YR-1HR	35833	35448	384
PR4S12	10YR-24HR	93352	92968	384
PR4S12	10YR-8HR	70892	70508	384
PR4S12	25YR-72HR	137853	137469	384

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S12A	100YR-1HR	145867	148647	-2779
PR4S12A	100YR-24HR	564454	567120	-2666
PR4S12A	100YR-8HR	394214	396509	-2295
PR4S12A	10YR-1HR	78406	81318	-2912
PR4S12A	10YR-24HR	323848	326512	-2664
PR4S12A	10YR-8HR	194361	197278	-2917
PR4S12A	25YR-72HR	694858	697692	-2834

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S12B	100YR-1HR	111718	113321	-1603
PR4S12B	100YR-24HR	387925	389323	-1398
PR4S12B	100YR-8HR	248571	249716	-1145
PR4S12B	10YR-1HR	69223	70815	-1592
PR4S12B	10YR-24HR	246683	248086	-1403
PR4S12B	10YR-8HR	159271	160857	-1586
PR4S12B	25YR-72HR	440882	442487	-1606

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S14A	100YR-1HR	107113	111496	-4383
PR4S14A	100YR-24HR	379763	384019	-4256
PR4S14A	100YR-8HR	244851	249176	-4325
PR4S14A	10YR-1HR	64662	68947	-4286
PR4S14A	10YR-24HR	239008	243266	-4257
PR4S14A	10YR-8HR	150963	155237	-4274
PR4S14A	25YR-72HR	435512	439922	-4410

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S15	100YR-1HR	12343	12292	51
PR4S15	100YR-24HR	33498	33447	51
PR4S15	100YR-8HR	23755	23704	51
PR4S15	10YR-1HR	8417	8366	51
PR4S15	10YR-24HR	21928	21877	51
PR4S15	10YR-8HR	16653	16602	51
PR4S15	25YR-72HR	32382	32331	51

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S16	100YR-1HR	4330	4298	32
PR4S16	100YR-24HR	11583	11541	42
PR4S16	100YR-8HR	8242	8206	36
PR4S16	10YR-1HR	2984	2953	31
PR4S16	10YR-24HR	7616	7575	41
PR4S16	10YR-8HR	5807	5771	37
PR4S16	25YR-72HR	11200	11170	30

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S16A	100YR-1HR	90533	90096	437
PR4S16A	100YR-24HR	307887	307357	530
PR4S16A	100YR-8HR	200165	199676	490
PR4S16A	10YR-1HR	55812	55379	433
PR4S16A	10YR-24HR	199221	198700	520
PR4S16A	10YR-8HR	124532	124044	489
PR4S16A	25YR-72HR	366719	366312	407

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S17	100YR-1HR	15259	15218	41
PR4S17	100YR-24HR	41250	41184	65
PR4S17	100YR-8HR	29279	29276	3
PR4S17	10YR-1HR	10436	10397	39
PR4S17	10YR-24HR	27035	26973	63
PR4S17	10YR-8HR	20554	20503	50
PR4S17	25YR-72HR	39878	39833	45

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S17A	100YR-1HR	75093	72261	2831
PR4S17A	100YR-24HR	240813	237802	3011
PR4S17A	100YR-8HR	154632	151670	2961
PR4S17A	10YR-1HR	47320	44476	2844
PR4S17A	10YR-24HR	156546	153569	2977
PR4S17A	10YR-8HR	93872	90969	2903
PR4S17A	25YR-72HR	301603	298792	2812

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S17B	100YR-1HR	76052	75658	394
PR4S17B	100YR-24HR	254486	254180	306
PR4S17B	100YR-8HR	162430	162115	315
PR4S17B	10YR-1HR	45576	45194	382
PR4S17B	10YR-24HR	163998	163696	302
PR4S17B	10YR-8HR	97767	97458	309

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S17B	25YR-72HR	315108	314820	288

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S17C	100YR-1HR	87005	86753	253
PR4S17C	100YR-24HR	295380	295154	226
PR4S17C	100YR-8HR	191058	190781	277
PR4S17C	10YR-1HR	52870	52620	250
PR4S17C	10YR-24HR	190681	190454	227
PR4S17C	10YR-8HR	117793	117570	224
PR4S17C	25YR-72HR	354586	354357	229

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S19	100YR-1HR	13930	13895	34
PR4S19	100YR-24HR	37805	37805	0
PR4S19	100YR-8HR	26809	26809	0
PR4S19	10YR-1HR	9499	9499	0
PR4S19	10YR-24HR	24748	24748	0
PR4S19	10YR-8HR	18794	18794	0
PR4S19	25YR-72HR	36545	36545	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S20	100YR-1HR	11990	11990	0
PR4S20	100YR-24HR	32541	32541	0
PR4S20	100YR-8HR	23076	23076	0
PR4S20	10YR-1HR	8177	8177	0
PR4S20	10YR-24HR	21302	21302	0
PR4S20	10YR-8HR	16177	16177	0
PR4S20	25YR-72HR	31456	31456	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S52	100YR-1HR	85807	88284	-2477
PR4S52	100YR-24HR	357365	359341	-1976
PR4S52	100YR-8HR	235513	236942	-1430
PR4S52	10YR-1HR	43059	45431	-2372
PR4S52	10YR-24HR	193751	195734	-1984
PR4S52	10YR-8HR	134033	136400	-2368
PR4S52	25YR-72HR	332523	334900	-2377

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S53	100YR-1HR	58510	60434	-1924
PR4S53	100YR-24HR	259438	260931	-1494
PR4S53	100YR-8HR	160631	161679	-1047
PR4S53	10YR-1HR	32127	34006	-1879
PR4S53	10YR-24HR	145540	147046	-1506
PR4S53	10YR-8HR	97470	99320	-1850
PR4S53	25YR-72HR	231866	233645	-1779

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S55	100YR-1HR	9801	10431	-629
PR4S55	100YR-24HR	8329	8851	-523
PR4S55	100YR-8HR	24292	24744	-452
PR4S55	10YR-1HR	3259	3858	-599
PR4S55	10YR-24HR	4744	5267	-523
PR4S55	10YR-8HR	5405	6004	-599
PR4S55	25YR-72HR	31460	32088	-629

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S56	100YR-1HR	6514	7161	-647
PR4S56	100YR-24HR	9769	10336	-567
PR4S56	100YR-8HR	15743	16170	-427
PR4S56	10YR-1HR	2648	3292	-644
PR4S56	10YR-24HR	6117	6684	-567
PR4S56	10YR-8HR	5190	5834	-644
PR4S56	25YR-72HR	21086	21728	-642

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S62	100YR-1HR	22746	22755	-10
PR4S62	100YR-24HR	61732	61733	-1
PR4S62	100YR-8HR	43777	43824	-47
PR4S62	10YR-1HR	15511	15519	-7
PR4S62	10YR-24HR	40411	40411	0
PR4S62	10YR-8HR	30688	30691	-3
PR4S62	25YR-72HR	59675	59702	-28

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S63	100YR-1HR	96075	96431	-355
PR4S63	100YR-24HR	340901	341297	-395
PR4S63	100YR-8HR	241103	241216	-113
PR4S63	10YR-1HR	53601	54118	-516
PR4S63	10YR-24HR	199799	200214	-415
PR4S63	10YR-8HR	141802	142448	-646
PR4S63	25YR-72HR	361282	361955	-672

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S63A	100YR-1HR	42440	43155	-715
PR4S63A	100YR-24HR	182062	182567	-505
PR4S63A	100YR-8HR	118057	118260	-202
PR4S63A	10YR-1HR	28469	29181	-712
PR4S63A	10YR-24HR	107573	108081	-508
PR4S63A	10YR-8HR	75146	75878	-732
PR4S63A	25YR-72HR	173143	173849	-706

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S63B	100YR-1HR	119	119	0
PR4S63B	100YR-24HR	0	0	0
PR4S63B	100YR-8HR	74	74	0
PR4S63B	10YR-1HR	0	0	0
PR4S63B	10YR-24HR	0	0	0
PR4S63B	10YR-8HR	0	0	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S63B	25YR-72HR	208	208	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S63C	100YR-1HR	22305	22895	-590
PR4S63C	100YR-24HR	175644	176046	-403
PR4S63C	100YR-8HR	89134	89271	-137
PR4S63C	10YR-1HR	14418	15006	-588
PR4S63C	10YR-24HR	104642	105061	-419
PR4S63C	10YR-8HR	53323	53909	-586
PR4S63C	25YR-72HR	150536	151138	-601

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S63D	100YR-1HR	35940	36517	-577
PR4S63D	100YR-24HR	316010	316417	-407
PR4S63D	100YR-8HR	152982	153154	-172
PR4S63D	10YR-1HR	20252	20802	-551
PR4S63D	10YR-24HR	186217	186609	-392
PR4S63D	10YR-8HR	98390	98947	-557
PR4S63D	25YR-72HR	267620	268169	-548

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S63E	100YR-1HR	42062	40865	1197
PR4S63E	100YR-24HR	113973	113318	655
PR4S63E	100YR-8HR	80850	79996	855
PR4S63E	10YR-1HR	28714	27693	1021
PR4S63E	10YR-24HR	74638	74004	634
PR4S63E	10YR-8HR	56706	55998	708
PR4S63E	25YR-72HR	110184	109452	731

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S65	100YR-1HR	1035	473	562
PR4S65	100YR-24HR	1998	1436	562
PR4S65	100YR-8HR	1528	966	562
PR4S65	10YR-1HR	688	126	562
PR4S65	10YR-24HR	1334	773	562
PR4S65	10YR-8HR	1097	535	562
PR4S65	25YR-72HR	1855	1293	562

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S66	100YR-1HR	1234	660	574
PR4S66	100YR-24HR	3350	2776	574
PR4S66	100YR-8HR	2375	1801	574
PR4S66	10YR-1HR	842	268	574
PR4S66	10YR-24HR	2193	1619	574
PR4S66	10YR-8HR	1665	1091	574
PR4S66	25YR-72HR	3238	2664	574

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S68	100YR-1HR	15693	15004	689
PR4S68	100YR-24HR	42590	41901	689
PR4S68	100YR-8HR	30203	29474	729
PR4S68	10YR-1HR	10702	10012	689
PR4S68	10YR-24HR	27880	27191	689
PR4S68	10YR-8HR	21173	20483	689
PR4S68	25YR-72HR	41171	40416	755

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S79	100YR-1HR	13577	13562	15
PR4S79	100YR-24HR	36848	36824	24
PR4S79	100YR-8HR	26130	26109	21
PR4S79	10YR-1HR	9259	9259	0
PR4S79	10YR-24HR	24121	24097	24
PR4S79	10YR-8HR	18318	18297	21
PR4S79	25YR-72HR	35620	35603	17

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S80	100YR-1HR	13224	13219	6
PR4S80	100YR-24HR	35891	35885	6
PR4S80	100YR-8HR	25452	25446	6
PR4S80	10YR-1HR	9018	9013	6
PR4S80	10YR-24HR	23495	23489	6
PR4S80	10YR-8HR	17842	17836	6
PR4S80	25YR-72HR	34694	34689	6

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S81	100YR-1HR	10756	10660	96
PR4S81	100YR-24HR	29191	29084	107
PR4S81	100YR-8HR	20701	20597	104
PR4S81	10YR-1HR	7335	7335	0
PR4S81	10YR-24HR	19109	19003	106
PR4S81	10YR-8HR	14512	14412	100
PR4S81	25YR-72HR	28218	28119	99

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S83	100YR-1HR	49944	48630	1314
PR4S83	100YR-24HR	281219	280135	1084
PR4S83	100YR-8HR	152530	151292	1238
PR4S83	10YR-1HR	33708	33274	433
PR4S83	10YR-24HR	172031	170966	1065
PR4S83	10YR-8HR	110761	109419	1342
PR4S83	25YR-72HR	243305	242356	950

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S84	100YR-1HR	18946	18559	388
PR4S84	100YR-24HR	222727	222333	395
PR4S84	100YR-8HR	108600	108197	403
PR4S84	10YR-1HR	9740	9693	47
PR4S84	10YR-24HR	126941	126540	401
PR4S84	10YR-8HR	68563	68262	301

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S84	25YR-72HR	193471	193132	339

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S84B	100YR-1HR	41965	41574	391
PR4S84B	100YR-24HR	113893	113501	392
PR4S84B	100YR-8HR	80766	80375	392
PR4S84B	10YR-1HR	28619	28228	391
PR4S84B	10YR-24HR	74556	74164	392
PR4S84B	10YR-8HR	56619	56227	392
PR4S84B	25YR-72HR	110097	109706	391

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S85	100YR-1HR	29329	29111	218
PR4S85	100YR-24HR	99216	98997	219
PR4S85	100YR-8HR	60538	60334	204
PR4S85	10YR-1HR	19844	19814	29
PR4S85	10YR-24HR	60450	60227	223
PR4S85	10YR-8HR	44066	43859	207
PR4S85	25YR-72HR	89434	89241	193

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S86	100YR-1HR	15461	15404	57
PR4S86	100YR-24HR	98163	98074	90
PR4S86	100YR-8HR	48395	48312	83
PR4S86	10YR-1HR	10340	10348	-8
PR4S86	10YR-24HR	51789	51702	87
PR4S86	10YR-8HR	31232	31150	82
PR4S86	25YR-72HR	75660	75585	74

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S87	100YR-1HR	16452	16449	2
PR4S87	100YR-24HR	120651	120638	13
PR4S87	100YR-8HR	59849	59847	2
PR4S87	10YR-1HR	11321	11331	-11
PR4S87	10YR-24HR	58738	58724	14
PR4S87	10YR-8HR	34786	34778	7
PR4S87	25YR-72HR	88516	88505	11

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S90	100YR-1HR	14092	13164	929
PR4S90	100YR-24HR	135841	135179	662
PR4S90	100YR-8HR	66205	65484	721
PR4S90	10YR-1HR	8640	7747	893
PR4S90	10YR-24HR	59622	58978	645
PR4S90	10YR-8HR	33946	33248	698
PR4S90	25YR-72HR	94435	93828	607

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S91+A	100YR-1HR	171484	171470	14
PR4S91+A	100YR-24HR	550525	550061	465
PR4S91+A	100YR-8HR	386512	386424	88
PR4S91+A	10YR-1HR	111808	111810	-1
PR4S91+A	10YR-24HR	358674	358221	453
PR4S91+A	10YR-8HR	211517	211585	-67
PR4S91+A	25YR-72HR	554269	554266	3

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S91+B	100YR-1HR	171479	171479	0
PR4S91+B	100YR-24HR	550059	550064	-5
PR4S91+B	100YR-8HR	386422	386424	-2
PR4S91+B	10YR-1HR	111835	111835	0
PR4S91+B	10YR-24HR	358220	358218	2
PR4S91+B	10YR-8HR	211584	211582	2
PR4S91+B	25YR-72HR	554256	554299	-42

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S92	100YR-1HR	21159	21155	3
PR4S92	100YR-24HR	57425	57413	13
PR4S92	100YR-8HR	40722	40755	-33
PR4S92	10YR-1HR	14429	14434	-4
PR4S92	10YR-24HR	37591	37578	13
PR4S92	10YR-8HR	28547	28590	-42
PR4S92	25YR-72HR	55511	55518	-7

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S93	100YR-1HR	7758	7724	34
PR4S93	100YR-24HR	21056	21019	37
PR4S93	100YR-8HR	14932	14896	35
PR4S93	10YR-1HR	5291	5257	34
PR4S93	10YR-24HR	13783	13749	35
PR4S93	10YR-8HR	10467	10434	34
PR4S93	25YR-72HR	20354	20332	22

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S94	100YR-1HR	10579	10579	0
PR4S94	100YR-24HR	28713	28713	0
PR4S94	100YR-8HR	20361	20361	0
PR4S94	10YR-1HR	7215	7215	0
PR4S94	10YR-24HR	18796	18796	0
PR4S94	10YR-8HR	14274	14274	0
PR4S94	25YR-72HR	27756	27756	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S95	100YR-1HR	167929	167940	-11
PR4S95	100YR-24HR	540541	540954	-413
PR4S95	100YR-8HR	379636	379725	-89
PR4S95	10YR-1HR	109372	109365	6
PR4S95	10YR-24HR	352075	352409	-333
PR4S95	10YR-8HR	206855	206760	95

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S95	25YR-72HR	545603	545020	583

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S96	100YR-1HR	155428	155418	10
PR4S96	100YR-24HR	504508	504558	-50
PR4S96	100YR-8HR	354516	354468	48
PR4S96	10YR-1HR	101121	101107	14
PR4S96	10YR-24HR	328805	328930	-125
PR4S96	10YR-8HR	189572	189545	26
PR4S96	25YR-72HR	510247	510840	-593

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S97	100YR-1HR	132664	132681	-17
PR4S97	100YR-24HR	440364	440358	6
PR4S97	100YR-8HR	309313	309313	0
PR4S97	10YR-1HR	85836	85868	-31
PR4S97	10YR-24HR	287216	287203	14
PR4S97	10YR-8HR	158347	158346	1
PR4S97	25YR-72HR	448264	448253	11

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S98	100YR-1HR	16590	16543	47
PR4S98	100YR-24HR	44989	44978	11
PR4S98	100YR-8HR	31908	32082	-173
PR4S98	10YR-1HR	11331	11259	72
PR4S98	10YR-24HR	29453	29411	42
PR4S98	10YR-8HR	22372	22284	88
PR4S98	25YR-72HR	43501	43406	95

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S98A	100YR-1HR	152736	152740	-4
PR4S98A	100YR-24HR	434964	434957	7
PR4S98A	100YR-8HR	303054	303052	2
PR4S98A	10YR-1HR	100038	100039	-1
PR4S98A	10YR-24HR	278629	278624	6
PR4S98A	10YR-8HR	208041	208045	-4
PR4S98A	25YR-72HR	419901	419902	-1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S98B	100YR-1HR	131430	131368	62
PR4S98B	100YR-24HR	407436	407427	9
PR4S98B	100YR-8HR	286203	286185	19
PR4S98B	10YR-1HR	85897	85833	64
PR4S98B	10YR-24HR	265485	265476	8
PR4S98B	10YR-8HR	166885	166868	17
PR4S98B	25YR-72HR	411426	411397	29

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR4S99	100YR-1HR	127153	127086	66
PR4S99	100YR-24HR	357564	357450	114
PR4S99	100YR-8HR	251424	251128	296
PR4S99	10YR-1HR	84770	84722	48
PR4S99	10YR-24HR	231447	231363	84
PR4S99	10YR-8HR	173934	173898	36
PR4S99	25YR-72HR	345407	345381	26

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S01+A	100YR-1HR	25293	25288	5
PR5S01+A	100YR-24HR	41581	41353	228
PR5S01+A	100YR-8HR	42721	42223	498
PR5S01+A	10YR-1HR	15274	15268	6
PR5S01+A	10YR-24HR	25249	25023	227
PR5S01+A	10YR-8HR	24701	24699	2
PR5S01+A	25YR-72HR	55619	55596	24

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S01+B	100YR-1HR	17506	16714	792
PR5S01+B	100YR-24HR	6843	6031	812
PR5S01+B	100YR-8HR	23619	22797	822
PR5S01+B	10YR-1HR	10666	9855	811
PR5S01+B	10YR-24HR	1660	852	808
PR5S01+B	10YR-8HR	13560	12741	819
PR5S01+B	25YR-72HR	22871	22076	795

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S02	100YR-1HR	7229	7229	0
PR5S02	100YR-24HR	19620	19620	0
PR5S02	100YR-8HR	13914	13913	0
PR5S02	10YR-1HR	4930	4930	0
PR5S02	10YR-24HR	12844	12844	0
PR5S02	10YR-8HR	9754	9754	0
PR5S02	25YR-72HR	18966	18966	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S03	100YR-1HR	7053	7053	0
PR5S03	100YR-24HR	19142	19142	0
PR5S03	100YR-8HR	13574	13577	-3
PR5S03	10YR-1HR	4810	4810	0
PR5S03	10YR-24HR	12530	12530	1
PR5S03	10YR-8HR	9516	9516	0
PR5S03	25YR-72HR	18504	18504	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S04+A	100YR-1HR	29642	29644	-1
PR5S04+A	100YR-24HR	205343	205128	215
PR5S04+A	100YR-8HR	109843	109356	486
PR5S04+A	10YR-1HR	16237	16237	0
PR5S04+A	10YR-24HR	98782	98567	215
PR5S04+A	10YR-8HR	59818	59809	9

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S04+A	25YR-72HR	157322	157317	5

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S04+B	100YR-1HR	12764	11685	1079
PR5S04+B	100YR-24HR	134890	133851	1039
PR5S04+B	100YR-8HR	65192	64140	1051
PR5S04+B	10YR-1HR	7373	6295	1077
PR5S04+B	10YR-24HR	58596	57562	1035
PR5S04+B	10YR-8HR	32956	31910	1046
PR5S04+B	25YR-72HR	89851	88804	1047

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S05	100YR-1HR	29784	29786	-2
PR5S05	100YR-24HR	90421	90072	348
PR5S05	100YR-8HR	62769	61974	794
PR5S05	10YR-1HR	19272	19270	1
PR5S05	10YR-24HR	58740	58393	347
PR5S05	10YR-8HR	36200	36197	2
PR5S05	25YR-72HR	90476	90452	25

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S06	100YR-1HR	12343	12343	0
PR5S06	100YR-24HR	33498	33498	0
PR5S06	100YR-8HR	23755	23755	0
PR5S06	10YR-1HR	8417	8417	0
PR5S06	10YR-24HR	21928	21928	0
PR5S06	10YR-8HR	16653	16653	0
PR5S06	25YR-72HR	32382	32382	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S07	100YR-1HR	12166	11838	328
PR5S07	100YR-24HR	33019	32692	328
PR5S07	100YR-8HR	23415	23090	326
PR5S07	10YR-1HR	8297	7969	328
PR5S07	10YR-24HR	21615	21286	329
PR5S07	10YR-8HR	16415	16087	328
PR5S07	25YR-72HR	31919	31591	328

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S08	100YR-1HR	31663	31635	28
PR5S08	100YR-24HR	173397	173055	342
PR5S08	100YR-8HR	96119	95328	790
PR5S08	10YR-1HR	19563	19538	26
PR5S08	10YR-24HR	89609	89269	340
PR5S08	10YR-8HR	53787	53787	0
PR5S08	25YR-72HR	137826	137820	6

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S09	100YR-1HR	34827	34833	-6
PR5S09	100YR-24HR	126241	125891	350
PR5S09	100YR-8HR	80719	79923	796
PR5S09	10YR-1HR	23547	23552	-5
PR5S09	10YR-24HR	81861	81513	348
PR5S09	10YR-8HR	47204	47202	1
PR5S09	25YR-72HR	115682	115656	26

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S10	100YR-1HR	12343	12343	0
PR5S10	100YR-24HR	33498	33498	0
PR5S10	100YR-8HR	23755	23755	0
PR5S10	10YR-1HR	8417	8417	0
PR5S10	10YR-24HR	21928	21928	0
PR5S10	10YR-8HR	16653	16653	0
PR5S10	25YR-72HR	32382	32382	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S11	100YR-1HR	9169	9169	0
PR5S11	100YR-24HR	24884	24884	0
PR5S11	100YR-8HR	17646	17654	-7
PR5S11	10YR-1HR	6253	6253	0
PR5S11	10YR-24HR	16290	16290	0
PR5S11	10YR-8HR	12370	12371	0
PR5S11	25YR-72HR	24055	24055	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S12	100YR-1HR	20467	20463	4
PR5S12	100YR-24HR	80470	80187	282
PR5S12	100YR-8HR	48080	47403	677
PR5S12	10YR-1HR	13960	13959	1
PR5S12	10YR-24HR	45986	45706	279
PR5S12	10YR-8HR	30480	30483	-3
PR5S12	25YR-72HR	68975	68966	9

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S13	100YR-1HR	10932	10932	0
PR5S13	100YR-24HR	29670	29670	0
PR5S13	100YR-8HR	21040	21040	0
PR5S13	10YR-1HR	7455	7455	0
PR5S13	10YR-24HR	19422	19422	0
PR5S13	10YR-8HR	14749	14749	0
PR5S13	25YR-72HR	28681	28681	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S14	100YR-1HR	11085	11122	-38
PR5S14	100YR-24HR	29670	29616	54
PR5S14	100YR-8HR	21137	21030	107
PR5S14	10YR-1HR	7455	7455	0
PR5S14	10YR-24HR	19422	19366	56
PR5S14	10YR-8HR	14749	14749	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S14	25YR-72HR	29045	29016	29

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S14A	100YR-1HR	378	152	226
PR5S14A	100YR-24HR	0	0	0
PR5S14A	100YR-8HR	317	91	226
PR5S14A	10YR-1HR	0	0	0
PR5S14A	10YR-24HR	0	0	0
PR5S14A	10YR-8HR	0	0	0
PR5S14A	25YR-72HR	562	336	226

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S15	100YR-1HR	52470	52466	4
PR5S15	100YR-24HR	165779	165449	330
PR5S15	100YR-8HR	112356	111599	757
PR5S15	10YR-1HR	35006	34993	13
PR5S15	10YR-24HR	106434	106105	329
PR5S15	10YR-8HR	71743	71746	-3
PR5S15	25YR-72HR	157421	157395	25

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S16	100YR-1HR	18514	18514	0
PR5S16	100YR-24HR	50247	50247	0
PR5S16	100YR-8HR	35632	35632	0
PR5S16	10YR-1HR	12626	12626	0
PR5S16	10YR-24HR	32892	32892	0
PR5S16	10YR-8HR	24979	24979	0
PR5S16	25YR-72HR	48572	48572	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S18	100YR-1HR	37031	37035	-4
PR5S18	100YR-24HR	85231	85091	140
PR5S18	100YR-8HR	64440	64130	310
PR5S18	10YR-1HR	22290	22290	0
PR5S18	10YR-24HR	55193	55053	140
PR5S18	10YR-8HR	41357	41352	6
PR5S18	25YR-72HR	92430	92434	-4

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S19	100YR-1HR	50897	50898	-1
PR5S19	100YR-24HR	138881	138882	-1
PR5S19	100YR-8HR	98374	98401	-26
PR5S19	10YR-1HR	34589	34590	-1
PR5S19	10YR-24HR	90790	90791	-1
PR5S19	10YR-8HR	68848	68840	8
PR5S19	25YR-72HR	134249	134255	-7

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S20A	100YR-1HR	53193	53213	-20
PR5S20A	100YR-24HR	147781	147688	93
PR5S20A	100YR-8HR	104050	103823	227
PR5S20A	10YR-1HR	35884	35906	-21
PR5S20A	10YR-24HR	95529	95434	94
PR5S20A	10YR-8HR	71928	71944	-16
PR5S20A	25YR-72HR	143647	143640	7

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S20B	100YR-1HR	1388	1372	16
PR5S20B	100YR-24HR	4228	4229	-1
PR5S20B	100YR-8HR	2828	2829	0
PR5S20B	10YR-1HR	898	878	20
PR5S20B	10YR-24HR	2235	2235	0
PR5S20B	10YR-8HR	1498	1500	-2
PR5S20B	25YR-72HR	4310	4311	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S21A	100YR-1HR	51501	51623	-122
PR5S21A	100YR-24HR	150606	150188	419
PR5S21A	100YR-8HR	104711	104076	635
PR5S21A	10YR-1HR	33686	33777	-91
PR5S21A	10YR-24HR	96127	95731	396
PR5S21A	10YR-8HR	71481	71522	-41
PR5S21A	25YR-72HR	145329	145260	69

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S21B	100YR-1HR	36768	36594	174
PR5S21B	100YR-24HR	106236	106114	122
PR5S21B	100YR-8HR	74070	73945	124
PR5S21B	10YR-1HR	24204	24061	143
PR5S21B	10YR-24HR	68056	67932	123
PR5S21B	10YR-8HR	50767	50647	120
PR5S21B	25YR-72HR	102556	102426	130

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S21C	100YR-1HR	23296	23071	225
PR5S21C	100YR-24HR	66626	66362	264
PR5S21C	100YR-8HR	46574	46327	247
PR5S21C	10YR-1HR	15438	15215	224
PR5S21C	10YR-24HR	42807	42582	225
PR5S21C	10YR-8HR	32038	31805	233
PR5S21C	25YR-72HR	64291	64065	226

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S22	100YR-1HR	10227	10227	0
PR5S22	100YR-24HR	27755	27756	0
PR5S22	100YR-8HR	19683	19692	-10
PR5S22	10YR-1HR	6974	6975	-1
PR5S22	10YR-24HR	18169	18169	0
PR5S22	10YR-8HR	13798	13798	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S22	25YR-72HR	26830	26831	-1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S22A	100YR-1HR	45962	45960	2
PR5S22A	100YR-24HR	125482	125482	0
PR5S22A	100YR-8HR	88873	88872	0
PR5S22A	10YR-1HR	31223	31222	1
PR5S22A	10YR-24HR	82019	82019	0
PR5S22A	10YR-8HR	62187	62187	0
PR5S22A	25YR-72HR	121296	121296	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S23	100YR-1HR	41378	41377	1
PR5S23	100YR-24HR	113041	113040	0
PR5S23	100YR-8HR	80050	80050	0
PR5S23	10YR-1HR	28098	28097	1
PR5S23	10YR-24HR	73874	73874	0
PR5S23	10YR-8HR	56002	56002	0
PR5S23	25YR-72HR	109269	109269	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S24	100YR-1HR	10241	10241	0
PR5S24	100YR-24HR	27762	27762	0
PR5S24	100YR-8HR	19692	19691	0
PR5S24	10YR-1HR	6998	6998	1
PR5S24	10YR-24HR	18175	18175	0
PR5S24	10YR-8HR	13807	13807	0
PR5S24	25YR-72HR	26847	26847	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S24A	100YR-1HR	37646	37645	0
PR5S24A	100YR-24HR	102667	102667	0
PR5S24A	100YR-8HR	72736	72736	0
PR5S24A	10YR-1HR	25593	25593	0
PR5S24A	10YR-24HR	67134	67134	0
PR5S24A	10YR-8HR	50918	50918	0
PR5S24A	25YR-72HR	99246	99246	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S25	100YR-1HR	33591	33590	1
PR5S25	100YR-24HR	91661	91661	0
PR5S25	100YR-8HR	64932	64931	0
PR5S25	10YR-1HR	22828	22827	0
PR5S25	10YR-24HR	59929	59929	0
PR5S25	10YR-8HR	45446	45446	0
PR5S25	25YR-72HR	88607	88607	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S26	100YR-1HR	29360	29359	1
PR5S26	100YR-24HR	80176	80176	0
PR5S26	100YR-8HR	56788	56787	1
PR5S26	10YR-1HR	19943	19942	1
PR5S26	10YR-24HR	52411	52411	0
PR5S26	10YR-8HR	39737	39737	0
PR5S26	25YR-72HR	77506	77505	1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S27	100YR-1HR	19221	19224	-4
PR5S27	100YR-24HR	52162	52201	-39
PR5S27	100YR-8HR	36991	37013	-23
PR5S27	10YR-1HR	13107	13109	-2
PR5S27	10YR-24HR	34146	34146	0
PR5S27	10YR-8HR	25931	25940	-9
PR5S27	25YR-72HR	50426	50428	-2

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S29	100YR-1HR	26181	26186	-5
PR5S29	100YR-24HR	71562	71562	0
PR5S29	100YR-8HR	50677	50679	-2
PR5S29	10YR-1HR	17775	17778	-3
PR5S29	10YR-24HR	46772	46772	0
PR5S29	10YR-8HR	35454	35455	0
PR5S29	25YR-72HR	69173	69179	-6

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S30	100YR-1HR	20595	20362	233
PR5S30	100YR-24HR	55985	55770	215
PR5S30	100YR-8HR	39696	39478	217
PR5S30	10YR-1HR	14036	13807	228
PR5S30	10YR-24HR	36650	36435	215
PR5S30	10YR-8HR	27822	27604	218
PR5S30	25YR-72HR	54124	53908	217

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S31	100YR-1HR	9522	9523	-1
PR5S31	100YR-24HR	25841	25842	-1
PR5S31	100YR-8HR	18325	18326	-1
PR5S31	10YR-1HR	6493	6494	0
PR5S31	10YR-24HR	16916	16917	0
PR5S31	10YR-8HR	12846	12847	-1
PR5S31	25YR-72HR	24980	24983	-3

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S32	100YR-1HR	13048	13013	35
PR5S32	100YR-24HR	35412	35408	4
PR5S32	100YR-8HR	25112	25103	9
PR5S32	10YR-1HR	8898	8865	33
PR5S32	10YR-24HR	23181	23179	2
PR5S32	10YR-8HR	17604	17593	12

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR5S32	25YR-72HR	34232	34233	-1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 4E1	100YR-1HR	83484	83480	5
SWALE 4E1	100YR-24HR	269034	269054	-20
SWALE 4E1	100YR-8HR	181261	181273	-12
SWALE 4E1	10YR-1HR	52674	52672	2
SWALE 4E1	10YR-24HR	165125	165146	-21
SWALE 4E1	10YR-8HR	119400	119415	-15
SWALE 4E1	25YR-72HR	258869	258879	-10

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 4W1	100YR-1HR	25641	25664	-24
SWALE 4W1	100YR-24HR	77487	77521	-34
SWALE 4W1	100YR-8HR	51903	51934	-32
SWALE 4W1	10YR-1HR	15315	15345	-30
SWALE 4W1	10YR-24HR	47239	47273	-34
SWALE 4W1	10YR-8HR	34121	34153	-32
SWALE 4W1	25YR-72HR	74508	74537	-29

System 6

Pre-Development Land Use Tables
Post-Development Land Use Tables
Water Quality Summary Table
Drainage Calculations
Drainage System Summary Tables
Pre-Development Node Link Diagram
Pre-Development ICPR Input/Output
Post-Development Node Link Diagram
Post-Development ICPR Input/Output

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

PRE-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 6 **SHGWT EL. (ft-NAVD): 1.45**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
6B01	**10**	**0.23**	**0.23**	0.23	0.00	0.00	**0.00**	0.00	0.00	0.00	14.00	12.55	8.18	**98.00**
6B03	**10**	**0.48**	**0.48**	0.48	0.00	0.00	**0.00**	0.00	0.00	0.00	17.00	15.55	8.18	**98.00**
6B04	**10**	**0.32**	**0.32**	0.32	0.00	0.00	**0.00**	0.00	0.00	0.00	17.00	15.55	8.18	**98.00**
6B07	**10**	**0.48**	**0.48**	0.48	0.00	0.00	**0.00**	0.00	0.00	0.00	25.00	23.55	8.18	**98.00**
6B08	**10**	**0.25**	**0.25**	0.25	0.00	0.00	**0.00**	0.00	0.00	0.00	27.00	25.55	8.18	**98.00**
6B09	**10**	**0.11**	**0.11**	0.11	0.00	0.00	**0.00**	0.00	0.00	0.00	28.00	26.55	8.18	**98.00**
6B10	**10**	**0.57**	**0.57**	0.57	0.00	0.00	**0.00**	0.00	0.00	0.00	30.00	28.55	8.18	**98.00**
6B11	**10**	**0.13**	**0.13**	0.00	0.00	0.13	**0.00**	0.00	0.00	0.00	30.00	28.55	8.18	**55.01**
6B14	**10**	**0.51**	**0.51**	0.51	0.00	0.00	**0.00**	0.00	0.00	0.00	32.00	30.55	8.18	**98.00**
6B15	**10**	**0.58**	**0.58**	0.04	0.00	0.54	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**56.77**
6B17	**10**	**0.13**	**0.13**	0.13	0.00	0.00	**0.00**	0.00	0.00	0.00	36.00	34.55	8.18	**98.00**
6B18	**10**	**0.24**	**0.24**	0.24	0.00	0.00	**0.00**	0.00	0.00	0.00	36.00	34.55	8.18	**98.00**
6B19_1	**10**	**0.08**	**0.08**	0.08	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**98.00**
6B19_2	**10**	**0.45**	**0.45**	0.16	0.00	0.29	**0.00**	0.00	0.00	0.00	8.00	6.55	8.18	**65.48**
6B20	**10**	**0.47**	**0.47**	0.47	0.00	0.00	**0.00**	0.00	0.00	0.00	36.00	34.55	8.18	**98.00**
6B21	**10**	**0.33**	**0.33**	0.04	0.00	0.29	**0.00**	0.00	0.00	0.00	15.00	13.55	8.18	**58.18**
6B22	**10**	**0.19**	**0.19**	0.19	0.00	0.00	**0.00**	0.00	0.00	0.00	37.00	35.55	8.18	**98.00**
6B23	**10**	**0.11**	**0.11**	0.01	0.00	0.10	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**57.35**
6B23A	**10**	**0.08**	**0.08**	0.03	0.00	0.05	**0.00**	0.00	0.00	0.00	15.00	13.55	8.18	**66.17**
6B23B	**10**	**0.20**	**0.20**	0.20	0.00	0.00	**0.00**	0.00	0.00	0.00	37.00	35.55	8.18	**98.00**
6B24	**10**	**0.13**	**0.13**	0.13	0.00	0.00	**0.00**	0.00	0.00	0.00	36.00	34.55	8.18	**98.00**
6B25	**10**	**0.13**	**0.13**	0.13	0.00	0.00	**0.00**	0.00	0.00	0.00	39.00	37.55	8.18	**98.00**
6B26	**10**	**0.53**	**0.53**	0.53	0.00	0.00	**0.00**	0.00	0.00	0.00	38.00	36.55	8.18	**98.00**
6B27	**10**	**0.12**	**0.12**	0.06	0.00	0.06	**0.00**	0.00	0.00	0.00	18.00	16.55	8.18	**70.97**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

PRE-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 6 **SHGWT EL. (ft-NAVD): 1.45**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
6B28	10	0.39	0.39	0.39	0.00	0.00	0.00	0.00	0.00	0.00	39.00	37.55	8.18	98.00
6B29	10	0.24	0.24	0.02	0.00	0.22	0.00	0.00	0.00	0.00	33.00	31.55	8.18	57.15
6B30	10	0.47	0.47	0.47	0.00	0.00	0.00	0.00	0.00	0.00	41.00	39.55	8.18	98.00
6B31	10	0.57	0.57	0.57	0.00	0.00	0.00	0.00	0.00	0.00	40.00	38.55	8.18	98.00
6B32	10	0.23	0.23	0.07	0.00	0.16	0.00	0.00	0.00	0.00	40.00	38.55	8.18	63.73
6B34-OFFSITE	10	1.09	0.00	0.00	0.00	0.00	1.09	0.31	0.00	0.78	13.00	11.55	8.18	63.08
6B35-OFFSITE	10	2.15	0.00	0.00	0.00	0.00	2.15	0.07	0.00	2.08	13.00	11.55	8.18	55.82
6B36	10	0.22	0.22	0.22	0.00	0.00	0.00	0.00	0.00	0.00	11.00	9.55	8.18	98.00
6B37	10	0.18	0.18	0.18	0.00	0.00	0.00	0.00	0.00	0.00	10.00	8.55	8.18	98.00
6B39	10	0.07	0.07	0.07	0.00	0.00	0.00	0.00	0.00	0.00	10.00	8.55	8.18	98.00
6B41	10	0.20	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00	13.00	11.55	8.18	98.00
6B42-OFFSITE	10	0.40	0.00	0.00	0.00	0.00	0.40	0.13	0.00	0.27	10.00	8.55	8.18	64.43
6B43	10	0.11	0.11	0.11	0.00	0.00	0.00	0.00	0.00	0.00	13.00	11.55	8.18	98.00
6B44_1	10	0.15	0.15	0.15	0.00	0.00	0.00	0.00	0.00	0.00	12.00	10.55	8.18	98.00
6B44_2	10	0.36	0.36	0.36	0.00	0.00	0.00	0.00	0.00	0.00	27.00	25.55	8.18	98.00
6B46	10	0.16	0.16	0.16	0.00	0.00	0.00	0.00	0.00	0.00	10.00	8.55	8.18	98.00
6B48	10	0.23	0.23	0.23	0.00	0.00	0.00	0.00	0.00	0.00	9.00	7.55	8.18	98.00
6B50	10	0.20	0.20	0.11	0.00	0.09	0.00	0.00	0.00	0.00	9.00	7.55	8.18	73.09
6B51	10	0.55	0.55	0.25	0.00	0.30	0.00	0.00	0.00	0.00	6.00	4.55	8.18	69.15
6B53	10	0.43	0.43	0.43	0.00	0.00	0.00	0.00	0.00	0.00	10.00	8.55	8.18	98.00
6B55	10	0.35	0.35	0.35	0.00	0.00	0.00	0.00	0.00	0.00	23.00	21.55	8.18	98.00
6B56	10	0.26	0.26	0.05	0.00	0.21	0.00	0.00	0.00	0.00	20.00	18.55	8.18	60.22
6B57	10	0.12	0.12	0.09	0.00	0.03	0.00	0.00	0.00	0.00	31.00	29.55	8.18	83.02
6B58	10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	34.00	32.55	8.18	98.00
6B59	10	0.39	0.39	0.39	0.00	0.00	0.00	0.00	0.00	0.00	32.00	30.55	8.18	98.00
6B61	10	0.23	0.23	0.15	0.00	0.08	0.00	0.00	0.00	0.00	32.00	30.55	8.18	77.85
6B62	10	0.05	0.05	0.02	0.00	0.03	0.00	0.00	0.00	0.00	9.00	7.55	8.18	67.08
6B62A_1	10	0.21	0.21	0.21	0.00	0.00	0.00	0.00	0.00	0.00	7.00	5.55	8.18	98.00
6B62A_2	10	0.14	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00	7.00	5.55	8.18	98.00
6B68	10	0.56	0.56	0.26	0.00	0.30	0.00	0.00	0.00	0.00	8.00	6.55	8.18	69.53
6B69	10	0.30	0.30	0.17	0.00	0.13	0.00	0.00	0.00	0.00	14.00	12.55	8.18	73.83
6B70	10	0.18	0.18	0.14	0.00	0.04	0.00	0.00	0.00	0.00	21.00	19.55	8.18	84.62
6B72	10	0.13	0.13	0.13	0.00	0.00	0.00	0.00	0.00	0.00	36.00	34.55	8.18	98.00
6B74	10	0.32	0.32	0.32	0.00	0.00	0.00	0.00	0.00	0.00	24.00	22.55	8.18	98.00

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

PRE-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 6 **SHGWT EL. (ft-NAVD): 1.45**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
6B75	**10**	**0.15**	**0.15**	0.15	0.00	0.00	**0.00**	0.00	0.00	0.00	24.00	22.55	8.18	**98.00**
6B75A	**10**	**0.06**	**0.06**	0.06	0.00	0.00	**0.00**	0.00	0.00	0.00	23.00	21.55	8.18	**98.00**
6B75B	**10**	**0.09**	**0.09**	0.09	0.00	0.00	**0.00**	0.00	0.00	0.00	23.00	21.55	8.18	**98.00**
6B76	**10**	**0.21**	**0.21**	0.21	0.00	0.00	**0.00**	0.00	0.00	0.00	26.00	24.55	8.18	**98.00**
6B77	**10**	**0.19**	**0.19**	0.19	0.00	0.00	**0.00**	0.00	0.00	0.00	28.00	26.55	8.18	**98.00**
6B77A	**10**	**0.17**	**0.17**	0.17	0.00	0.00	**0.00**	0.00	0.00	0.00	33.00	31.55	8.18	**98.00**
6B78	**10**	**0.17**	**0.17**	0.17	0.00	0.00	**0.00**	0.00	0.00	0.00	32.00	30.55	8.18	**98.00**
6B78A	**10**	**0.31**	**0.31**	0.31	0.00	0.00	**0.00**	0.00	0.00	0.00	40.00	38.55	8.18	**98.00**
6B79	**10**	**0.08**	**0.08**	0.07	0.00	0.01	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**90.72**
6B81	**10**	**0.08**	**0.08**	0.08	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
6B82	**10**	**0.10**	**0.10**	0.10	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
6B83	**10**	**0.23**	**0.23**	0.22	0.00	0.01	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**96.57**
6B86	**10**	**0.12**	**0.12**	0.00	0.00	0.12	**0.00**	0.00	0.00	0.00	25.00	23.55	8.18	**55.01**
6B87	**10**	**0.16**	**0.16**	0.12	0.00	0.04	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**83.02**
POND 6E1	**10**	**1.26**	**1.26**	0.27	0.00	0.99	**0.00**	0.00	0.00	0.00	5.00	3.55	4.95	**72.00**
POND 6W1	**10**	**2.06**	**2.06**	0.35	0.00	1.71	**0.00**	0.00	0.00	0.00	5.00	3.55	4.95	**70.88**
SYSTEM TOTALS		**24.03**	**20.39**	**14.46**	**0.00**	**5.93**	**3.64**	**0.51**	**0.00**	**3.13**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 6 **SHGWT EL. (ft-NAVD): 1.45**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
6B01	**10**	**0.10**	**0.10**	0.10	0.00	0.00	**0.00**	0.00	0.00	0.00	14.00	12.55	8.18	**98.00**
6B03	**10**	**0.61**	**0.61**	0.61	0.00	0.00	**0.00**	0.00	0.00	0.00	17.00	15.55	8.18	**98.00**
6B04	**10**	**0.41**	**0.41**	0.41	0.00	0.00	**0.00**	0.00	0.00	0.00	17.00	15.55	8.18	**98.00**
6B07	**10**	**0.61**	**0.61**	0.61	0.00	0.00	**0.00**	0.00	0.00	0.00	25.00	23.55	8.18	**98.00**
6B08	**10**	**0.26**	**0.26**	0.26	0.00	0.00	**0.00**	0.00	0.00	0.00	27.00	25.55	8.18	**98.00**
6B09	**10**	**0.13**	**0.13**	0.13	0.00	0.00	**0.00**	0.00	0.00	0.00	28.00	26.55	8.18	**98.00**
6B10	**10**	**0.74**	**0.74**	0.74	0.00	0.00	**0.00**	0.00	0.00	0.00	30.00	28.55	8.18	**98.00**
6B11	**10**	**0.07**	**0.07**	0.00	0.00	0.07	**0.00**	0.00	0.00	0.00	30.00	28.55	8.18	**55.01**
6B14	**10**	**0.66**	**0.66**	0.66	0.00	0.00	**0.00**	0.00	0.00	0.00	32.00	30.55	8.18	**98.00**
POND 6W2	**10**	**0.34**	**0.34**	0.03	0.00	0.31	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**57.28**
6B17	**10**	**0.18**	**0.18**	0.18	0.00	0.00	**0.00**	0.00	0.00	0.00	36.00	34.55	8.18	**98.00**
6B18	**10**	**0.31**	**0.31**	0.31	0.00	0.00	**0.00**	0.00	0.00	0.00	36.00	34.55	8.18	**98.00**
6B19_1	**10**	**0.06**	**0.06**	0.06	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**98.00**
6B19_2	**10**	**0.37**	**0.37**	0.18	0.00	0.19	**0.00**	0.00	0.00	0.00	8.00	6.55	8.18	**70.42**
6B20	**10**	**0.65**	**0.65**	0.65	0.00	0.00	**0.00**	0.00	0.00	0.00	36.00	34.55	8.18	**98.00**
6B21	**10**	**0.15**	**0.15**	0.03	0.00	0.12	**0.00**	0.00	0.00	0.00	15.00	13.55	8.18	**60.44**
6B22	**10**	**0.26**	**0.26**	0.26	0.00	0.00	**0.00**	0.00	0.00	0.00	37.00	35.55	8.18	**98.00**
6B23	**10**	**0.05**	**0.05**	0.00	0.00	0.05	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**55.01**
6B23A	**10**	**0.01**	**0.01**	0.00	0.00	0.01	**0.00**	0.00	0.00	0.00	15.00	13.55	8.18	**55.01**
6B23B	**10**	**0.26**	**0.26**	0.26	0.00	0.00	**0.00**	0.00	0.00	0.00	37.00	35.55	8.18	**98.00**
6B24	**10**	**0.16**	**0.16**	0.16	0.00	0.00	**0.00**	0.00	0.00	0.00	36.00	34.55	8.18	**98.00**
6B25	**10**	**0.18**	**0.18**	0.18	0.00	0.00	**0.00**	0.00	0.00	0.00	39.00	37.55	8.18	**98.00**
6B26	**10**	**0.70**	**0.70**	0.70	0.00	0.00	**0.00**	0.00	0.00	0.00	38.00	36.55	8.18	**98.00**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 6 **SHGWT EL. (ft-NAVD): 1.45**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
6B28	**10**	**0.28**	**0.28**	0.28	0.00	0.00	**0.00**	0.00	0.00	0.00	39.00	37.55	8.18	**98.00**
6B29	**10**	**0.25**	**0.25**	0.25	0.00	0.00	**0.00**	0.00	0.00	0.00	33.00	31.55	8.18	**98.00**
6B30	**10**	**0.68**	**0.68**	0.68	0.00	0.00	**0.00**	0.00	0.00	0.00	41.00	39.55	8.18	**98.00**
6B31	**10**	**0.80**	**0.80**	0.80	0.00	0.00	**0.00**	0.00	0.00	0.00	40.00	38.55	8.18	**98.00**
6B34-OFFSITE	**10**	**1.03**	**0.00**	0.00	0.00	0.00	**1.03**	0.39	0.00	0.64	13.00	11.55	8.18	**66.30**
6B35-OFFSITE	**10**	**2.15**	**0.00**	0.00	0.00	0.00	**2.15**	0.00	0.00	2.15	13.00	11.55	8.18	**55.01**
6B36	**10**	**0.22**	**0.22**	0.22	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.55	8.18	**98.00**
6B37	**10**	**0.18**	**0.18**	0.18	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
6B39	**10**	**0.09**	**0.09**	0.09	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
6B41	**10**	**0.23**	**0.23**	0.23	0.00	0.00	**0.00**	0.00	0.00	0.00	13.00	11.55	8.18	**98.00**
6B42-OFFSITE	**10**	**0.38**	**0.00**	0.00	0.00	0.00	**0.38**	0.13	0.00	0.25	10.00	8.55	8.18	**65.01**
6B43	**10**	**0.10**	**0.10**	0.10	0.00	0.00	**0.00**	0.00	0.00	0.00	13.00	11.55	8.18	**98.00**
6B44_1	**10**	**0.14**	**0.14**	0.14	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.55	8.18	**98.00**
6B44_2	**10**	**0.40**	**0.40**	0.40	0.00	0.00	**0.00**	0.00	0.00	0.00	27.00	25.55	8.18	**98.00**
6B46	**10**	**0.17**	**0.17**	0.17	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
6B48	**10**	**0.31**	**0.31**	0.31	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**98.00**
6B50	**10**	**0.22**	**0.22**	0.19	0.00	0.03	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**89.96**
6B51	**10**	**0.47**	**0.47**	0.34	0.00	0.13	**0.00**	0.00	0.00	0.00	6.00	4.55	8.18	**81.55**
6B53	**10**	**0.61**	**0.61**	0.61	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
6B55	**10**	**0.40**	**0.40**	0.40	0.00	0.00	**0.00**	0.00	0.00	0.00	23.00	21.55	8.18	**98.00**
6B56	**10**	**0.12**	**0.12**	0.03	0.00	0.09	**0.00**	0.00	0.00	0.00	20.00	18.55	8.18	**61.98**
6B57	**10**	**0.12**	**0.12**	0.09	0.00	0.03	**0.00**	0.00	0.00	0.00	31.00	29.55	8.18	**83.02**
6B58	**10**	**0.14**	**0.14**	0.14	0.00	0.00	**0.00**	0.00	0.00	0.00	34.00	32.55	8.18	**98.00**
6B59	**10**	**0.42**	**0.42**	0.42	0.00	0.00	**0.00**	0.00	0.00	0.00	32.00	30.55	8.18	**98.00**
6B61	**10**	**0.18**	**0.18**	0.18	0.00	0.00	**0.00**	0.00	0.00	0.00	32.00	30.55	8.18	**98.00**
6B62	**10**	**0.02**	**0.02**	0.00	0.00	0.02	**0.00**	0.00	0.00	0.00	9.00	7.55	8.18	**55.01**
6B62A_1	**10**	**0.22**	**0.22**	0.22	0.00	0.00	**0.00**	0.00	0.00	0.00	7.00	5.55	8.18	**98.00**
6B62A_2	**10**	**0.14**	**0.14**	0.14	0.00	0.00	**0.00**	0.00	0.00	0.00	7.00	5.55	8.18	**98.00**
6B68	**10**	**0.57**	**0.57**	0.39	0.00	0.18	**0.00**	0.00	0.00	0.00	8.00	6.55	8.18	**79.47**
6B69	**10**	**0.27**	**0.27**	0.22	0.00	0.05	**0.00**	0.00	0.00	0.00	14.00	12.55	8.18	**86.84**
6B70	**10**	**0.16**	**0.16**	0.16	0.00	0.00	**0.00**	0.00	0.00	0.00	21.00	19.55	8.18	**98.00**
6B72	**10**	**0.13**	**0.13**	0.13	0.00	0.00	**0.00**	0.00	0.00	0.00	36.00	34.55	8.18	**98.00**
6B74	**10**	**0.33**	**0.33**	0.33	0.00	0.00	**0.00**	0.00	0.00	0.00	24.00	22.55	8.18	**98.00**
6B75	**10**	**0.15**	**0.15**	0.15	0.00	0.00	**0.00**	0.00	0.00	0.00	24.00	22.55	8.18	**98.00**
6B75A	**10**	**0.06**	**0.06**	0.06	0.00	0.00	**0.00**	0.00	0.00	0.00	23.00	21.55	8.18	**98.00**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 6 **SHGWT EL. (ft-NAVD): 1.45**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
6B75B	**10**	**0.09**	**0.09**	0.09	0.00	0.00	**0.00**	0.00	0.00	0.00	23.00	21.55	8.18	**98.00**
6B76	**10**	**0.21**	**0.21**	0.21	0.00	0.00	**0.00**	0.00	0.00	0.00	26.00	24.55	8.18	**98.00**
6B77	**10**	**0.21**	**0.21**	0.21	0.00	0.00	**0.00**	0.00	0.00	0.00	28.00	26.55	8.18	**98.00**
6B77A	**10**	**0.22**	**0.22**	0.22	0.00	0.00	**0.00**	0.00	0.00	0.00	33.00	31.55	8.18	**98.00**
6B78	**10**	**0.20**	**0.20**	0.20	0.00	0.00	**0.00**	0.00	0.00	0.00	32.00	30.55	8.18	**98.00**
6B78A	**10**	**0.31**	**0.31**	0.31	0.00	0.00	**0.00**	0.00	0.00	0.00	40.00	38.55	8.18	**98.00**
6B79	**10**	**0.09**	**0.09**	0.09	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
6B81	**10**	**0.09**	**0.09**	0.09	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
6B82	**10**	**0.08**	**0.08**	0.08	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
6B83	**10**	**0.21**	**0.21**	0.21	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**98.00**
6B86	**10**	**0.07**	**0.07**	0.00	0.00	0.07	**0.00**	0.00	0.00	0.00	25.00	23.55	8.18	**55.01**
6B87	**10**	**0.16**	**0.16**	0.15	0.00	0.01	**0.00**	0.00	0.00	0.00	10.00	8.55	8.18	**95.14**
SWALE 6E1	**10**	**1.35**	**1.35**	1.01	0.00	0.34	**0.00**	0.00	0.00	0.00	5.00	3.55	4.95	**88.92**
POND 6W1	**10**	**1.80**	**1.80**	0.58	0.00	1.22	**0.00**	0.00	0.00	0.00	5.00	3.55	4.95	**74.88**
SYSTEM TOTALS		**24.50**	**20.94**	**18.02**	**0.00**	**2.92**	**3.56**	**0.52**	**0.00**	**3.04**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY SUMMARY

Drainage System: ***6***

SYSTEM	SHGWT EL. (ft-NAVD)	TOTAL ONSITE AREA (Ac.) *[POST-DEV.]*	ONSITE IMPERVIOUS AREA (Ac.) *[POST-DEV.]*	ONSITE PERVIOUS AREA (Ac.) *[POST-DEV.]*	SFWMD 1" OVER TOTAL ONSITE AREA (Ac-ft)	SFWMD 2.5" OVER IMPERVIOUS AREA (Ac-ft)	[1] SFWMD WATER QUALITY TREATMENT REQUIRED FOR RETENTION (Ac-ft)	[2]DRER WATER QUALITY TREATMENT REQUIRED (Ac-ft)	[3]DRY- / WET-RETENTION TREATMENT VOLUME PROVIDED (Ac-ft)	FRENCH DRAIN TREATMENT VOLUME PROVIDED (Ac-ft)	TOTAL TREATMENT VOLUME PROVIDED (Ac-ft)	SFWMD SURPLUS TREATMENT VOLUME PROVIDED (Ac-ft)
6	1.45	20.94	18.02	2.92	1.75	3.75	**3.75**	**2.82**	0.76	7.99	**8.75**	**5.00**
SYSTEM TOTAL	1.45	20.94	18.02	2.92	1.75	3.75	**3.75**	**2.82**	0.76	7.99	**8.75**	**5.00**

[1]2.5" over Additional Impervious Area.

[2]See next page for water quality calculations by Miami-Dade Department of Regulatory and Economic Resources (DRER).

[3]Multiplied by 2 to account for 50% retention volume credit.

SWALE 6E1			POND 6W1			POND 6W2		
TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.45	0.00	--	2.45	0.29	--	-2.55	0.00	--
3.45	0.01	0.01	3.45	0.34	0.31	3.00	0.03	0.09
3.55	***0.05***	***0.01***	***3.55***	***0.34***	***0.35***	***3.55***	***0.05***	***0.02***
4.45	0.09	0.07	4.45	0.38	0.67	5.00	0.09	0.10
5.45	0.12	0.17	5.45	0.43	1.08	6.00	0.12	0.10
6.45	0.16	0.32	6.45	0.48	1.53	7.00	0.16	0.14
			7.45	0.53	2.03	8.00	0.20	0.18
			8.45	0.58	2.59	9.00	0.24	0.22
			9.45	0.63	3.19			

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY CALCULATIONS BY DRER

Drainage System: 6

AREA:

Onsite Impervious	**18.02**	Ac.	86%
Onsite Pervious	**2.92**	Ac.	14%
Total Area	**20.94**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.82 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV}) / A_T = \mathbf{0.82}$$

$t_{1"}$ = 11.23 min.

TOTAL TIME OF CONCENTRATION (T_T)

$$T_T = t_{1"} + Tc = 21.23 \text{ min.}$$

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.63 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ Q_{1"}\ T_T =$ **122621.57** **ft³** = **2.82** **ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS
VARIABLE GROUNDWATER CALCULATIONS

Drainage System: **6**

Stage = DHW + [PRG x (RF - DHW)]
See ADICPR Technical Design Guide 2-25

Elevation Conversion:	-1.55	ft.	(NGVD-NAVD)

DHW =	3.00	ft. - NGVD	Design High Water / October Average Groundwater Elevation
	1.45	ft. - NAVD	(MD PWD - W.C. 2.2)
RF =	4.00	ft. - NGVD	Return Frequency Groundwater Elevation / Average Yearly Highest Groundwater Level (AYH) (MD
	2.45	ft. - NAVD	PWD - W.C. 2.1)
PRG=	Variable		(Percentage Rise in Groundwater)

8HR DESIGN STORM DURATION		
TIME	PRG	STAGE
(hrs)	%	(ft-NAVD)
0	0.00	1.45
1	0.02	1.47
2	0.13	1.58
3	0.28	1.73
4	0.70	2.15
5	0.86	2.31
6	0.92	2.37
7	0.97	2.42
8	1.00	2.45
12	0.00	1.45

24HR DESIGN STORM DURATION		
TIME	PRG	STAGE
(hrs)	%	(ft-NAVD)
0.00	0.00	1.45
1.00	0.01	1.46
2.00	0.03	1.48
3.00	0.06	1.51
4.00	0.09	1.54
5.00	0.12	1.57
6.00	0.16	1.61
7.00	0.20	1.65
8.00	0.24	1.69
9.00	0.30	1.75
10.00	0.36	1.81
11.00	0.44	1.89
12.00	0.54	1.99
13.00	0.61	2.06
14.00	0.67	2.12
15.00	0.73	2.18
16.00	0.78	2.23
17.00	0.82	2.27
18.00	0.86	2.31
19.00	0.90	2.35
20.00	0.93	2.38
21.00	0.96	2.41
22.00	0.98	2.43
23.00	0.99	2.44
24.00	1.00	2.45
36.00	0.00	1.45

72HR DESIGN STORM DURATION		
TIME	PRG	STAGE
(hrs)	%	(ft-NAVD)
0.00	0.00	1.45
24.00	0.11	1.56
36.00	0.19	1.64
48.00	0.26	1.71
49.00	0.27	1.72
50.00	0.28	1.73
51.00	0.29	1.74
52.00	0.30	1.75
53.00	0.31	1.76
54.00	0.33	1.78
55.00	0.34	1.79
56.00	0.37	1.82
57.00	0.39	1.84
57.50	0.40	1.85
58.00	0.42	1.87
58.50	0.44	1.89
59.00	0.46	1.91
59.50	0.50	1.95
60.00	0.75	2.20
60.50	0.80	2.25
61.00	0.83	2.28
61.50	0.85	2.30
62.00	0.87	2.32
62.50	0.88	2.33
63.00	0.89	2.34
64.00	0.91	2.36
65.00	0.92	2.37
66.00	0.94	2.39
68.00	0.96	2.41
70.00	0.98	2.43
72.00	1.00	2.45
108.00	0.00	1.45

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

VARIABLE TAILWATER*

Drainage System: **6**

8HR DESIGN STORM DURATION		24HR DESIGN STORM DURATION		72HR DESIGN STORM DURATION	
TIME (hrs)	STAGE (ft-NGVD)	TIME (hrs)	STAGE (ft-NGVD)	TIME (hrs)	STAGE (ft-NGVD)
0.00	1.45	0.00	1.45	0.00	1.45
8.00	2.45	12.50	2.45	60.50	2.45
12.00	2.45	24.00	2.45	72.00	2.45
36.00	1.45	48.00	1.45	96.00	1.45

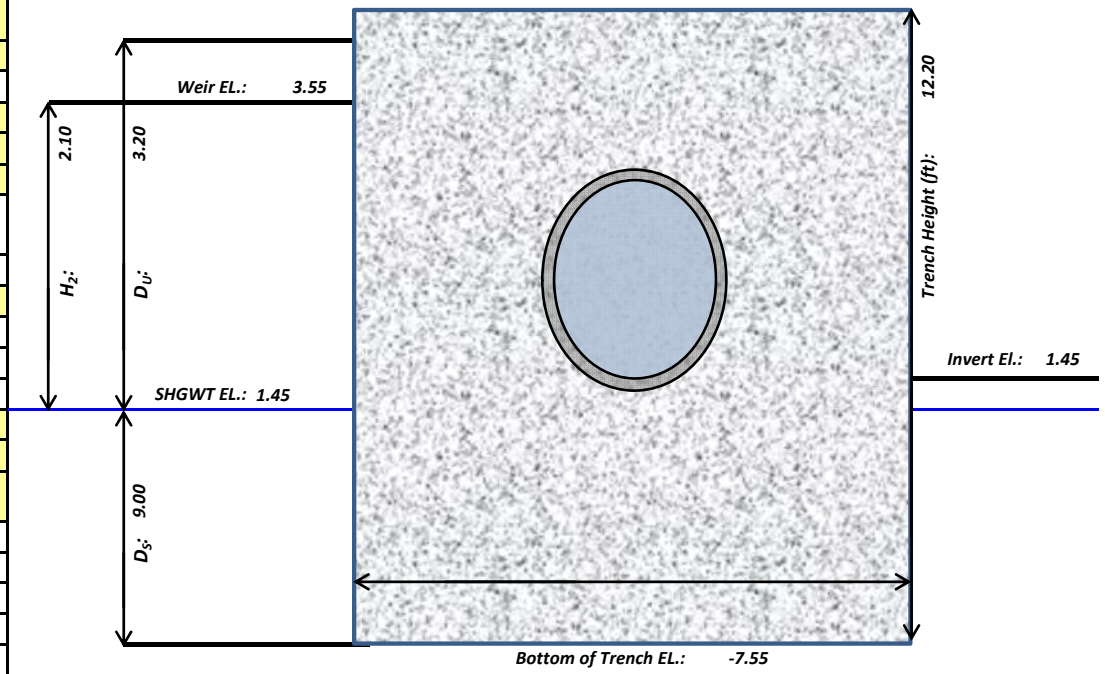
** Per SR 826 Palmetto Expressway Improvement SWM Permit No. 13-00791-S*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 6

French Drain (ICPR Link Name):	EX6S34_6GW0 / EX6S35_6GW0
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.45**
Pipe Size (in):	**24**
Effective Length of French Drain, *L* (LF):	**279.0**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, *L* (LF):	**139.50**
Pipe Thickness (in):	**3.00**
Pipe Invert EL. (ft-NAVD):	**1.45**
Top of Trench EL. (ft-NAVD):	4.65
Bottom of Trench EL. (ft-NAVD):	-7.55
Trench Height, H_T (ft):	12.20
Weir EL. (ft-NAVD):	3.55
Trench Width, *W* (ft):	4.50
Permit 13-02686-P Section 2 Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head):	**2.96E-03**
Depth to Water Table, H_2 (ft):	2.10
Non-Saturated Trench Depth, D_U (ft):	3.20
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	9.45
$2H_2D_U$:	13.44
D_U^2:	10.24
$2H_2D_S$:	37.80
$(1.39x10^{-4})WD_U$:	0.002002
d_2:	3.40
d_3:	0.00
K_{10}:	2.96E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	**N/A***
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	**17.21**
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**1.43**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 6

French Drain (ICPR Link Name): **EX6S34_6GW0 / EX6S35_6GW0**

Existing/Proposed: **Existing**

Pipe Size (in): **24**

1 /2 Length of French Drain, *L* (LF) * : **69.75**

Trench Height, H_T (ft): **12.20**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.960E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **4.65**

Bottom of Trench EL. (ft-NAVD): **-7.55**

Weir EL. (ft-NAVD): **3.55**

Upstream Structure Rim/Grate EL. (ft-NAVD): **9.71**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage EL. (ft-NAVD): ***12.45***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.65**	3.20	5.60	3.20	0.13640	**9.5137**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**12.45**	3.20	5.60	11.00	0.15000	**10.4625**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.65**	1.71	6.60	1.71	0.07547	**5.2639**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**12.45**	1.71	6.60	9.51	0.15000	**10.4625**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

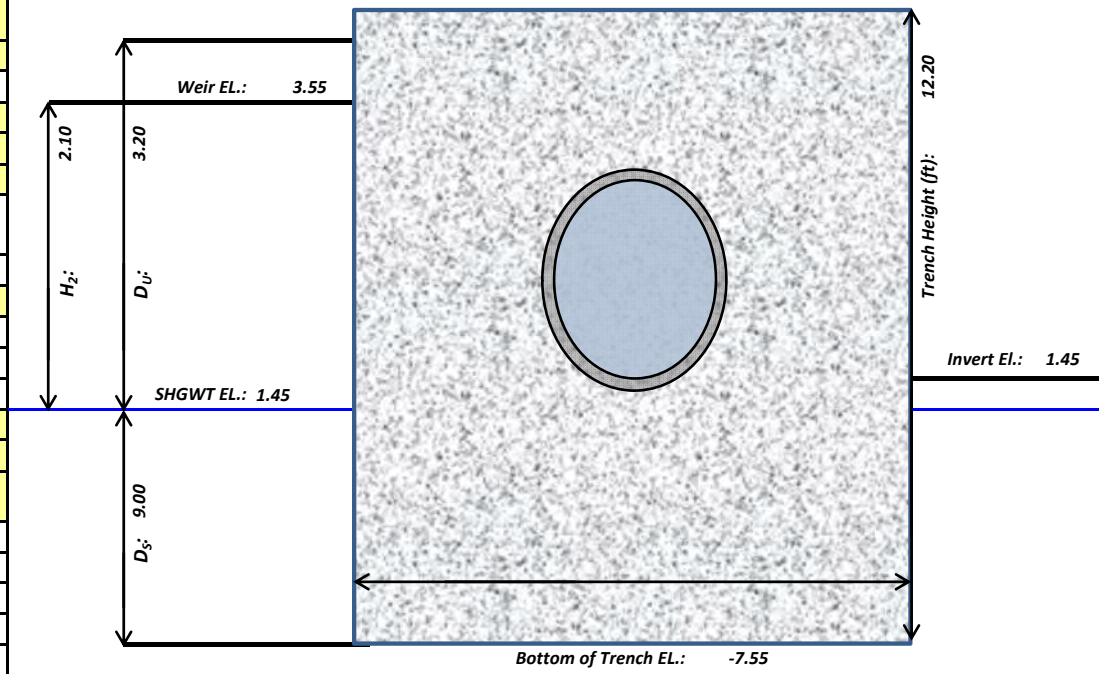
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.65**	**9.5137**
1.45	**12.45**	**10.4625**
2.94	**2.94**	**0.0000**
2.94	**4.65**	**5.2639**
2.94	**12.45**	**10.4625**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 6

French Drain (ICPR Link Name):	PR6S34_6GW0 / PR6S35_6GW0
Existing/Proposed:	**Proposed**
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	279.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	139.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	4.65
Bottom of Trench EL. (ft-NAVD):	-7.55
Trench Height, H_T (ft):	12.20
Weir EL. (ft-NAVD):	3.55
Trench Width, W (ft):	4.50
Permit 13-02686-P Section 2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.96E-03
Depth to Water Table, H_2 (ft):	2.10
Non-Saturated Trench Depth, D_U (ft):	3.20
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	9.45
$2H_2D_U$:	13.44
D_U^2:	10.24
$2H_2D_S$:	37.80
$(1.39x10^{-4})WD_U$:	0.002002
d_2:	3.40
d_3:	0.00
K_{10}:	2.96E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	17.21
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**1.43**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 6

French Drain (ICPR Link Name): **PR6S34_6GW0 / PR6S35_6GW0**

Existing/Proposed: **Proposed**

Pipe Size (in): **24**

1 /2 Length of French Drain, *L* (LF) * : **69.75**

Trench Height, H_T (ft): **12.20**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.960E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **4.65**

Bottom of Trench EL. (ft-NAVD): **-7.55**

Weir EL. (ft-NAVD): **3.55**

Upstream Structure Rim/Grate EL. (ft-NAVD): **9.70**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage EL. (ft-NAVD): ***12.45***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.65**	3.20	5.60	3.20	0.13640	**9.5137**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**12.45**	3.20	5.60	11.00	0.15000	**10.4625**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.65**	1.71	6.60	1.71	0.07547	**5.2639**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**12.45**	1.71	6.60	9.51	0.15000	**10.4625**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

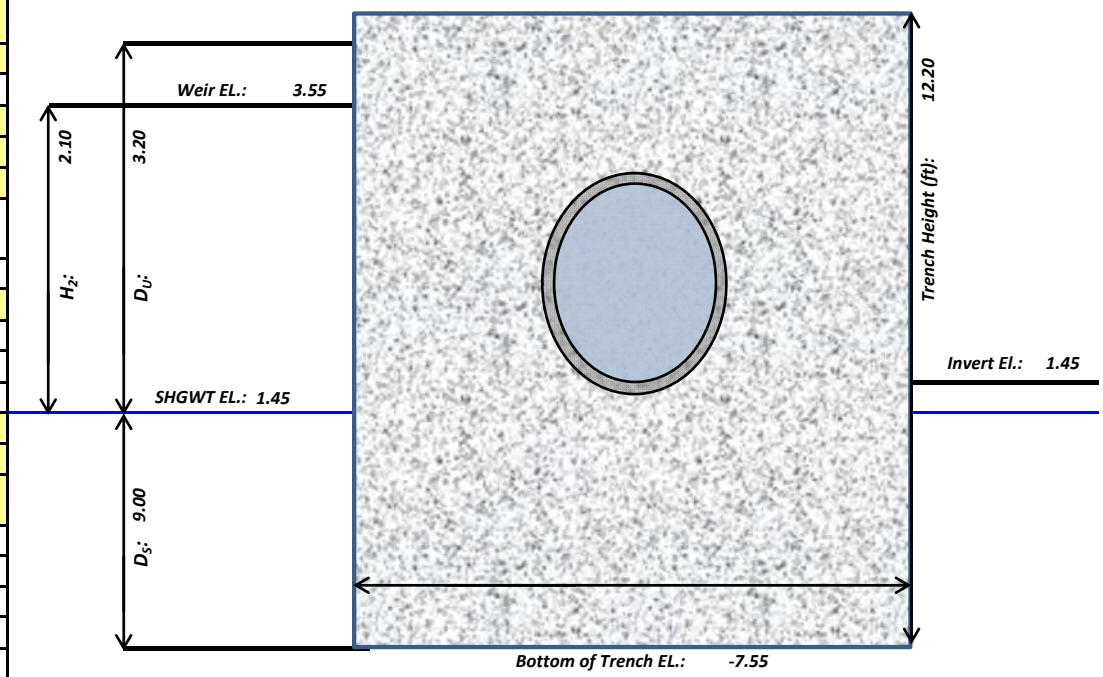
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.65**	**9.5137**
1.45	**12.45**	**10.4625**
2.94	**2.94**	**0.0000**
2.94	**4.65**	**5.2639**
2.94	**12.45**	**10.4625**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 6

French Drain (ICPR Link Name):	**EX6S35_6GW1 / EX6S37_6GW1**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.45**
Pipe Size (in):	**24**
Effective Length of French Drain, *L* (LF):	**279.0**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, *L* (LF):	**139.50**
Pipe Thickness (in):	**3.00**
Pipe Invert EL. (ft-NAVD):	**1.45**
Top of Trench EL. (ft-NAVD):	4.65
Bottom of Trench EL. (ft-NAVD):	-7.55
Trench Height, H_T (ft):	12.20
Weir EL. (ft-NAVD):	3.55
Trench Width, *W* (ft):	4.50
Permit 13-02686-P Section 2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**2.96E-03**
Depth to Water Table, H_2 (ft):	2.10
Non-Saturated Trench Depth, D_U (ft):	3.20
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	9.45
$2H_2D_U$:	13.44
D_U^2:	10.24
$2H_2D_S$:	37.80
$(1.39x10^{-4})WD_U$:	0.002002
d_2:	3.40
d_3:	0.00
K_{10}:	2.96E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	**N/A***
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	**17.21**
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**1.43**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 6

French Drain (ICPR Link Name): **EX6S35_6GW1 / EX6S37_6GW1**

Existing/Proposed: **Existing**

Pipe Size (in): **24**

1 /2 Length of French Drain, *L* (LF) * : **69.75**

Trench Height, H_T (ft): **12.20**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.960E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **4.65**

Bottom of Trench EL. (ft-NAVD): **-7.55**

Weir EL. (ft-NAVD): **3.55**

Upstream Structure Rim/Grate EL. (ft-NAVD): **9.55**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage EL. (ft-NAVD): ***12.45***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.65**	3.20	5.60	3.20	0.13640	**9.5137**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**12.45**	3.20	5.60	11.00	0.15000	**10.4625**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.65**	1.71	6.60	1.71	0.07547	**5.2639**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**12.45**	1.71	6.60	9.51	0.15000	**10.4625**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

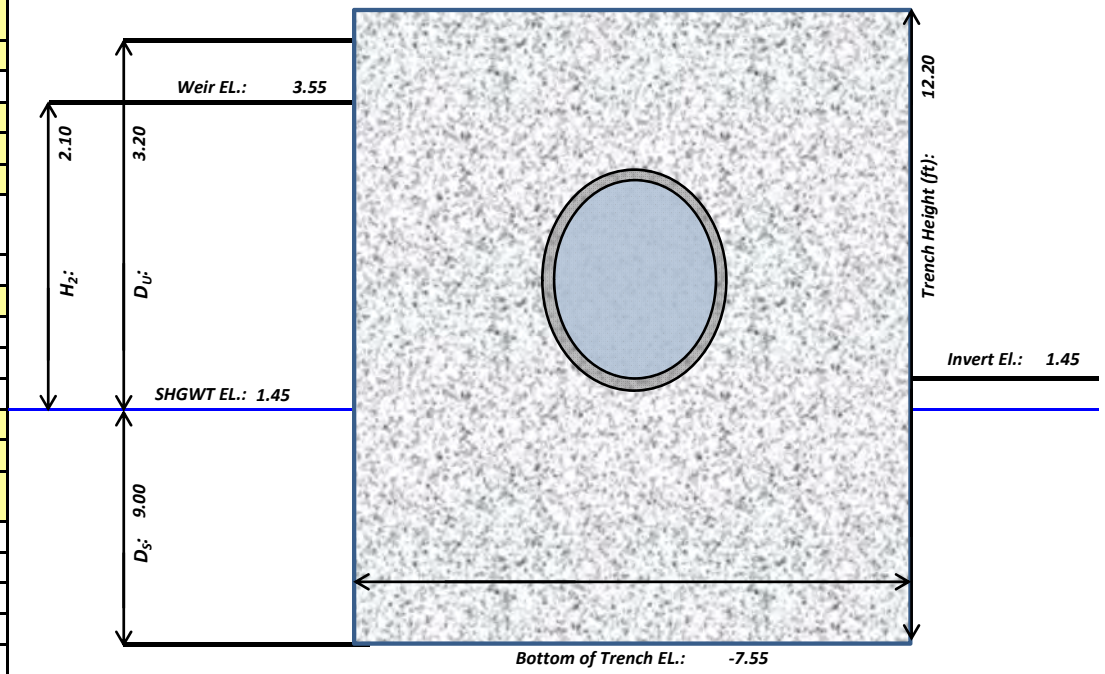
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.65**	**9.5137**
1.45	**12.45**	**10.4625**
2.94	**2.94**	**0.0000**
2.94	**4.65**	**5.2639**
2.94	**12.45**	**10.4625**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 6

French Drain (ICPR Link Name):	PR6S35_6GW1 / PR6S37_6GW1
Existing/Proposed:	**Proposed**
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	279.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	139.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	4.65
Bottom of Trench EL. (ft-NAVD):	-7.55
Trench Height, H_T (ft):	12.20
Weir EL. (ft-NAVD):	3.55
Trench Width, W (ft):	4.50
Permit 13-02686-P Section 2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.96E-03
Depth to Water Table, H_2 (ft):	2.10
Non-Saturated Trench Depth, D_U (ft):	3.20
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	9.45
$2H_2D_U$:	13.44
D_U^2:	10.24
$2H_2D_S$:	37.80
$(1.39x10^{-4})WD_U$:	0.002002
d_2:	3.40
d_3:	0.00
K_{10}:	2.96E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	17.21
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**1.43**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 6

French Drain (ICPR Link Name): **PR6S35_6GW1 / PR6S37_6GW1**

Existing/Proposed: **Proposed**

Pipe Size (in): **24**

1 /2 Length of French Drain, *L* (LF) * : **69.75**

Trench Height, H_T (ft): **12.20**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.960E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **4.65**

Bottom of Trench EL. (ft-NAVD): **-7.55**

Weir EL. (ft-NAVD): **3.55**

Upstream Structure Rim/Grate EL. (ft-NAVD): **9.70**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage EL. (ft-NAVD): ***12.45***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.65**	3.20	5.60	3.20	0.13640	**9.5137**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**12.45**	3.20	5.60	11.00	0.15000	**10.4625**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.65**	1.71	6.60	1.71	0.07547	**5.2639**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**12.45**	1.71	6.60	9.51	0.15000	**10.4625**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

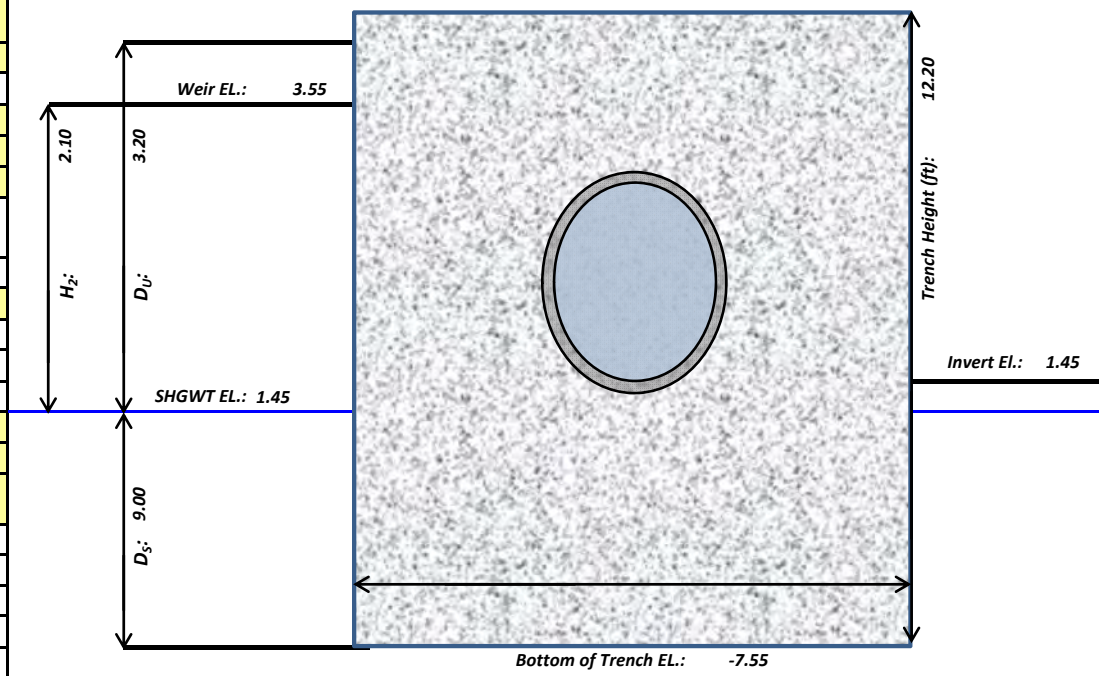
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.65**	**9.5137**
1.45	**12.45**	**10.4625**
2.94	**2.94**	**0.0000**
2.94	**4.65**	**5.2639**
2.94	**12.45**	**10.4625**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 6

French Drain (ICPR Link Name):	EX6S42_6GW1 / EX6S42A_6GW1
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	100.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	50.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	4.65
Bottom of Trench EL. (ft-NAVD):	-7.55
Trench Height, H_T (ft):	12.20
Weir EL. (ft-NAVD):	3.55
Trench Width, W (ft):	4.50
Permit 13-02686-P Section 2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.96E-03
Depth to Water Table, H_2 (ft):	2.10
Non-Saturated Trench Depth, D_U (ft):	3.20
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	9.45
$2H_2D_U$:	13.44
D_U^2:	10.24
$2H_2D_S$:	37.80
$(1.39x10^{-4})WD_U$:	0.002002
d_2:	3.40
d_3:	0.00
K_{10}:	2.96E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	6.17
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.51**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 6

French Drain (ICPR Link Name): **EX6S42_6GW1 / EX6S42A_6GW1**

Existing/Proposed: **Existing**

Pipe Size (in): **24**

1 /2 Length of French Drain, *L* (LF) * : **25.00**

Trench Height, H_T (ft): **12.20**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.960E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **4.65**

Bottom of Trench EL. (ft-NAVD): **-7.55**

Weir EL. (ft-NAVD): **3.55**

Upstream Structure Rim/Grate EL. (ft-NAVD): **8.45**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage EL. (ft-NAVD): ***8.45***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.65**	3.20	5.60	3.20	0.13640	**3.4099**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**8.45**	3.20	5.60	7.00	0.15000	**3.7500**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.65**	1.71	6.60	1.71	0.07547	**1.8867**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**8.45**	1.71	6.60	5.51	0.15000	**3.7500**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

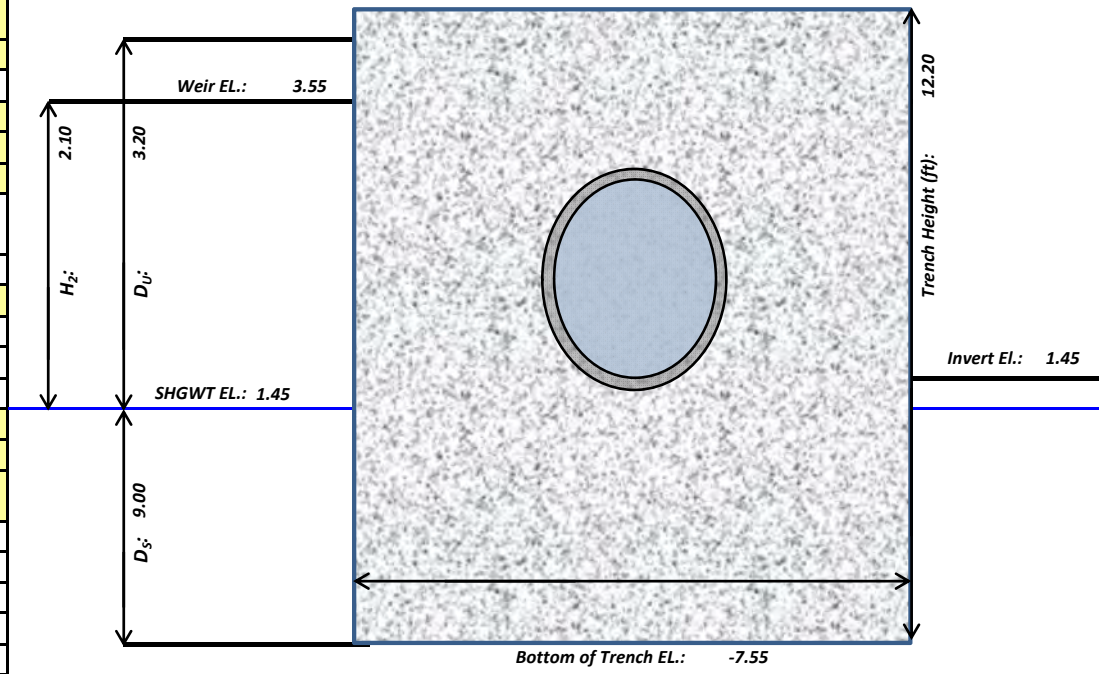
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.65**	**3.4099**
1.45	**8.45**	**3.7500**
2.94	**2.94**	**0.0000**
2.94	**4.65**	**1.8867**
2.94	**8.45**	**3.7500**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 6

French Drain (ICPR Link Name):	PR6S42_6GW1 / PR6S42A_6GW1
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	100.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	50.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	4.65
Bottom of Trench EL. (ft-NAVD):	-7.55
Trench Height, H_T (ft):	12.20
Weir EL. (ft-NAVD):	3.55
Trench Width, W (ft):	4.50
Permit 13-02686-P Section 2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.96E-03
Depth to Water Table, H_2 (ft):	2.10
Non-Saturated Trench Depth, D_U (ft):	3.20
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	9.45
$2H_2D_U$:	13.44
D_U^2:	10.24
$2H_2D_S$:	37.80
$(1.39x10^{-4})WD_U$:	0.002002
d_2:	3.40
d_3:	0.00
K_{10}:	2.96E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	6.17
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.51**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 6

French Drain (ICPR Link Name): **PR6S42_6GW1 / PR6S42A_6GW1**

Existing/Proposed: **Proposed**

Pipe Size (in): **24**

1 /2 Length of French Drain, *L* (LF) * : **25.00**

Trench Height, H_T (ft): **12.20**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.960E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **4.65**

Bottom of Trench EL. (ft-NAVD): **-7.55**

Weir EL. (ft-NAVD): **3.55**

Upstream Structure Rim/Grate EL. (ft-NAVD): **8.45**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage EL. (ft-NAVD): ***8.45***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.65**	3.20	5.60	3.20	0.13640	**3.4099**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**8.45**	3.20	5.60	7.00	0.15000	**3.7500**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.65**	1.71	6.60	1.71	0.07547	**1.8867**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**8.45**	1.71	6.60	5.51	0.15000	**3.7500**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

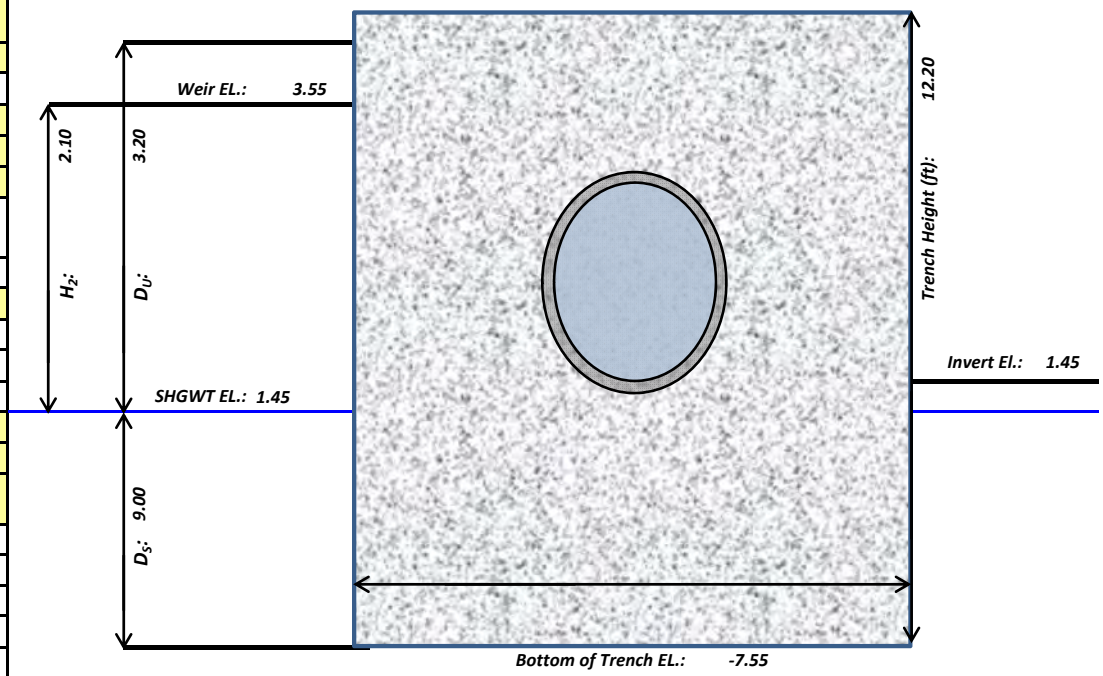
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.65**	**3.4099**
1.45	**8.45**	**3.7500**
2.94	**2.94**	**0.0000**
2.94	**4.65**	**1.8867**
2.94	**8.45**	**3.7500**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 6

French Drain (ICPR Link Name):	EX6S46_6GW2 / EX6S48_6GW2
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	179.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	89.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	4.65
Bottom of Trench EL. (ft-NAVD):	-7.55
Trench Height, H_T (ft):	12.20
Weir EL. (ft-NAVD):	3.55
Trench Width, W (ft):	4.50
Permit 13-02686-P Section 2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.96E-03
Depth to Water Table, H_2 (ft):	2.10
Non-Saturated Trench Depth, D_U (ft):	3.20
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	9.45
$2H_2D_U$:	13.44
D_U^2:	10.24
$2H_2D_S$:	37.80
$(1.39x10^{-4})WD_U$:	0.002002
d_2:	3.40
d_3:	0.00
K_{10}:	2.96E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	11.04
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.92**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 6

French Drain (ICPR Link Name): **EX6S46_6GW2 / EX6S48_6GW2**

Existing/Proposed: **Existing**

Pipe Size (in): **24**

1 /2 Length of French Drain, *L* (LF) * : **44.75**

Trench Height, H_T (ft): **12.20**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.960E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **4.65**

Bottom of Trench EL. (ft-NAVD): **-7.55**

Weir EL. (ft-NAVD): **3.55**

Upstream Structure Rim/Grate EL. (ft-NAVD): **9.94**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage EL. (ft-NAVD): ***8.82***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.65**	3.20	5.60	3.20	0.13640	**6.1038**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**8.82**	3.20	5.60	7.37	0.15000	**6.7125**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.65**	1.71	6.60	1.71	0.07547	**3.3772**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**8.82**	1.71	6.60	5.88	0.15000	**6.7125**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

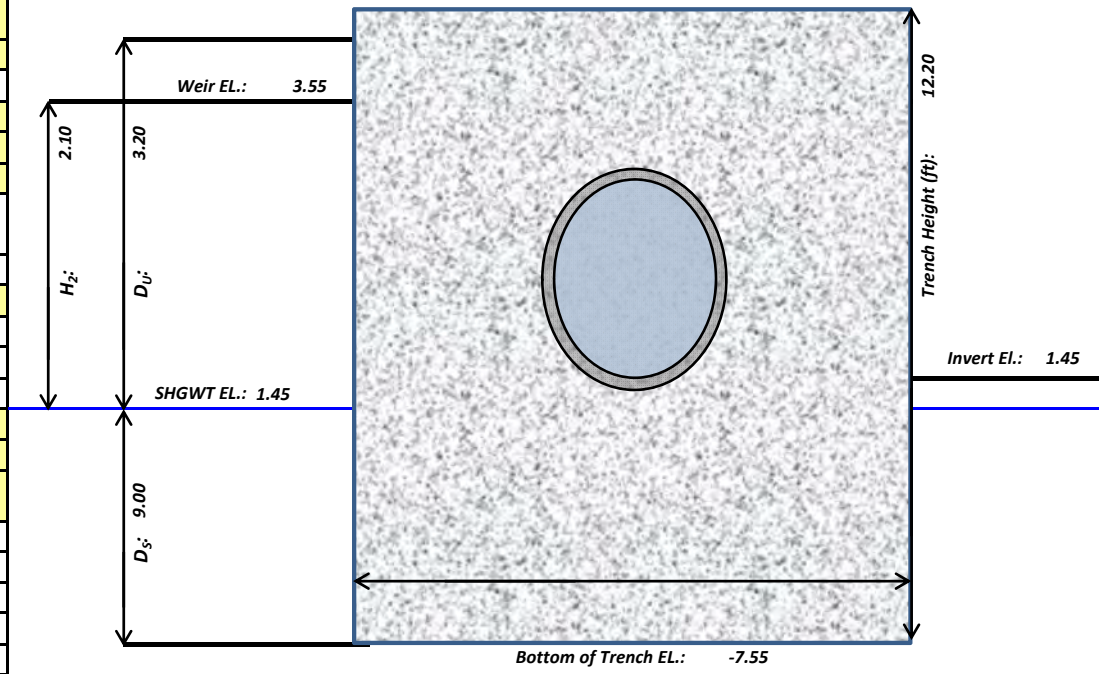
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.65**	**6.1038**
1.45	**8.82**	**6.7125**
2.94	**2.94**	**0.0000**
2.94	**4.65**	**3.3772**
2.94	**8.82**	**6.7125**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 6

French Drain (ICPR Link Name):	PR6S46A_6GW2 / PR6S46A1_6GW2
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	292.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	146.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	4.65
Bottom of Trench EL. (ft-NAVD):	-7.55
Trench Height, H_T (ft):	12.20
Weir EL. (ft-NAVD):	3.55
Trench Width, W (ft):	4.50
Permit 13-02686-P Section 2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.96E-03
Depth to Water Table, H_2 (ft):	2.10
Non-Saturated Trench Depth, D_U (ft):	3.20
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	9.45
$2H_2D_U$:	13.44
D_U^2:	10.24
$2H_2D_S$:	37.80
$(1.39x10^{-4})WD_U$:	0.002002
d_2:	3.40
d_3:	0.00
K_{10}:	2.96E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	18.01
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**1.50**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 6

French Drain (ICPR Link Name): **PR6S46A_6GW2 / PR6S46A1_6GW2**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **73.00**

Trench Height, H_T (ft): **12.20**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.960E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **4.65**

Bottom of Trench EL. (ft-NAVD): **-7.55**

Weir EL. (ft-NAVD): **3.55**

Upstream Structure Rim/Grate EL. (ft-NAVD): **6.00**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage EL. (ft-NAVD): ***6.00***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.65**	3.20	5.60	3.20	0.13640	**9.9570**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**6.00**	3.20	5.60	4.55	0.15000	**10.9500**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.65**	1.71	6.60	1.71	0.07547	**5.5092**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**6.00**	1.71	6.60	3.06	0.14188	**10.3574**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

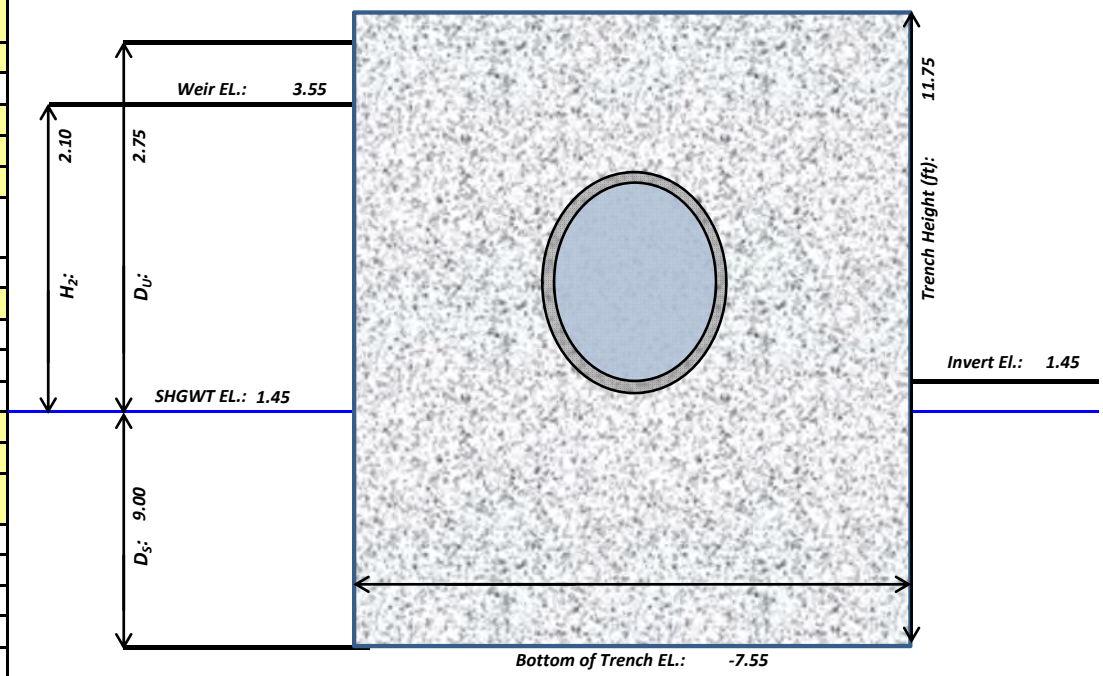
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.65**	**9.9570**
1.45	**6.00**	**10.9500**
2.94	**2.94**	**0.0000**
2.94	**4.65**	**5.5092**
2.94	**6.00**	**10.3574**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 6

French Drain (ICPR Link Name):	EX6S48_6GW2A / EX6S87_6GW2A
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	134.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	67.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	4.20
Bottom of Trench EL. (ft-NAVD):	-7.55
Trench Height, H_T (ft):	11.75
Weir EL. (ft-NAVD):	3.55
Trench Width, W (ft):	4.50
Permit 13-02686-P Section 2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.96E-03
Depth to Water Table, H_2 (ft):	2.10
Non-Saturated Trench Depth, D_U (ft):	2.75
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	9.45
$2H_2D_U$:	11.55
D_U^2:	7.56
$2H_2D_S$:	37.80
$(1.39x10^{-4})WD_U$:	0.001720
d_2:	3.40
d_3:	0.00
K_{10}:	2.96E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	8.40
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.70**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 6

French Drain (ICPR Link Name): **EX6S48_6GW2A / EX6S87_6GW2A**

Existing/Proposed: **Existing**

Pipe Size (in): **24**

1 /2 Length of French Drain, *L* (LF) * : **33.50**

Trench Height, H_T (ft): **11.75**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.960E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **4.20**

Bottom of Trench EL. (ft-NAVD): **-7.55**

Weir EL. (ft-NAVD): **3.55**

Upstream Structure Rim/Grate EL. (ft-NAVD): **8.82**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage EL. (ft-NAVD): ***8.82***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.20**	2.75	5.60	2.75	0.11355	**3.8040**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**8.82**	2.75	5.60	7.37	0.15000	**5.0250**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.20**	1.26	6.60	1.26	0.05393	**1.8067**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**8.82**	1.26	6.60	5.88	0.15000	**5.0250**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

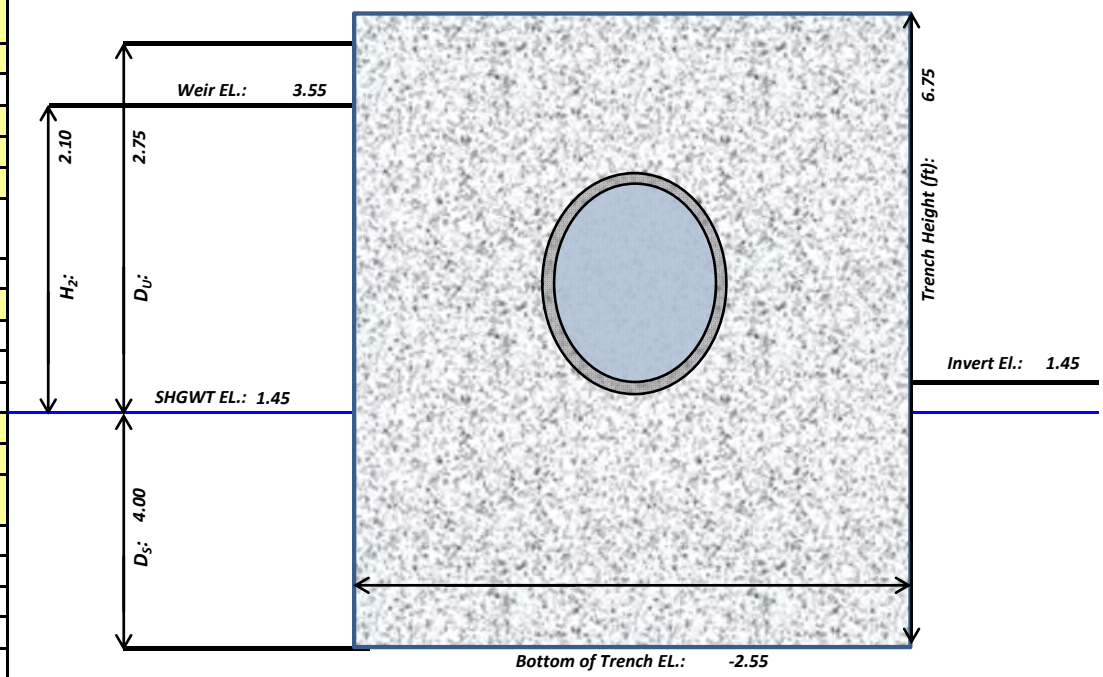
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.20**	**3.8040**
1.45	**8.82**	**5.0250**
2.94	**2.94**	**0.0000**
2.94	**4.20**	**1.8067**
2.94	**8.82**	**5.0250**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 6

French Drain (ICPR Link Name):	**EX6S82_6GW3 / EX6S81_6GW3**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.45**
Pipe Size (in):	**24**
Effective Length of French Drain, *L* (LF):	**135.5**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, *L* (LF):	**67.75**
Pipe Thickness (in):	**3.00**
Pipe Invert EL. (ft-NAVD):	**1.45**
Top of Trench EL. (ft-NAVD):	4.20
Bottom of Trench EL. (ft-NAVD):	-2.55
Trench Height, H_T (ft):	6.75
Weir EL. (ft-NAVD):	**3.55**
Trench Width, *W* (ft):	4.50
Permit 13-02686-P Section 2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**2.96E-03**
Depth to Water Table, H_2 (ft):	2.10
Non-Saturated Trench Depth, D_U (ft):	2.75
Saturated Trench Depth, D_S (ft):	4.00
H_2W:	9.45
$2H_2D_U$:	11.55
D_U^2:	7.56
$2H_2D_S$:	16.80
$(1.39x10^{-4})WD_U$:	0.001720
d_2:	0.00
d_3:	0.00
K_{10}:	2.96E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	**N/A***
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	**4.29**
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**0.36**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 6

French Drain (ICPR Link Name): **EX6S82_6GW3 / EX6S81_6GW3**

Existing/Proposed: **Existing**

Pipe Size (in): **24**

1 /2 Length of French Drain, *L* (LF) * : **33.88**

Trench Height, H_T (ft): **6.75**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.960E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **4.20**

Bottom of Trench EL. (ft-NAVD): **-2.55**

Weir EL. (ft-NAVD): **3.55**

Upstream Structure Rim/Grate EL. (ft-NAVD): **9.39**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage EL. (ft-NAVD): ***9.89***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.20**	2.75	4.00	2.75	0.08751	**2.9642**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**9.89**	2.75	4.00	8.44	0.15000	**5.0813**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.20**	1.26	5.00	1.26	0.04200	**1.4226**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**9.89**	1.26	5.00	6.95	0.15000	**5.0813**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

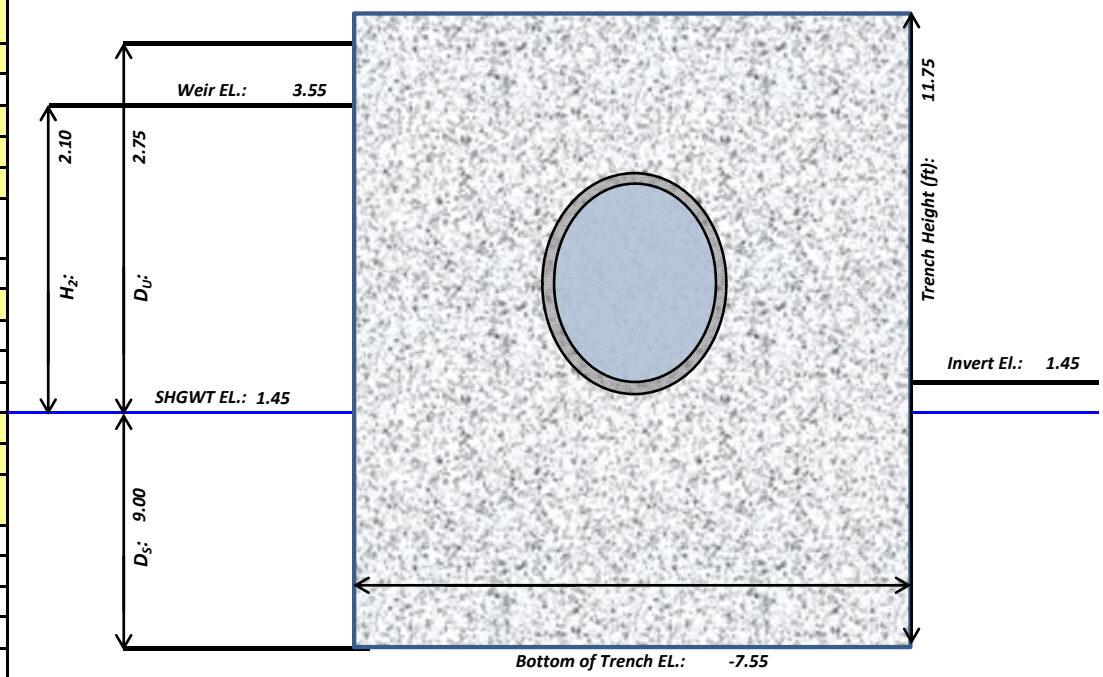
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.20**	**2.9642**
1.45	**9.89**	**5.0813**
2.94	**2.94**	**0.0000**
2.94	**4.20**	**1.4226**
2.94	**9.89**	**5.0813**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 6

French Drain (ICPR Link Name):	**EX6S15_6GW3 / EX6S21_6GW3**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.45**
Pipe Size (in):	**24**
Effective Length of French Drain, *L* (LF):	**196.0**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, *L* (LF):	**98.00**
Pipe Thickness (in):	**3.00**
Pipe Invert EL. (ft-NAVD):	**1.45**
Top of Trench EL. (ft-NAVD):	4.20
Bottom of Trench EL. (ft-NAVD):	-7.55
Trench Height, H_T (ft):	11.75
Weir EL. (ft-NAVD):	3.55
Trench Width, *W* (ft):	4.50
Permit 13-02686-P Section 2 Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head):	**2.96E-03**
Depth to Water Table, H_2 (ft):	2.10
Non-Saturated Trench Depth, D_U (ft):	2.75
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	9.45
$2H_2D_U$:	11.55
D_U^2:	7.56
$2H_2D_S$:	37.80
$(1.39x10^{-4})WD_U$:	0.001720
d_2:	3.40
d_3:	0.00
K_{10}:	2.96E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	**N/A***
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	**12.29**
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**1.02**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 6

French Drain (ICPR Link Name): **EX6S15_6GW3 / EX6S21_6GW3**

Existing/Proposed: **Existing**

Pipe Size (in): **24**

1 /2 Length of French Drain, *L* (LF) * : **49.00**

Trench Height, H_T (ft): **11.75**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.960E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **4.20**

Bottom of Trench EL. (ft-NAVD): **-7.55**

Weir EL. (ft-NAVD): **3.55**

Upstream Structure Rim/Grate EL. (ft-NAVD): **10.50**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage EL. (ft-NAVD): ***9.45***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.20**	2.75	5.60	2.75	0.11355	**5.5641**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**9.45**	2.75	5.60	8.00	0.15000	**7.3500**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.20**	1.26	6.60	1.26	0.05393	**2.6426**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**9.45**	1.26	6.60	6.51	0.15000	**7.3500**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

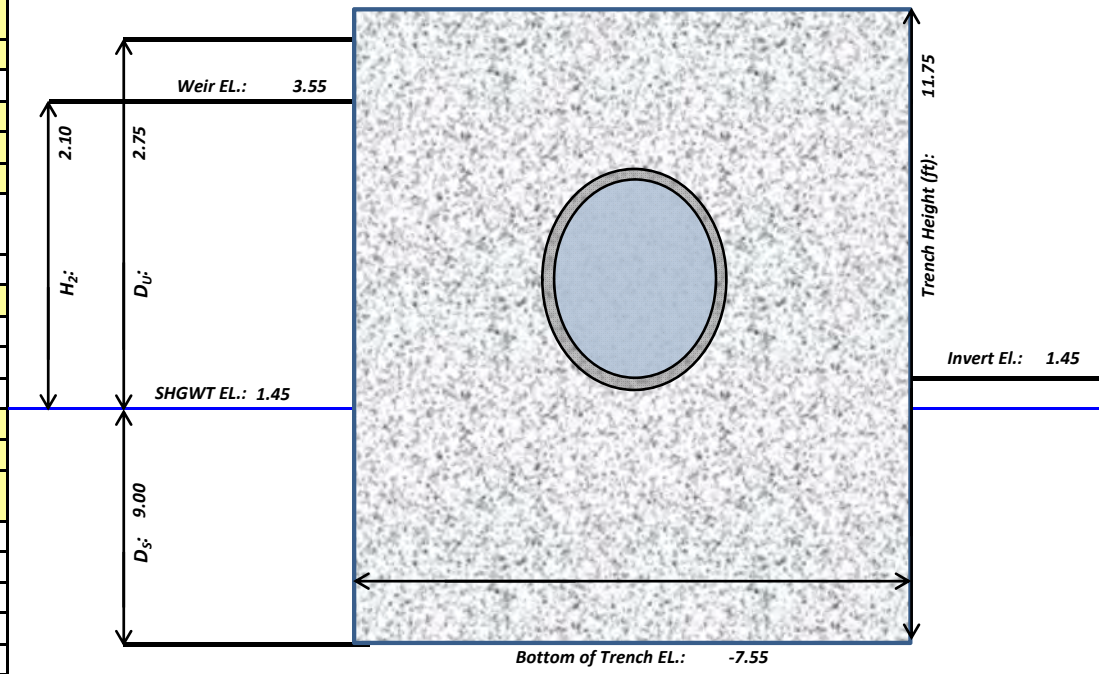
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.20**	**5.5641**
1.45	**9.45**	**7.3500**
2.94	**2.94**	**0.0000**
2.94	**4.20**	**2.6426**
2.94	**9.45**	**7.3500**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 6

French Drain (ICPR Link Name):	PR6S21_6GW3 / PR6S56A_6GW3
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	394.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	197.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	4.20
Bottom of Trench EL. (ft-NAVD):	-7.55
Trench Height, H_T (ft):	11.75
Weir EL. (ft-NAVD):	3.55
Trench Width, W (ft):	4.50
Permit 13-02686-P Section 2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.96E-03
Depth to Water Table, H_2 (ft):	2.10
Non-Saturated Trench Depth, D_U (ft):	2.75
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	9.45
$2H_2D_U$:	11.55
D_U^2:	7.56
$2H_2D_S$:	37.80
$(1.39x10^{-4})WD_U$:	0.001720
d_2:	3.40
d_3:	0.00
K_{10}:	2.96E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	24.71
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**2.06**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 6

French Drain (ICPR Link Name): **PR6S21_6GW3 / PR6S56A_6GW3**

Existing/Proposed: **Proposed**

Pipe Size (in): **24**

1 /2 Length of French Drain, *L* (LF) * : **98.50**

Trench Height, H_T (ft): **11.75**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.960E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **4.20**

Bottom of Trench EL. (ft-NAVD): **-7.55**

Weir EL. (ft-NAVD): **3.55**

Upstream Structure Rim/Grate EL. (ft-NAVD): **20.00**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage EL. (ft-NAVD): ***9.00***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.20**	2.75	5.60	2.75	0.11355	**11.1850**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**9.00**	2.75	5.60	7.55	0.15000	**14.7750**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.20**	1.26	6.60	1.26	0.05393	**5.3121**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**9.00**	1.26	6.60	6.06	0.15000	**14.7750**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

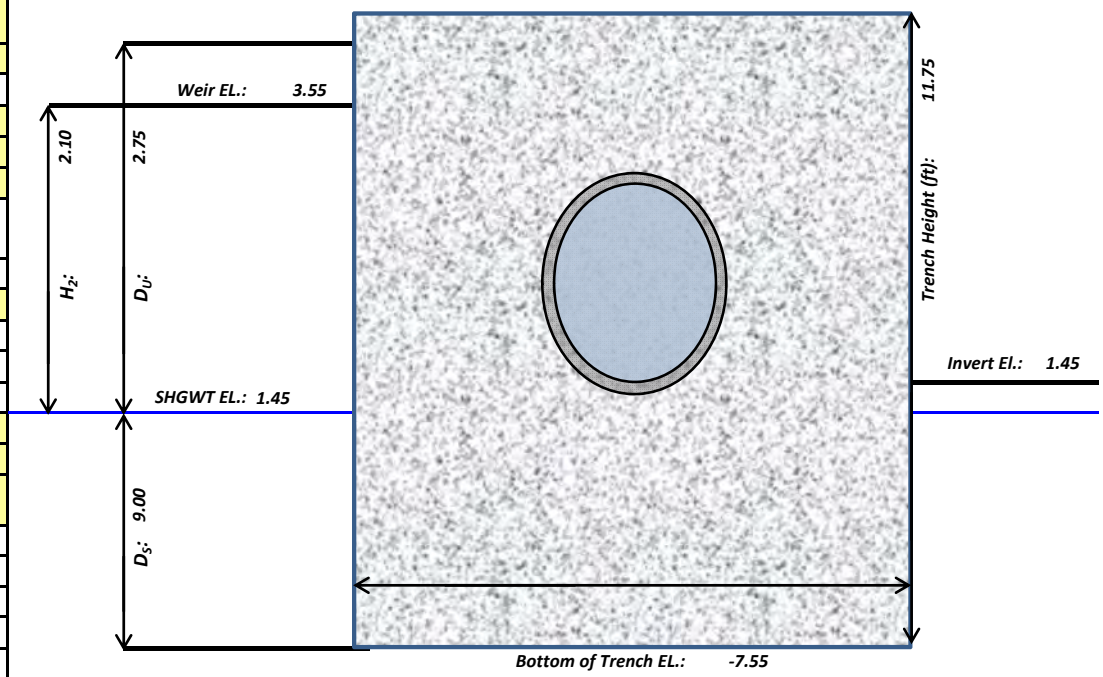
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.20**	**11.1850**
1.45	**9.00**	**14.7750**
2.94	**2.94**	**0.0000**
2.94	**4.20**	**5.3121**
2.94	**9.00**	**14.7750**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 6

French Drain (ICPR Link Name):	**EX6S51_6GW3 / EX6S51A_6GW3**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.45**
Pipe Size (in):	**24**
Effective Length of French Drain, L (LF):	**42.0**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, L (LF):	**21.00**
Pipe Thickness (in):	**3.00**
Pipe Invert EL. (ft-NAVD):	**1.45**
Top of Trench EL. (ft-NAVD):	4.20
Bottom of Trench EL. (ft-NAVD):	-7.55
Trench Height, H_T (ft):	11.75
Weir EL. (ft-NAVD):	**3.55**
Trench Width, W (ft):	4.50
Permit 13-02686-P Section 2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**2.96E-03**
Depth to Water Table, H_2 (ft):	2.10
Non-Saturated Trench Depth, D_U (ft):	2.75
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	9.45
$2H_2D_U$:	11.55
D_U^2:	7.56
$2H_2D_S$:	37.80
$(1.39x10^{-4})WD_U$:	0.001720
d_2:	3.40
d_3:	0.00
K_{10}:	2.96E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	**N/A***
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	**2.63**
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.22**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 6

French Drain (ICPR Link Name): **EX6S51_6GW3 / EX6S51A_6GW3**

Existing/Proposed: **Existing**

Pipe Size (in): **24**

1 /2 Length of French Drain, *L* (LF) * : **10.50**

Trench Height, H_T (ft): **11.75**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.960E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **4.20**

Bottom of Trench EL. (ft-NAVD): **-7.55**

Weir EL. (ft-NAVD): **3.55**

Upstream Structure Rim/Grate EL. (ft-NAVD): **5.35**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage EL. (ft-NAVD): ***7.05***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.20**	2.75	5.60	2.75	0.11355	**1.1923**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.05**	2.75	5.60	5.60	0.15000	**1.5750**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.20**	1.26	6.60	1.26	0.05393	**0.5663**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.05**	1.26	6.60	4.11	0.15000	**1.5750**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

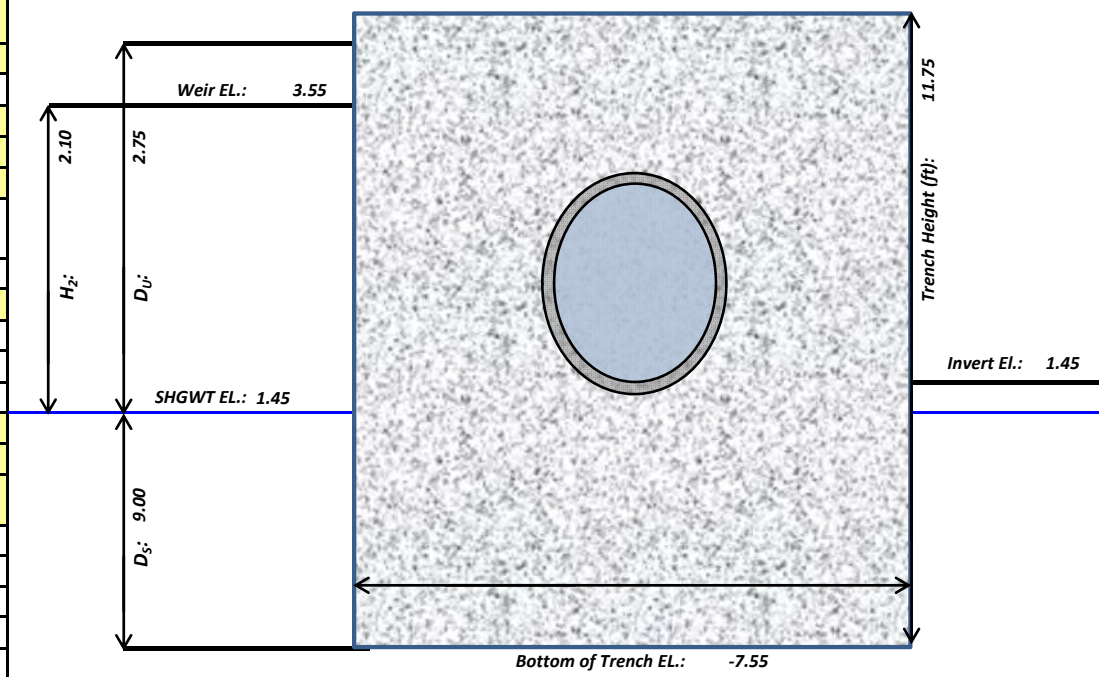
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.20**	**1.1923**
1.45	**7.05**	**1.5750**
2.94	**2.94**	**0.0000**
2.94	**4.20**	**0.5663**
2.94	**7.05**	**1.5750**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 6

French Drain (ICPR Link Name):	PR6S51_6GW3 / PR6S51A_6GW3
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	42.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	21.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	4.20
Bottom of Trench EL. (ft-NAVD):	-7.55
Trench Height, H_T (ft):	11.75
Weir EL. (ft-NAVD):	3.55
Trench Width, W (ft):	4.50
Permit 13-02686-P Section 2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.96E-03
Depth to Water Table, H_2 (ft):	2.10
Non-Saturated Trench Depth, D_U (ft):	2.75
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	9.45
$2H_2D_U$:	11.55
D_U^2:	7.56
$2H_2D_S$:	37.80
$(1.39x10^{-4})WD_U$:	0.001720
d_2:	3.40
d_3:	0.00
K_{10}:	2.96E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	2.63
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.22**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 6

French Drain (ICPR Link Name): **PR6S51_6GW3 / PR6S51A_6GW3**

Existing/Proposed: **Proposed**

Pipe Size (in): **24**

1 /2 Length of French Drain, *L* (LF) * : **10.50**

Trench Height, H_T (ft): **11.75**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.960E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **4.20**

Bottom of Trench EL. (ft-NAVD): **-7.55**

Weir EL. (ft-NAVD): **3.55**

Upstream Structure Rim/Grate EL. (ft-NAVD): **5.35**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage EL. (ft-NAVD): ***7.05***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.20**	2.75	5.60	2.75	0.11355	**1.1923**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**7.05**	2.75	5.60	5.60	0.15000	**1.5750**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.20**	1.26	6.60	1.26	0.05393	**0.5663**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.05**	1.26	6.60	4.11	0.15000	**1.5750**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

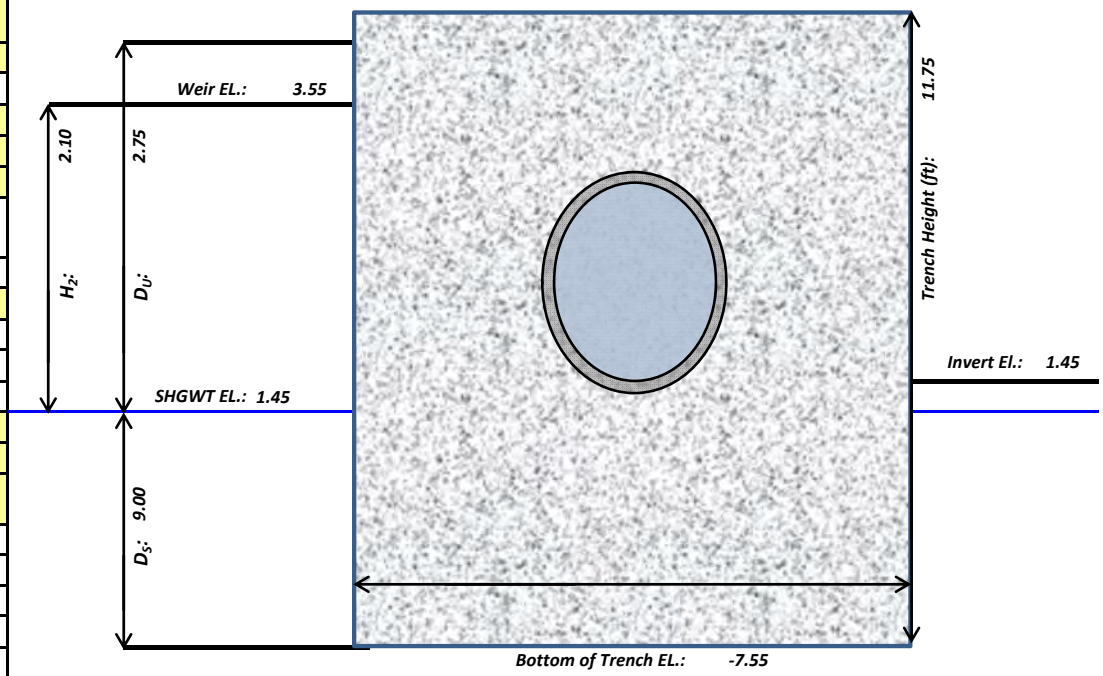
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.20**	**1.1923**
1.45	**7.05**	**1.5750**
2.94	**2.94**	**0.0000**
2.94	**4.20**	**0.5663**
2.94	**7.05**	**1.5750**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 6

French Drain (ICPR Link Name):	**EX6S19_6GW4 / EX6S23_6GW4**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.45**
Pipe Size (in):	**24**
Effective Length of French Drain, L (LF):	**159.0**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, L (LF):	**79.50**
Pipe Thickness (in):	**3.00**
Pipe Invert EL. (ft-NAVD):	**1.45**
Top of Trench EL. (ft-NAVD):	4.20
Bottom of Trench EL. (ft-NAVD):	-7.55
Trench Height, H_T (ft):	11.75
Weir EL. (ft-NAVD):	3.55
Trench Width, W (ft):	4.50
Permit 13-02686-P Section 2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**2.96E-03**
Depth to Water Table, H_2 (ft):	2.10
Non-Saturated Trench Depth, D_U (ft):	2.75
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	9.45
$2H_2D_U$:	11.55
D_U^2:	7.56
$2H_2D_S$:	37.80
$(1.39x10^{-4})WD_U$:	0.001720
d_2:	3.40
d_3:	0.00
K_{10}:	2.96E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	**N/A***
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	**9.97**
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.83**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 6

French Drain (ICPR Link Name): **EX6S19_6GW4 / EX6S23_6GW4**

Existing/Proposed: **Existing**

Pipe Size (in): **24**

1 /2 Length of French Drain, *L* (LF) * : **39.75**

Trench Height, H_T (ft): **11.75**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.960E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **4.20**

Bottom of Trench EL. (ft-NAVD): **-7.55**

Weir EL. (ft-NAVD): **3.55**

Upstream Structure Rim/Grate EL. (ft-NAVD): **10.09**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage EL. (ft-NAVD): ***8.45***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.20**	2.75	5.60	2.75	0.11355	**4.5137**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**8.45**	2.75	5.60	7.00	0.15000	**5.9625**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.20**	1.26	6.60	1.26	0.05393	**2.1437**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**8.45**	1.26	6.60	5.51	0.15000	**5.9625**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

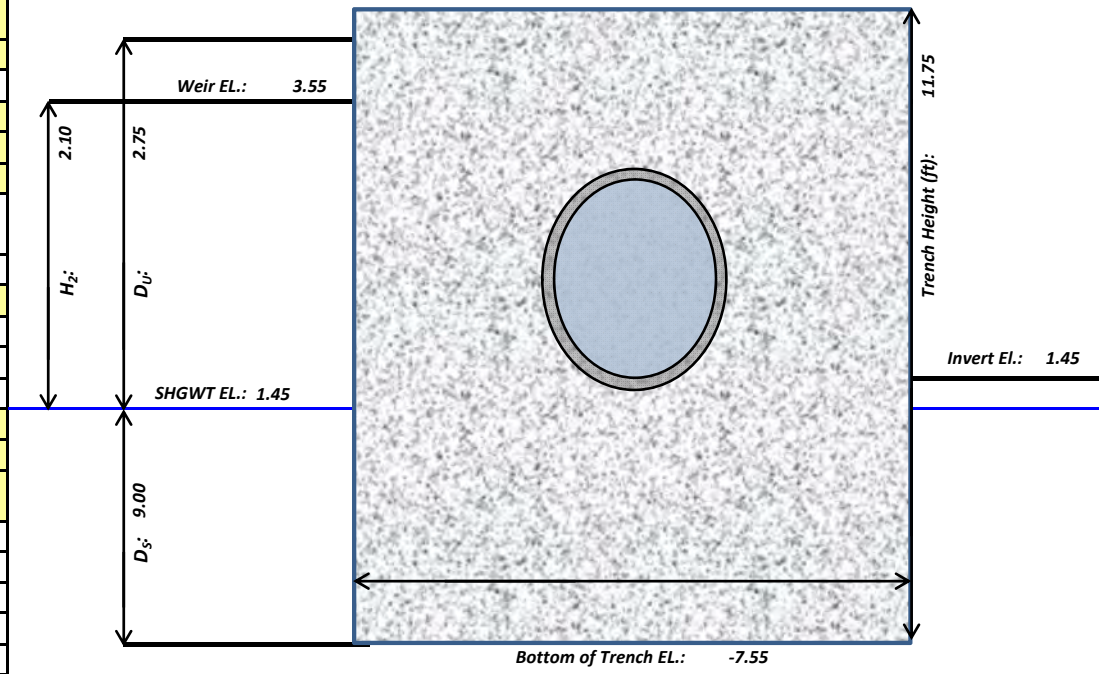
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.20**	**4.5137**
1.45	**8.45**	**5.9625**
2.94	**2.94**	**0.0000**
2.94	**4.20**	**2.1437**
2.94	**8.45**	**5.9625**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 6

French Drain (ICPR Link Name):	PR6S19_6GW4 / PR6S23_6GW4
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.45
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	159.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	79.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.45
Top of Trench EL. (ft-NAVD):	4.20
Bottom of Trench EL. (ft-NAVD):	-7.55
Trench Height, H_T (ft):	11.75
Weir EL. (ft-NAVD):	3.55
Trench Width, W (ft):	4.50
Permit 13-02686-P Section 2 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.96E-03
Depth to Water Table, H_2 (ft):	2.10
Non-Saturated Trench Depth, D_U (ft):	2.75
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	9.45
$2H_2D_U$:	11.55
D_U^2:	7.56
$2H_2D_S$:	37.80
$(1.39x10^{-4})WD_U$:	0.001720
d_2:	3.40
d_3:	0.00
K_{10}:	2.96E-03
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	9.97
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.83**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 6

French Drain (ICPR Link Name): **PR6S19_6GW4 / PR6S23_6GW4**

Existing/Proposed: **Proposed**

Pipe Size (in): **24**

1 /2 Length of French Drain, *L* (LF) * : **39.75**

Trench Height, H_T (ft): **11.75**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.960E-03**

Pipe Invert EL. (ft-NAVD): **1.45**

Top of Trench EL. (ft-NAVD): **4.20**

Bottom of Trench EL. (ft-NAVD): **-7.55**

Weir EL. (ft-NAVD): **3.55**

Upstream Structure Rim/Grate EL. (ft-NAVD): **10.09**

SHGWT EL. (ft-NAVD): **1.45**

Max Stage EL. (ft-NAVD): ***8.45***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.45	**1.45**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.45	**4.20**	2.75	5.60	2.75	0.11355	**4.5137**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.45	**8.45**	2.75	5.60	7.00	0.15000	**5.9625**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.20**	1.26	6.60	1.26	0.05393	**2.1437**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**8.45**	1.26	6.60	5.51	0.15000	**5.9625**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.45	**1.45**	**0.0000**
1.45	**4.20**	**4.5137**
1.45	**8.45**	**5.9625**
2.94	**2.94**	**0.0000**
2.94	**4.20**	**2.1437**
2.94	**8.45**	**5.9625**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

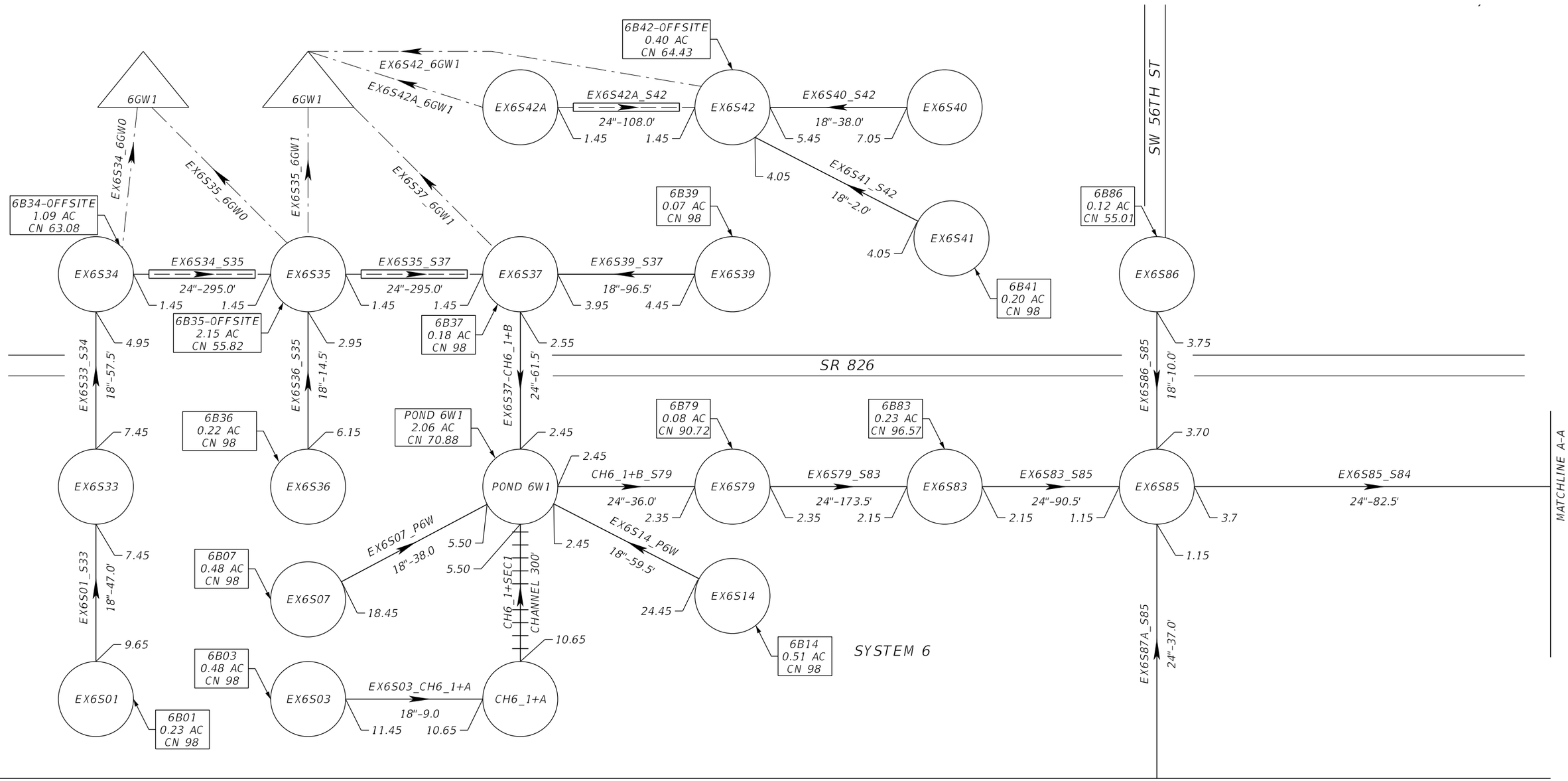
DRAINAGE SYSTEM SUMMARY TABLES

DRAINAGE SYSTEM *6*

Summary of Peak Discharges			
Receiving Waterbody:	**Existing Lake at NE Quadrant of SR826 and Miller Dr. Intersection**		
PRE-DEVELOPMENT			
ICPR Node:	**10yr-24hr**	**25yr-72hr**	**100yr-24hr**
O601	0.01	23.59	1.05
PRE-DEVELOPMENT TOTALS:	**0.01**	**23.59**	**1.05**
POST-DEVELOPMENT			
ICPR Node:	**10yr-24hr**	**25yr-72hr**	**100yr-24hr**
O601	0.00	23.33	1.28
POST-DEVELOPMENT TOTALS:	**0.00**	**23.33**	**1.28**
Pre-Post 25yr-72hr Peak Discharge Reduction (cfs):	***0.26***		

Summary of Peak Stages									
				PRE-DEVELOPMENT			POST-DEVELOPMENT		
Pond/ Swale/ FD #	**Type: [Wet/Dry, Det./Ret., FD]**	**Disposition [Exist./ Prop./ Modified]**	**Warning EL. [Min. Berm/ Min. EOP] (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**
POND 6W1	Dry Detention	Modified	9.45	3.08	5.42	3.33	3.13	5.34	3.43
POND 6E1 / SWALE 6E1	Dry Detention	Modified	6.45	3.16	5.55	3.17	2.94	5.41	3.31
EX6S15 / POND 6W2	Dry Detention	Modified	9.00	2.60	6.24	2.94	2.57	5.63	2.82
EX6S19	FD	Exist. / Replaced	9.54	3.21	5.73	3.70	3.31	5.77	3.73
EX6S23	FD	Exist.	9.70	3.21	6.92	3.72	3.31	7.13	3.75
EX6S34	FD	Exist.	9.70	2.50	4.95	2.56	2.50	4.84	2.56
EX6S35	FD	Exist.	8.45	2.50	4.95	2.56	2.50	4.84	2.56
EX6S37	FD	Exist.	9.54	2.50	5.02	2.56	2.50	4.92	2.56
EX6S42	FD	Exist.	9.70	2.48	3.71	2.51	2.48	3.75	2.52
EX6S51	FD	Exist.	5.35	2.61	6.26	2.95	2.58	5.69	2.83

Control Structure Summary Table - Proposed Conditions					
Control Structure:	**Disposition [Exist./ Prop./ Modified]**	**Weir Type/ Geometry**	**Weir EL. (ft-NAVD)**	**Bleeder Type/ Geometry**	**Bleeder Invert EL. (ft-NAVD)**
CS6S65_WER1	Exist.	Baffle / Rectangular (6' W x 6" H)	-2.05		
CS6S65_WER2	Exist.	Rectangular	3.55		



LEGEND

B-### #.## AC CN ##.# CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER	NODE NAME BOUNDARY NODE WITH CONSTANT TAILWATER	###-### ##"-###' #.## #.## EXFILTRATION TRENCH LINK WITH SIZE-LENGTH INVERT ELEVATION	####_WEIR VERTICAL TYPE EL. #.##, ## WEIR LINK WITH WEIR TYPE ELEVATION, WIDTH	###### CHANNEL ###' #.## #.## CHANNEL LINK WITH LENGTH INVERT ELEVATION
#-### NODE NAME	PATRICIA LAKE BOUNDARY NODE WITH VARIABLE TAILWATER	###-### (#)##"-###' #.## #.## PIPE LINK WITH (QUANTITY)SIZE-LENGTH INVERT ELEVATION	##_## RATING CURVE LINK	

N.T.S.

1 OF 6

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REVISIONS			
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AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-1

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SYSTEM 6

SW 56TH ST

SR 826

EX6S51A
EX6S51A_EX6S51
24"-50.0'
1.45
1.45
EX6S51
CH6_2+SEC1
CHANNEL 80'
5.35
5.35
CH6_2+A
EX6S53_CH6_2+A
18"-10.5'
5.35
5.45
EX6S53
6B53
0.43 AC
CN 98
6B51
0.55 AC
CN 69.15
EX6S51A_6GW3
CH6_2+B_S50
24"-59.5'
1.45
EX6S51_6GW3
1.25
6B50
0.20 AC
CN 73.09
EX6S50
EX6S51A_6GW3
6GW3
1.25
EX6S50_S15
24"-87.0'
0.95
EX6S21_6GW3
6B55
0.35 AC
CN 98
EX6S55
17.95
EX6S55_CH6_3+B
18"-87.5'
15.55
EX6S58
6B58
0.10 AC
CN 98
6B59
0.39 AC
CN 98
EX6S59
EX6S58_S57
18"-12.0'
26.05
EX6S59_S60
18"-38.0'
27.45
25.95
27.15
6B57
0.12 AC
CN 83.02
EX6S57
EX6S60_S57
24"-103.0'
23.95
27.95
EX6S60
27.95
23.95
EX6S57_S56
24"-260.5'
6B81
0.08 AC
CN 98
6B15
0.58 AC
CN 56.77
6B21
0.33 AC
CN 58.18
6B56
0.26 AC
CN 60.22
6B24
0.13 AC
CN 98
6B82
0.10 AC
CN 98
EX6S82
EX6S81_S82
24"-151.5'
1.45
1.45
EX6S81
EX6S15_S81
24"-36.0'
1.35
1.45
EX6S15
EX6S21_S15
24"-212.0'
1.45
1.45
EX6S21
EX6S56_S21
24"-190.0'
4.25
15.55
EX6S56
CH6_3+SEC1
CHANNEL 100'
19.67
24.85
CH6_3+A
EX6S24_CH6_3+A
16"-8.5'
24.85
24.95
EX6S24
31.85
MATCHLINE B-B
6.45
EX6S17_S15
16"-21.5'
29.95
6B17
0.13 AC
CN 98
EX6S17
EX6S20_S17
18"-76.5'
30.45
30.95
EX6S20
6B20
0.47 AC
CN 98
1.45
EX6S82_S84
24"-95.0'
EX6S82_6GW3
EX6S81_6GW3
EX6S15_6GW3
6GW3
6GW4
EX6S19_6GW4
EX6S23_6GW4
6B19_2
0.45 AC
CN 65.48
6B19_1
0.08 AC
CN 98
0.95
EX6S22
6B22
0.19 AC
CN 98
EX6S23B
6B23B
0.20 AC
CN 98
EX6S26
6B26
0.53 AC
CN 98
31.85
EX6S22_S23
16"-25.0'
6.45
EX6S23B_S23A
16"-25.0'
9.25
33.35
34.45
EX6S26_S27
16"-22.0'
11.85
MATCHLINE A-A
EX6S84
EX6S84_S63
24"-39.0'
3.62
3.62
EX6S63
EX6S63_S64
30"-58.0'
3.55
3.55
EX6S64
EX6S19_S64
24"-18.5'
2.95
2.95
3.05
EX6S19
EX6S23_S19
24"-175.0'
1.45
1.45
EX6S23
EX6S23A_S23
24"-145.5'
5.45
6.45
EX6S23A
EX6S27_6S23A
24"-146.0'
9.15
9.45
EX6S27
9.45
2.45
EX6S18_S19
16"-10.72'
30.45
3.05
6B18
0.24 AC
CN 98
EX6S18
6B23
0.11 AC
CN 57.35
3.55
6B23A
0.08 AC
CN 66.17
6B27
0.12 AC
CN 70.97
N.T.S.
2 OF 6
MATCHLINE D-D

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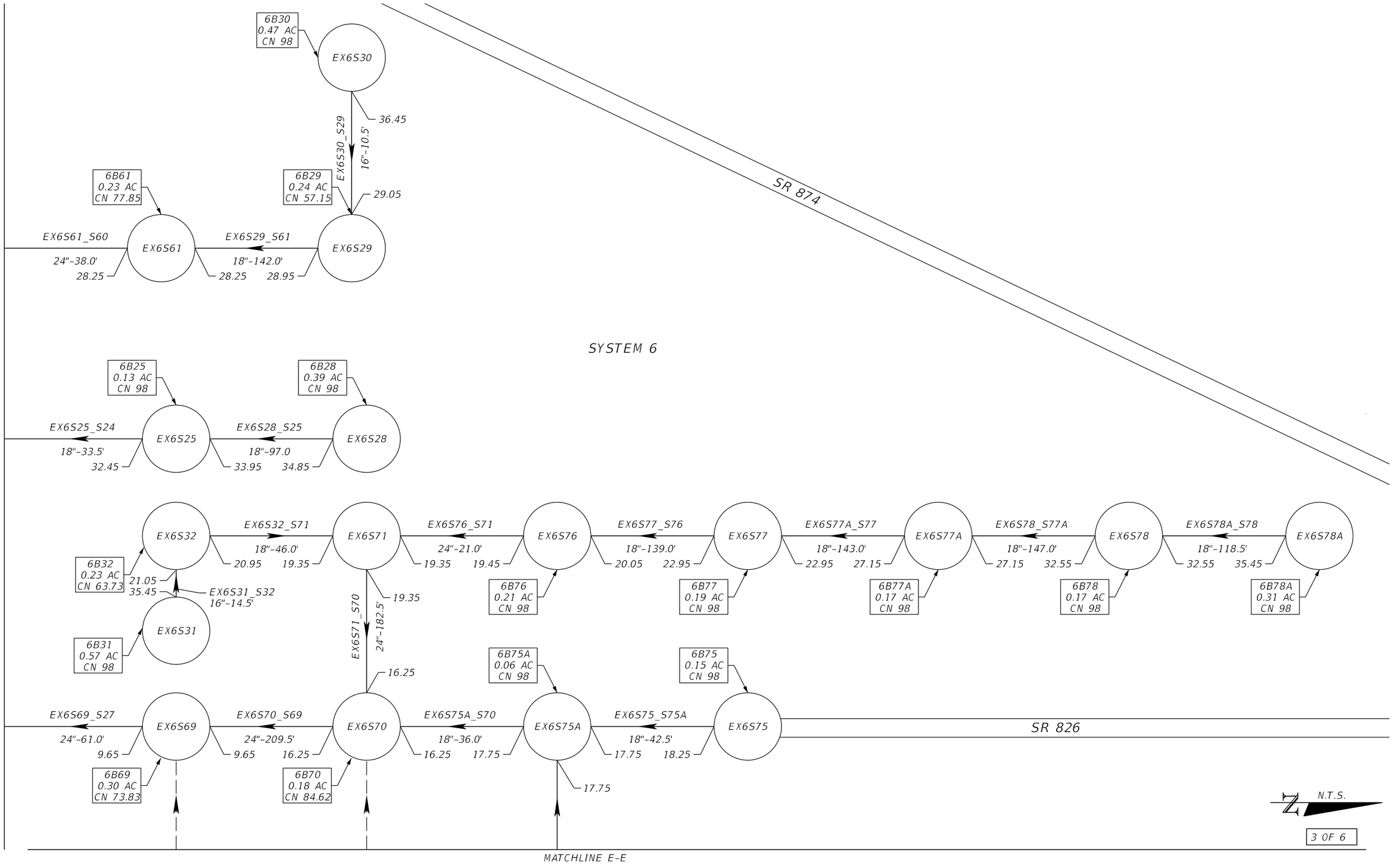
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-2



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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-3

MATCHLINE C-C

SR 826

SR 826

SW 56TH ST

SW 56TH ST

MATCHLINE F-F

6B04
0.32 AC
CN 98

6B43
0.11 AC
CN 98

6B44_2
0.36 AC
CN 98

6B44_1
0.15 AC
CN 98

EX6S04

EX6S04_S43
18"-28.0'
8.95
7.35

EX6S43

EX6S43_S44
18"-195.5'
7.35
6.15

EX6S44

EX6S44_S45
24"-99.0'
5.65
5.45

EX6S45

EX6S45_S46
24"-82.0'
5.45
4.25

EX6S46

6B46
0.16 AC
CN 98

EX6S46_6GW2

6GW2

EX6S48_S87
24"-150.0'
1.45
1.45

EX6S87

EX6S87_S87A
24"-55.0'
1.45
1.35

EX6S87A

EX6S87B_S87A
18"-14.5
4.45
5.45

EX6S87B

1.35

6B87
0.16 AC
CN 83.02

EX6S87_6GW2A

6GW2A

6B48
0.23 AC
CN 98

EX6S48

EX6S48_6GW2A

EX6S48_6GW2

6GW2

POND 6E1
1.26 AC
CN 72.00

POND 6E1

PND6E1_S48
24"-13.0'
2.7
1.45

PND6E1_S46
24"-16.0'
2.70
2.25

EX6S46_S48
24"-195.0'
1.45
1.45

EX6S08_S46
16"-40.0'
1.45
2.15

6B08
0.25 AC
CN 98

EX6S08

EX6S08_S09
18"-42.5'
21.65
23.45

EX6S09

6B09
0.11 AC
CN 98

EX6S09_S10
18"-70.0'
23.25
25.25

EX6S10

6B10
0.57 AC
CN 98

EX6S11_S10
18"-5.0'
25.25

SYSTEM 6

N.T.S.

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO.
NL-4

MATCHLINE D-D

MATCHLINE F-F

MATCHLINE G-G

SW 56TH ST

SR 826

SR 826

SYSTEM 6

6B62
0.05 AC
CN 67.08

6B62A_1
0.21 AC
CN 98

6B62A_2
0.14 AC
CN 98

EX6S62

EX6S62_S62A
18"-48.0'
3.55
1.45

EX6S62A

EX6S62A_S65A
18"-12.5'
1.45
1.35

EXCS6S65A

EX6S19_S64
24"-18.5'
2.95

EX6S64

EX6S64_S65A
30"-70.0'
2.95
3.00

EX6S68_S23
24"-78.5'
3.75

EX6S68

EX6S68_WEIR
VERTICAL TYPE
EL. 7.79, 3.25

CH6_4+B

CH6_4+SEC1
CHANNEL 200'
13.78
21.22

CH6_4+A

6B74
0.32 AC
CN 98

EX6S74

22.15
12.79

EX6S74_4+A
16"-10.5'

6B68
0.56 AC
CN 69.53

CS6S65_WEIR1
VERTICAL TYPE
EL. -2.05, 6.0

EXCS6S65B

CS6S65_WEIR2
VERTICAL TYPE
EL. 3.55, 6.0

6B11
0.13 AC
CN 55.01

EX6S11

EX6S12_S11
18"-15.0'
25.45
25.45
26.45

EX6S12

EX6S72_S12
18"-189.0'
26.45
29.35

EX6S72

6B72
0.13 AC
CN 98

EX6S65C

EX6S65C_0601
30"-21.5'
0.45
0.35

0601

N.T.S.

5 OF 6

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STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-5

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SYSTEM 6

N.T.S.

6 OF 6

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-6

Simple Basin: 6B01

Scenario:	Icpr3
Node:	EX6S01
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B03

Scenario:	Icpr3
Node:	EX6S03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.4800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B04

Scenario:	Icpr3
Node:	EX6S04
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.3200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B07

Scenario:	Icpr3
Node:	EX6S07
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.4800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B08

Scenario:	Icpr3
Node:	EX6S08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B09

Scenario:	Icpr3
Node:	EX6S09
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B10

Scenario:	Icpr3
Node:	EX6S10
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.5700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B11

Scenario:	Icpr3
Node:	EX6S11
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1300 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B14

Scenario:	Icpr3
Node:	EX6S14
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.5100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B15

Scenario:	Icpr3
Node:	EX6S15
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.5800 ac
Curve Number:	56.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: PART OF POND "D"

Simple Basin: 6B17

Scenario:	Icpr3
Node:	EX6S17
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B18

Scenario:	Icpr3
Node:	EX6S18
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B19_1

Scenario:	Icpr3
Node:	EX6S19
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.0800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B19_2

Scenario:	Icpr3
Node:	EX6S19
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.4500 ac
Curve Number:	65.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B20

Scenario:	Icpr3
Node:	EX6S20
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.4700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B21

Scenario:	Icpr3
Node:	EX6S21
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.3300 ac
Curve Number:	58.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B22

Scenario:	Icpr3
Node:	EX6S22
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B23

Scenario:	Icpr3
Node:	EX6S23
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1100 ac
Curve Number:	57.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B23A

Scenario:	Icpr3
Node:	EX6S23A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.0800 ac
Curve Number:	66.2
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B23B

Scenario:	Icpr3
Node:	EX6S23B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B24

Scenario:	Icpr3
Node:	EX6S24
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B25

Scenario:	Icpr3
Node:	EX6S25
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B26

Scenario:	Icpr3
Node:	EX6S26
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.5300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B27

Scenario:	Icpr3
Node:	EX6S27
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1200 ac
Curve Number:	71.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B28

Scenario:	Icpr3
Node:	EX6S28
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.3900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B29

Scenario:	Icpr3
Node:	EX6S29
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2400 ac
Curve Number:	57.2
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B30

Scenario:	Icpr3
Node:	EX6S30
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.4700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B31

Scenario:	Icpr3
Node:	EX6S31
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.5700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B32

Scenario:	Icpr3
Node:	EX6S32
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2300 ac
Curve Number:	63.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B34-OFFSITE

Scenario:	Icpr3
Node:	EX6S34
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	1.0900 ac
Curve Number:	63.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite area

Simple Basin: 6B35-OFFSITE

Scenario:	Icpr3
Node:	EX6S35
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	2.1500 ac
Curve Number:	55.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite area

Simple Basin: 6B36

Scenario:	Icpr3
Node:	EX6S36
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B37

Scenario:	Icpr3
Node:	EX6S37
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B39

Scenario:	Icpr3
Node:	EX6S39
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.0700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B41

Scenario:	Icpr3
Node:	EX6S41
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B42-OFFSITE

Scenario:	Icpr3
Node:	EX6S42
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.4000 ac
Curve Number:	64.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite area

Simple Basin: 6B43

Scenario:	Icpr3
Node:	EX6S43
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B44_1

Scenario:	Icpr3
Node:	EX6S44
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B44_2

Scenario:	Icpr3
Node:	EX6S44
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.3600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B46

Scenario:	Icpr3
Node:	EX6S46
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B48

Scenario:	Icpr3
Node:	EX6S48
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B50

Scenario:	Icpr3
Node:	EX6S50
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2000 ac
Curve Number:	73.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B51

Scenario:	Icpr3
Node:	EX6S51
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.5500 ac
Curve Number:	69.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B53

Scenario:	Icpr3
Node:	EX6S53
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.4300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B55

Scenario:	Icpr3
Node:	EX6S55
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.3500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B56

Scenario:	Icpr3
Node:	EX6S56
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2600 ac
Curve Number:	60.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B57

Scenario:	Icpr3
Node:	EX6S57
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1200 ac
Curve Number:	83.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B58

Scenario:	Icpr3
Node:	EX6S58
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B59

Scenario:	Icpr3
Node:	EX6S59
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.3900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B61

Scenario:	Icpr3
Node:	EX6S61
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2300 ac
Curve Number:	77.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B62

Scenario:	Icpr3
Node:	EX6S62
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.0500 ac
Curve Number:	67.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B62A_1

Scenario:	Icpr3
Node:	EX6S62A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B62A_2

Scenario:	Icpr3
Node:	EX6S62A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B68

Scenario:	Icpr3
Node:	CH6_4+A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.5600 ac
Curve Number:	69.5
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B69

Scenario:	Icpr3
Node:	EX6S69
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.3000 ac
Curve Number:	73.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B70

Scenario:	Icpr3
Node:	EX6S70
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1800 ac
Curve Number:	84.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B72

Scenario:	Icpr3
Node:	EX6S72
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B74

Scenario:	Icpr3
Node:	EX6S74
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.3200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B75

Scenario:	Icpr3
Node:	EX6S75
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B75A

Scenario:	Icpr3
Node:	EX6S75A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.0600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B75B

Scenario:	Icpr3
Node:	EX6S75B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.0900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B76

Scenario:	Icpr3
Node:	EX6S76
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B77

Scenario:	Icpr3
Node:	EX6S77
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B77A

Scenario:	Icpr3
Node:	EX6S77A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B78

Scenario:	Icpr3
Node:	EX6S78
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B78A

Scenario:	Icpr3
Node:	EX6S78A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.3100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B79

Scenario:	Icpr3
Node:	EX6S79
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.0800 ac
Curve Number:	90.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B81

Scenario:	Icpr3
Node:	EX6S81
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.0800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B82

Scenario:	Icpr3
Node:	EX6S82
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: THIS BASIN ACCOUNTS FOR BASINS 4B82-A AND 4B82-B

Simple Basin: 6B83

Scenario:	Icpr3
Node:	EX6S83
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2300 ac
Curve Number:	96.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: THIS BASIN ACCOUNTS FOR BASINS 4B83-A AND 4B83-B

Simple Basin: 6B86

Scenario:	Icpr3
Node:	EX6S86
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1200 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B87

Scenario:	Icpr3
Node:	EX6S87B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1600 ac
Curve Number:	83.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 6E1

Scenario:	Icpr3
Node:	POND 6E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	1.2600 ac
Curve Number:	72.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: 'POND B'

Simple Basin: POND 6W1

Scenario:	Icpr3
Node:	POND 6W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	2.0600 ac
Curve Number:	70.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: 'POND A'

Node: 6GW0

Scenario:	Icpr3
Type:	Time/Stage
Base Flow:	0.00 cfs
Initial Stage:	1.45 ft
Warning Stage:	3.61 ft
Boundary Stage:	GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 6GW1

Scenario: Icpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 3.61 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 6GW2

Scenario: Icpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 6GW2A

Scenario: Icpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 6GW3

Scenario: Icpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 3.61 ft
Boundary Stage: GROUND3

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 6GW4

Scenario: Icpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 3.61 ft
Boundary Stage: GROUND4

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: CH6_1+A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.65 ft
Warning Stage: 12.45 ft

Stage [ft]	Area [ac]	Area [ft2]
10.65	0.0003	13
12.45	0.0003	13

Comment: Channel Node

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-02

Node: CH6_2+A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.35 ft
Warning Stage: 7.55 ft

Stage [ft]	Area [ac]	Area [ft2]
5.35	0.0003	13
7.55	0.0003	13

Comment: GHOST NODE

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-52

Node: CH6_3+A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.85 ft
Warning Stage: 27.26 ft

Stage [ft]	Area [ac]	Area [ft2]
24.85	0.0003	13
27.26	0.0003	13

Comment: GHOST NODE - THIS IS A U-ENDWALL STRUCTURE

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-24

Node: CH6_4+A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.78 ft
Warning Stage: 21.22 ft

Stage [ft]	Area [ac]	Area [ft2]
13.78	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
21.22	0.0003	13

Comment: GHOST NODE

Originally EX6S69B

Node: CH6_4+B

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.79 ft
Warning Stage: 13.78 ft

Stage [ft]	Area [ac]	Area [ft2]
7.79	0.0003	13
13.78	0.0003	13

Comment: GHOST NODE

ORIGINALLY EX6S68A

Node: CH6_5+A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.78 ft
Warning Stage: 21.62 ft

Stage [ft]	Area [ac]	Area [ft2]
13.78	0.0003	13
21.62	0.0003	13

Comment: GHOST NODE

ORIGINALLY EX6S70A

Node: CH6_5+B

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.79 ft

Warning Stage: 17.05 ft

Stage [ft]	Area [ac]	Area [ft2]
7.79	0.0003	13
17.05	0.0003	13

Comment: GHOST NODE

ORIGINALLY EX6S69A

Node: EX6S01

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.65 ft
Warning Stage: 14.19 ft

Stage [ft]	Area [ac]	Area [ft2]
7.65	0.0003	13
14.19	0.0003	13
14.20	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-01

Node: EX6S03

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.45 ft
Warning Stage: 16.39 ft

Stage [ft]	Area [ac]	Area [ft2]
9.45	0.0003	13
16.39	0.0003	13
16.40	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-03

Node: EX6S04

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.95 ft
Warning Stage: 16.29 ft

Stage [ft]	Area [ac]	Area [ft2]
6.95	0.0003	13
16.29	0.0003	13
16.30	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-04

Node: EX6S07

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.45 ft
Warning Stage: 24.61 ft

Stage [ft]	Area [ac]	Area [ft2]
16.45	0.0003	13
24.61	0.0003	13
24.62	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-07

Node: EX6S08

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 19.65 ft
Warning Stage: 26.77 ft

Stage [ft]	Area [ac]	Area [ft2]
19.65	0.0003	13
26.77	0.0003	13
26.78	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-08

Node: EX6S09

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 21.45 ft
Warning Stage: 27.93 ft

Stage [ft]	Area [ac]	Area [ft2]
21.45	0.0003	13
27.93	0.0003	13
27.94	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-09

Node: EX6S10

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 23.25 ft
Warning Stage: 29.77 ft

Stage [ft]	Area [ac]	Area [ft2]
23.25	0.0003	13
29.77	0.0003	13
29.78	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-10

Node: EX6S11

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 23.45 ft
Warning Stage: 29.78 ft

Stage [ft]	Area [ac]	Area [ft2]
23.45	0.0003	13
29.78	0.0003	13
29.79	0.0029	126

Comment: DBI TYPE "D"

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-11

Node: EX6S12

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.45 ft
Warning Stage: 30.97 ft

Stage [ft]	Area [ac]	Area [ft2]
24.45	0.0002	10
30.97	0.0002	10

Comment: MH TYPE "P-7"

FROM FPID 249035-1-52-01

SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-12

Node: EX6S14

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 22.45 ft
Warning Stage: 31.48 ft

Stage [ft]	Area [ac]	Area [ft2]
22.45	0.0003	13
31.48	0.0003	13
31.49	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-14

Node: EX6S15

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
5.95	0.0003	13
5.96	0.0030	131
6.00	0.0801	3489
7.00	0.1412	6151
8.00	0.2000	8712
9.00	0.2679	11670

Comment: DBI TYPE "D"

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-15

INCLUDES POND "D" STORAGE AREA MEASURED FROM CONTOURS

Node: EX6S17

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 29.95 ft
Warning Stage: 35.31 ft

Stage [ft]	Area [ac]	Area [ft2]
29.95	0.0003	13
35.31	0.0003	13
35.32	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-17

Node: EX6S18

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 30.45 ft
Warning Stage: 35.67 ft

Stage [ft]	Area [ac]	Area [ft2]
30.45	0.0003	13
35.67	0.0003	13
35.68	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-22

Node: EX6S19

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
6.27	0.0003	13
6.28	0.0030	131
7.00	0.0481	2095
8.00	0.0885	3855

Comment: DBI TYPE "B"

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-19

INCLUDES INFIELD STORAGE AREA MEASURED FROM CONTOURS

Node: EX6S20

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 28.95 ft
Warning Stage: 35.45 ft

Stage [ft]	Area [ac]	Area [ft2]
28.95	0.0003	13
35.45	0.0003	13
35.46	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-20

Node: EX6S21

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 1.45 ft
Warning Stage: 10.50 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
10.50	0.0003	13
10.51	0.0030	131

Comment: DBI TYPE "D"

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-21

Node: EX6S22

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 31.85 ft
Warning Stage: 36.50 ft

Stage [ft]	Area [ac]	Area [ft2]
31.85	0.0003	13
36.50	0.0003	13
36.51	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-22

Node: EX6S23

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 10.09 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
10.09	0.0003	13
10.10	0.0030	131

Comment: DBI TYPE "B"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-23

Node: EX6S23A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.55 ft
Warning Stage: 14.83 ft

Stage [ft]	Area [ac]	Area [ft2]
4.55	0.0003	13
14.83	0.0003	13
14.84	0.0030	131

Comment: DBI TYPE "B"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-23A

Node: EX6S23B

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 33.35 ft
Warning Stage: 37.55 ft

Stage [ft]	Area [ac]	Area [ft2]
33.35	0.0003	13
37.55	0.0003	13
37.56	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-23A

Node: EX6S24

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 27.85 ft
Warning Stage: 36.31 ft

Stage [ft]	Area [ac]	Area [ft2]
27.85	0.0003	13
36.31	0.0003	13
36.32	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-24A

Node: EX6S25

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 28.95 ft
Warning Stage: 38.60 ft

Stage [ft]	Area [ac]	Area [ft2]
28.95	0.0003	13
38.60	0.0003	13
38.61	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-25

Node: EX6S26

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 34.45 ft
Warning Stage: 38.60 ft

Stage [ft]	Area [ac]	Area [ft2]
34.45	0.0003	13
38.60	0.0003	13
38.61	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-26

Node: EX6S27

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.45 ft
Warning Stage: 18.30 ft

Stage [ft]	Area [ac]	Area [ft2]
7.45	0.0003	13
18.30	0.0003	13
18.31	0.0030	131

Comment: GUTTER INLET TYPE "V"

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-27

Node: EX6S28

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 32.85 ft
Warning Stage: 39.30 ft

Stage [ft]	Area [ac]	Area [ft2]
32.85	0.0003	13
39.30	0.0003	13
39.31	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-28

Node: EX6S29

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 26.95 ft
Warning Stage: 32.58 ft

Stage [ft]	Area [ac]	Area [ft2]
26.95	0.0003	13
32.58	0.0003	13
32.59	0.0030	131

Comment: DBI TYPE "B"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-29

Node: EX6S30

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 36.45 ft
Warning Stage: 41.40 ft

Stage [ft]	Area [ac]	Area [ft2]
36.45	0.0003	13
41.40	0.0003	13
41.41	0.0030	131

Comment: DBI TYPE "B"

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-30

Node: EX6S31

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 35.45 ft
Warning Stage: 40.51 ft

Stage [ft]	Area [ac]	Area [ft2]
35.45	0.0003	13
40.51	0.0003	13
40.52	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-32

Node: EX6S32

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 18.95 ft
Warning Stage: 26.57 ft

Stage [ft]	Area [ac]	Area [ft2]
18.95	0.0003	13
26.57	0.0003	13
26.58	0.0030	131

Comment: GUTTER INLET TYPE "V"

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-32

Node: EX6S33

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.45 ft
Warning Stage: 10.11 ft

Stage [ft]	Area [ac]	Area [ft2]
5.45	0.0003	13
10.11	0.0003	13
10.12	0.0030	131

Comment: DBI TYPE "D"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-33

Node: EX6S34

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.70 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
9.70	0.0003	13
9.71	0.0030	131

Comment: DBI TYPE "D" ON "J" BOTTOM (60"x54")

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-34

Node: EX6S35

Scenario: Icpr3

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 8.45 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
8.45	0.0003	13
8.46	0.0030	131

Comment: DBI TYPE "D" ON "J" BOTTOM (60" x 54")

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-35

Node: EX6S36

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.15 ft
Warning Stage: 10.92 ft

Stage [ft]	Area [ac]	Area [ft2]
4.15	0.0003	13
10.92	0.0003	13
10.93	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-36

Node: EX6S37

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.54 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
9.54	0.0003	13
9.55	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-37

Node: EX6S39

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.45 ft
Warning Stage: 9.11 ft

Stage [ft]	Area [ac]	Area [ft2]
2.45	0.0003	13
9.11	0.0003	13
9.12	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-39

Node: EX6S40

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.05 ft
Warning Stage: 9.65 ft

Stage [ft]	Area [ac]	Area [ft2]
5.05	0.0003	13
9.65	0.0003	13
9.66	0.0030	131

Comment: DBI TYPE D

FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-40

Node: EX6S41

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.05 ft
Warning Stage: 8.50 ft

Stage [ft]	Area [ac]	Area [ft2]
2.05	0.0003	13
8.50	0.0003	13
8.51	0.0030	131

Comment: BWI
FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-41

Node: EX6S42

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 8.45 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
8.45	0.0003	13
8.46	0.0030	131

Comment: DBI TYPE D

FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-42

Node: EX6S42A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 3.45 ft

Stage [ft]	Area [ac]	Area [ft2]
1.45	0.0003	13
3.45	0.0003	13

Comment: END OF FD NODE

Node: EX6S43

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.65 ft
Warning Stage: 12.51 ft

Stage [ft]	Area [ac]	Area [ft2]
5.65	0.0003	13
12.51	0.0003	13
12.52	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-43

Node: EX6S44

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.85 ft
Warning Stage: 11.33 ft

Stage [ft]	Area [ac]	Area [ft2]
4.85	0.0003	13
11.33	0.0003	13
11.34	0.0030	131

Comment: BWI on Bottom J (96" x 44")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-44

Node: EX6S45

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.45 ft
Warning Stage: 11.01 ft

Stage [ft]	Area [ac]	Area [ft2]
3.45	0.0003	13
11.01	0.0003	13

Comment: MH TYPE J-7 (72" x 42")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-45

Node: EX6S46

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.94 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
9.94	0.0003	13
9.95	0.0030	131

Comment: BWI ON BOTTOM "J" (84" X 48")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-46

Node: EX6S48

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 8.82 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
8.82	0.0003	13
8.83	0.0030	131

Comment: BWI ON BOTTOM "J" (60" x 54")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-48

Node: EX6S50

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.87 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.75	0.0003	13
7.87	0.0003	13
7.88	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-50

Node: EX6S51

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 5.35 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
5.35	0.0003	13
5.36	0.0030	131

Comment: DBI TYPE "D"

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-51

Node: EX6S51A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 6.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.45	0.0003	13
6.00	0.0003	13

Comment: FD US NODE

Node: EX6S53

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.45 ft
Warning Stage: 9.57 ft

Stage [ft]	Area [ac]	Area [ft2]
3.45	0.0003	13
9.57	0.0003	13
9.58	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-53

Node: EX6S55

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.95 ft
Warning Stage: 22.61 ft

Stage [ft]	Area [ac]	Area [ft2]
15.95	0.0003	13
22.61	0.0003	13
22.62	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-55

Node: EX6S56

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.55 ft
Warning Stage: 19.68 ft

Stage [ft]	Area [ac]	Area [ft2]
13.55	0.0003	13
19.68	0.0003	13
19.69	0.0030	131

Comment: DBI TYPE "B"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-56

Node: EX6S57

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 21.95 ft

Warning Stage: 30.41 ft

Stage [ft]	Area [ac]	Area [ft2]
21.95	0.0003	13
30.41	0.0003	13
30.42	0.0030	131

Comment: DBI TYPE "B"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-57

Node: EX6S58

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.05 ft
Warning Stage: 34.05 ft

Stage [ft]	Area [ac]	Area [ft2]
24.05	0.0003	13
34.05	0.0003	13
34.06	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-58

Node: EX6S59

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.45 ft
Warning Stage: 32.05 ft

Stage [ft]	Area [ac]	Area [ft2]
25.45	0.0003	13
32.05	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
32.06	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-59

Node: EX6S60

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.15 ft
Warning Stage: 33.39 ft

Stage [ft]	Area [ac]	Area [ft2]
25.15	0.0003	13
33.39	0.0003	13

Comment: MH TYPE "J-7" (5' ALT. A)

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-60

Node: EX6S61

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 26.25 ft
Warning Stage: 33.33 ft

Stage [ft]	Area [ac]	Area [ft2]
26.25	0.0003	13
32.33	0.0003	13
32.34	0.0030	131

Comment: DBI TYPE "B"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01

SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-61

Node: EX6S62

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.55 ft
Warning Stage: 6.95 ft

Stage [ft]	Area [ac]	Area [ft2]
1.55	0.0003	13
6.95	0.0003	13
6.96	0.0030	131

Comment: DBI TYPE "D"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-62

Node: EX6S62A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 6.31 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0003	13
6.31	0.0003	13
6.32	0.0030	131

Comment: SHOULDER GUTTER TYPE "S" ON "J" BOTTOM (72" x 48")

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-62A

Node: EX6S63

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.75 ft
Warning Stage: 8.34 ft

Stage [ft]	Area [ac]	Area [ft2]
2.75	0.0003	13
8.34	0.0003	13

Comment: MH TYPE "J" (48"x78")

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-63

Node: EX6S64

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.61 ft
Warning Stage: 8.45 ft

Stage [ft]	Area [ac]	Area [ft2]
2.61	0.0003	13
8.45	0.0003	13

Comment: MH TYPE "J" (96" x 60")

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-64

Node: EX6S65C

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.05	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
7.45	0.0003	13

Comment: CHAMBER "C" OF 2S65

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-65

Node: EX6S68

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.75 ft
Warning Stage: 7.79 ft

Stage [ft]	Area [ac]	Area [ft2]
1.75	0.0003	13
7.79	0.0003	13
7.80	0.0030	131

Comment: DBI TYPE "B"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-68

Node: EX6S69

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.65 ft
Warning Stage: 14.05 ft

Stage [ft]	Area [ac]	Area [ft2]
7.65	0.0003	13
14.05	0.0003	13
14.06	0.0030	131

Comment: DBI TYPE "V"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-69

Node: EX6S70

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 14.25 ft
Warning Stage: 21.22 ft

Stage [ft]	Area [ac]	Area [ft2]
14.25	0.0003	13
21.22	0.0003	13
21.23	0.0030	131

Comment: GUTTER INLET TYPE "V"

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-70

Node: EX6S71

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.35 ft
Warning Stage: 25.66 ft

Stage [ft]	Area [ac]	Area [ft2]
17.35	0.0003	13
25.66	0.0003	13

Comment: MH TYPE "J-7" (5' ALT. A)

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-71

Node: EX6S72

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 27.45 ft
Warning Stage: 34.10 ft

Stage [ft]	Area [ac]	Area [ft2]
27.45	0.0003	13
34.10	0.0003	13
34.11	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-72

Node: EX6S74

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 22.15 ft
Warning Stage: 23.65 ft

Stage [ft]	Area [ac]	Area [ft2]
22.15	0.0003	13
23.65	0.0003	13
23.66	0.0030	131

Comment: BARRIER WALL INLET

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-74

Node: EX6S75

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.25 ft
Warning Stage: 22.84 ft

Stage [ft]	Area [ac]	Area [ft2]
16.25	0.0003	13
22.84	0.0003	13
22.85	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-75

Node: EX6S75A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.75 ft
Warning Stage: 22.72 ft

Stage [ft]	Area [ac]	Area [ft2]
15.75	0.0003	13
22.72	0.0003	13
22.73	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-75A

Node: EX6S75B

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.45 ft
Warning Stage: 22.83 ft

Stage [ft]	Area [ac]	Area [ft2]
16.45	0.0003	13
22.83	0.0003	13
22.84	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-75B

Node: EX6S76

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.45 ft
Warning Stage: 24.27 ft

Stage [ft]	Area [ac]	Area [ft2]
17.45	0.0003	13
24.27	0.0003	13
24.28	0.0030	131

Comment: GUTTER INLET TYPE "S"

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-76

Node: EX6S77

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.95 ft
Warning Stage: 27.93 ft

Stage [ft]	Area [ac]	Area [ft2]
20.95	0.0003	13
27.93	0.0003	13
27.94	0.0030	131

Comment: GUTTER TYPE "S" ON BOTTOM "J" (78" x 48")

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-77

Node: EX6S77A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.15 ft
Warning Stage: 32.32 ft

Stage [ft]	Area [ac]	Area [ft2]
25.15	0.0003	13
32.32	0.0003	13
32.33	0.0030	131

Comment: GUTTER TYPE "S" ON BOTTOM "J" (78" x 48")

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-77A

Node: EX6S78

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 30.55 ft
Warning Stage: 36.81 ft

Stage [ft]	Area [ac]	Area [ft2]
30.55	0.0003	13
36.81	0.0003	13
36.82	0.0030	131

Comment: GUTTER TYPE "S"

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-78

Node: EX6S78A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 33.45 ft
Warning Stage: 39.68 ft

Stage [ft]	Area [ac]	Area [ft2]
33.45	0.0003	13
39.68	0.0003	13
39.69	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-78A

Node: EX6S79

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.49 ft

Stage [ft]	Area [ac]	Area [ft2]
0.35	0.0003	13
9.49	0.0003	13
9.50	0.0030	131

Comment: CURB INLET, TYPE "P-5"

FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-79

Node: EX6S81

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.65 ft
Warning Stage: 9.39 ft

Stage [ft]	Area [ac]	Area [ft2]
2.65	0.0003	13
9.39	0.0003	13
9.40	0.0030	131

Comment: TYPE P-5

FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-81

Node: EX6S82

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 8.61 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.05	0.0003	13
8.61	0.0003	13
8.62	0.0030	131

Comment: INLET TYPE "P-6"

FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-82

Node: EX6S83

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 8.61 ft

Stage [ft]	Area [ac]	Area [ft2]
0.15	0.0003	13
8.61	0.0003	13
8.62	0.0030	131

Comment: CURB INLET, TYPE "P-6"

FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-83

Node: EX6S84

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 10.83 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.05	0.0003	13
10.83	0.0003	13

Comment: EXISTING MH (48"x78")

FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-84

Node: EX6S85

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.45 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.85	0.0003	13
9.45	0.0003	13

Comment: MH (48"x78")

FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-85

Node: EX6S86

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.55	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
9.00	0.0003	13
9.01	0.0030	131

Comment: DBI TYPE "D"

WARNING STAGE TAKEN FROM DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-86

Node: EX6S87

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.84 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
9.84	0.0003	13

Comment: MH TYPE "J-7" (5' ALT. B)

FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-87

Node: EX6S87A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.65 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.65	0.0003	13
9.65	0.0003	13

Comment: MH TYPE "P-7" (4' ALT. A)

FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-87A

Node: EX6S87B

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.45 ft
Warning Stage: 8.95 ft

Stage [ft]	Area [ac]	Area [ft2]
3.45	0.0003	13
8.95	0.0003	13
8.96	0.0030	131

Comment: DBI TYPE "D"

FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-87B

Node: EXCS6S65A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.05	0.0003	13
7.45	0.0003	13
7.46	0.0030	131

Comment: CHAMBER "A" OF EX6S65

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-65

Node: EXCS6S65B

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.05	0.0003	13
7.45	0.0003	13
7.46	0.0030	131

Comment: CHAMBER "B" OF EX6S65

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-65

Node: O601

Scenario: Icpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 3.61 ft
Boundary Stage: LAKE

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: POND 6E1

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 10.45 ft

Stage [ft]	Area [ac]	Area [ft2]
1.45	0.0000	0
4.20	0.0000	0
4.25	0.1300	5663
5.45	0.1300	5663

Stage [ft]	Area [ac]	Area [ft2]
10.45	0.1300	5663

Comment: COMPLETE POND "B"

From Permit No. 13-02686-P

Node: POND 6W1

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 10.45 ft

Stage [ft]	Area [ac]	Area [ft2]
1.45	0.0004	17
2.45	0.2000	8712
3.95	0.3500	15246
5.45	0.3500	15246
10.45	0.3500	15246

Comment: POND A

From Permit No. 13-02686-P

Pipe Link: CH6_1+B_S79		Upstream		Downstream	
Scenario:	Icpr3	Invert:	2.45 ft	Invert:	2.35 ft
From Node:	POND 6W1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S79	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	36.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Channel Link: CH6_1+SEC1		Upstream		Downstream	
Scenario:	Icpr3	Invert:	10.65 ft	Invert:	5.50 ft
From Node:	CH6_1+A	Manning's N:	0.0160	Manning's N:	0.0160
To Node:	POND 6W1	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	300.00 ft	Left Slope:	6.000 (h:v)	Left Slope:	6.000 (h:v)
Contraction Coef:	0.10	Right Slope:	2.000 (h:v)	Right Slope:	2.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: CONCRETE PAVED DITCH CONNECTS INTO POND A

SWALE A

Pipe Link: CH6_2+B_S50		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.45 ft	Invert:	1.25 ft
From Node:	EX6S51	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S50	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	59.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE

Channel Link: CH6_2+SEC1		Upstream		Downstream	
Scenario:	Icpr3	Invert:	5.35 ft	Invert:	5.35 ft
From Node:	CH6_2+A	Manning's N:	0.0600	Manning's N:	0.0600
To Node:	EX6S51	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft

Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	4.30 ft	Bottom Width:	5.00 ft
Length:	80.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.10	Right Slope:	2.000 (h:v)	Right Slope:	6.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0600	Manning's N:	0.0600
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0600	Manning's N:	0.0600

Comment: OPEN CHANNEL PARARELL TO RAMP "D"

Channel Link: CH6_3+SEC1		Upstream		Downstream	
Scenario:	Icpr3	Invert:	24.85 ft	Invert:	19.67 ft
From Node:	CH6_3+A	Manning's N:	0.0600	Manning's N:	0.0600
To Node:	EX6S56	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.85 ft	Bottom Width:	6.00 ft
Length:	100.00 ft	Left Slope:	6.000 (h:v)	Left Slope:	6.000 (h:v)
Contraction Coef:	0.10	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0600	Manning's N:	0.0600
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0600	Manning's N:	0.0600

Comment: OPEN CHANNEL BETWEEN STRUCTURE 2S24 AND 2S56

Weir Link: CH6_4+A_WEIR			
Scenario:	Icpr3	Bottom Clip	
From Node:	CH6_5+B	Default:	0.00 ft
To Node:	CH6_4+A	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Trapezoidal
Invert:	14.95 ft
Control Elevation:	14.95 ft
Max Depth:	9999.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	21.30 ft
Left Slope:	6.000 (h:v)
Right Slope:	4.000 (h:v)

Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Channel Link: CH6_4+SEC1		Upstream		Downstream	
Scenario:	Icpr3	Invert:	21.22 ft	Invert:	13.78 ft
From Node:	CH6_4+A	Manning's N:	0.0600	Manning's N:	0.0600
To Node:	CH6_4+B	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	200.00 ft	Left Slope:	6.000 (h:v)	Left Slope:	6.000 (h:v)
Contraction Coef:	0.10	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0600	Manning's N:	0.0600
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0600	Manning's N:	0.0600

Comment:

Channel Link: CH6_5+SEC1		Upstream		Downstream	
Scenario:	Icpr3	Invert:	13.78 ft	Invert:	7.79 ft
From Node:	CH6_5+A	Manning's N:	0.0600	Manning's N:	0.0600
To Node:	CH6_5+B	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	300.00 ft	Left Slope:	6.000 (h:v)	Left Slope:	6.000 (h:v)
Contraction Coef:	0.10	Right Slope:	6.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0600	Manning's N:	0.0600

Energy Switch:	Energy	Top Clip	
		Default:	0.00 ft
		Op Table:	
		Ref Node:	
		Manning's N:	0.0600

		Default:	0.00 ft
		Op Table:	
		Ref Node:	
		Manning's N:	0.0600

Comment:

Weir Link: CS6S65_WEIR2

Scenario:	Icpr3
From Node:	EXCS6S65B
To Node:	EX6S65C
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	3.55 ft
Control Elevation:	3.55 ft
Max Depth:	2.75 ft
Max Width:	6.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: CS6S65_WER1

Scenario:	Icpr3
From Node:	EXCS6S65A
To Node:	EXCS6S65B
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	-2.05 ft
Control Elevation:	-2.05 ft
Max Depth:	2.00 ft
Max Width:	6.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: EX6S01_S33		Upstream		Downstream	
Scenario:	Icpr3	Invert:	9.65 ft	Invert:	7.45 ft
From Node:	EX6S01	Manning's N:	0.0120	Manning's N:	0.0120

To Node:	EX6S33	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	47.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S03_CH6_1+A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	11.45 ft	Invert:	10.65 ft
From Node:	EX6S03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH6_1+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	9.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S04_S43		Upstream		Downstream	
Scenario:	Icpr3	Invert:	8.95 ft	Invert:	7.35 ft
From Node:	EX6S04	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S43	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	28.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S07_P6W		Upstream		Downstream	
Scenario:	Icpr3	Invert:	18.45 ft	Invert:	5.50 ft
From Node:	EX6S07	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 6W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	38.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 18" Pipe D/S of 2S-07
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S08_S46		Upstream		Downstream	
Scenario:	Icpr3	Invert:	2.15 ft	Invert:	1.45 ft
From Node:	EX6S08	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S46	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S09_S08		Upstream		Downstream	
Scenario:	Icpr3	Invert:	23.45 ft	Invert:	21.65 ft
From Node:	EX6S09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S08	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	42.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S10_S09		Upstream		Downstream	
Scenario:	Icpr3	Invert:	25.25 ft	Invert:	23.45 ft
From Node:	EX6S10	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S09	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	70.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S11_S10		Upstream		Downstream	
Scenario:	Icpr3	Invert:	25.45 ft	Invert:	25.25 ft
From Node:	EX6S11	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S10	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	5.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S12_S11		Upstream		Downstream	
Scenario:	Icpr3	Invert:	26.45 ft	Invert:	25.45 ft
From Node:	EX6S12	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S11	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S14_P6W		Upstream		Downstream	
Scenario:	Icpr3	Invert:	24.45 ft	Invert:	2.45 ft
From Node:	EX6S14	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 6W1	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	59.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 18" Pipe D/S of 2S-14
FROM FPID 249035-1-52-01 SEGMENT 1

Rating Curve Link: EX6S15_6GW3

Scenario: Icpr3
From Node: EX6S15
To Node: 6GW3
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX6S15_6GW3 / EX6S21_6GW3	1.45	EX6S15	1.45	EX6S15

Comment:

Pipe Link: EX6S15_S81		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.45 ft	Invert:	1.35 ft
From Node:	EX6S15	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S81	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	36.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 2 AND 3

Pipe Link: EX6S17_S15		Upstream		Downstream	
Scenario:	Icpr3	Invert:	29.95 ft	Invert:	6.45 ft
From Node:	EX6S17	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S15	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	21.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 16" pipe D/S of 2S-17
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S18_S19		Upstream		Downstream	
Scenario:	Icpr3	Invert:	30.45 ft	Invert:	2.45 ft
From Node:	EX6S18	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S19	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.72 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 16" pipe D/S of 2S-18
FROM FPID 249035-1-52-01 SEGMENT 3

Rating Curve Link: EX6S19_6GW4

Scenario: Icpr3
From Node: EX6S19
To Node: 6GW4
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX6S19_6GW4 / EX6S23_6GW4	1.45	EX6S19	1.45	EX6S19

Comment:

Pipe Link: EX6S19_S64		Upstream		Downstream	
Scenario:	Icpr3	Invert:	3.05 ft	Invert:	2.95 ft
From Node:	EX6S19	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S64	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	18.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S20_S17		Upstream		Downstream	
Scenario:	Icpr3	Invert:	30.95 ft	Invert:	30.45 ft
From Node:	EX6S20	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S17	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	76.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 18" pipe between 2S-20 and 2S-17
FROM FPID 249035-1-52-01 SEGMENT 3

Rating Curve Link: EX6S21_6GW3

Scenario:	Icpr3
From Node:	EX6S21
To Node:	6GW3
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX6S15_6GW3 / EX6S21_6GW3	1.45	EX6S21	1.45	EX6S21

Comment:

Pipe Link: EX6S21_S15		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	EX6S21	Manning's N:	0.0120	Manning's N:	0.0120

To Node:	EX6S15	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	212.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: FD
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S22_S23		Upstream		Downstream	
Scenario:	Icpr3	Invert:	31.85 ft	Invert:	6.45 ft
From Node:	EX6S22	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S23	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	25.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 16" pipe D/S of 2S-22
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S23A_S23		Upstream		Downstream	
Scenario:	Icpr3	Invert:	6.45 ft	Invert:	5.45 ft
From Node:	EX6S23A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S23	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	145.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S23B_S23A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	33.35 ft	Invert:	9.25 ft
From Node:	EX6S23B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S23A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	25.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 16" Pipe D/S of 2S-23A
FROM FPID 249035-1-52-01 SEGMENT 3

Rating Curve Link: EX6S23_6GW4

Scenario:	Icpr3
From Node:	EX6S23
To Node:	6GW4
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX6S19_6GW4 / EX6S23_6GW4	1.45	EX6S23	1.45	EX6S23

Comment:

Pipe Link: EX6S23_S19		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	EX6S23	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S19	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	175.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: FD
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S24_CH6_3+A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	24.95 ft	Invert:	24.85 ft
From Node:	EX6S24	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH6_3+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	8.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S25_S24		Upstream		Downstream	
Scenario:	Icpr3	Invert:	32.45 ft	Invert:	31.85 ft
From Node:	EX6S25	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S24	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	33.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S26_S27		Upstream		Downstream	
Scenario:	Icpr3	Invert:	34.45 ft	Invert:	11.85 ft
From Node:	EX6S26	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S27	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	22.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 16" pipe D/S of 2S-26
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S27_6S23A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	9.45 ft	Invert:	9.15 ft
From Node:	EX6S27	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S23A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	146.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S28_S25		Upstream		Downstream	
Scenario:	Icpr3	Invert:	34.85 ft	Invert:	33.95 ft
From Node:	EX6S28	Manning's N:	0.0120	Manning's N:	0.0120

To Node:	EX6S25	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	97.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S29_S61		Upstream		Downstream	
Scenario:	Icpr3	Invert:	28.95 ft	Invert:	28.25 ft
From Node:	EX6S29	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S61	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	142.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S30_S29		Upstream		Downstream	
Scenario:	Icpr3	Invert:	36.45 ft	Invert:	29.05 ft
From Node:	EX6S30	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S29	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 16" pipe D/S of 2S-30
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S31_S32		Upstream		Downstream	
Scenario:	Icpr3	Invert:	35.45 ft	Invert:	21.05 ft
From Node:	EX6S31	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S32	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	14.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 16" pipe D/S of 2S-31
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S32_S71		Upstream		Downstream	
Scenario:	Icpr3	Invert:	20.95 ft	Invert:	19.35 ft
From Node:	EX6S32	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S71	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S33_S34		Upstream		Downstream	
Scenario:	Icpr3	Invert:	7.45 ft	Invert:	4.95 ft
From Node:	EX6S33	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S34	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	57.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Rating Curve Link: EX6S34_6GW0

Scenario: Icpr3
From Node: EX6S34
To Node: 6GW0
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX6S34_6GW0 / EX6S35_6GW0	1.45	EX6S34	1.45	EX6S34

Comment:

Pipe Link: EX6S34_S35		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	EX6S34	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S35	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	295.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: FD
FROM FPID 249035-1-52-01 SEGMENT 1

Rating Curve Link: EX6S35_6GW0

Scenario: Icpr3
From Node: EX6S35
To Node: 6GW0
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX6S34_6GW0 / EX6S35_6GW0	1.45	EX6S35	1.45	EX6S35

Comment:

Rating Curve Link: EX6S35_6GW1

Scenario: Icpr3
From Node: EX6S35
To Node: 6GW1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX6S35_6GW1 / EX6S37_6GW1	1.45	EX6S35	1.45	EX6S35

Comment:

Pipe Link: EX6S35_S37

Scenario: Icpr3
From Node: EX6S35
To Node: EX6S37
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 295.00 ft
FHWA Code: 1
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	1.45 ft	Invert:	1.45 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0120	Manning's N:	0.0120
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0120	Manning's N:	0.0120

Comment: FD
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S36_S35		Upstream		Downstream	
Scenario:	Icpr3	Invert:	6.15 ft	Invert:	2.95 ft
From Node:	EX6S36	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S35	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	14.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S37-CH6_1+B		Upstream		Downstream	
Scenario:	Icpr3	Invert:	2.55 ft	Invert:	2.45 ft
From Node:	EX6S37	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 6W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	61.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Rating Curve Link: EX6S37_6GW1	
Scenario:	Icpr3
From Node:	EX6S37

To Node: 6GW1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX6S35_6GW1 / EX6S37_6GW1	1.45	EX6S37	1.45	EX6S37

Comment:

Pipe Link: EX6S39_S37		Upstream		Downstream	
Scenario:	Icpr3	Invert:	4.45 ft	Invert:	3.95 ft
From Node:	EX6S39	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S37	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	96.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S40_S42		Upstream		Downstream	
Scenario:	Icpr3	Invert:	7.05 ft	Invert:	5.45 ft
From Node:	EX6S40	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S42	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	38.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 2

Pipe Link: EX6S41_S42		Upstream		Downstream	
Scenario:	Icpr3	Invert:	4.05 ft	Invert:	4.05 ft
From Node:	EX6S41	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S42	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	2.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 2

Rating Curve Link: EX6S42A_6GW1

Scenario: Icpr3
From Node: EX6S42A
To Node: 6GW1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX6S42_6GW1 / EX6S42A_6GW1	1.45	EX6S42A	1.45	EX6S42A

Comment:

Pipe Link: EX6S42A_S42		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	EX6S42A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S42	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	108.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: FD
FROM FPID 249035-1-52-01 SEGMENT 2

Rating Curve Link: EX6S42_6GW1

Scenario: Icpr3
From Node: EX6S42
To Node: 6GW1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX6S42_6GW1 / EX6S42A_6GW1	1.45	EX6S42	1.45	EX6S42

Comment:

Pipe Link: EX6S43_S44		Upstream		Downstream	
Scenario:	Icpr3	Invert:	7.35 ft	Invert:	6.15 ft
From Node:	EX6S43	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S44	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	195.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S44_S45		Upstream		Downstream	
Scenario:	Icpr3	Invert:	5.65 ft	Invert:	5.45 ft
From Node:	EX6S44	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S45	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	99.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S45_S46		Upstream		Downstream	
Scenario:	Icpr3	Invert:	5.45 ft	Invert:	4.25 ft
From Node:	EX6S45	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S46	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	82.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Rating Curve Link: EX6S46_6GW2

Scenario:	Icpr3
From Node:	EX6S46
To Node:	6GW2
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX6S46_6GW2 / EX6S48_6GW2	1.45	EX6S46	1.45	EX6S46

Comment:

Pipe Link: EX6S46_S48		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	EX6S46	Manning's N:	0.0120	Manning's N:	0.0120

		Geometry: Circular		Geometry: Circular	
To Node:	EX6S48	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	195.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0120	Manning's N:	0.0120
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0120	Manning's N:	0.0120

Comment: FD
FROM FPID 249035-1-52-01 SEGMENT 1

Rating Curve Link: EX6S48_6GW2

Scenario: Icpr3
From Node: EX6S48
To Node: 6GW2
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX6S46_6GW2 / EX6S48_6GW2	1.45	EX6S48	1.45	EX6S48

Comment:

Rating Curve Link: EX6S48_6GW2A

Scenario: Icpr3
From Node: EX6S48
To Node: 6GW2A
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX6S48_6GW2A / EX6S87_6GW2A	1.45	EX6S87	1.45	EX6S87

Comment:

Pipe Link: EX6S48_S87		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	EX6S48	Manning's N:	0.0120	Manning's N:	0.0120

To Node:	EX6S87	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	150.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: FD
FROM FPID 249035-1-52-01 SEGMENT 1 AND 2

Pipe Link: EX6S50_S15		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.25 ft	Invert:	0.95 ft
From Node:	EX6S50	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S15	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	87.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Rating Curve Link: EX6S51A_6GW3

Scenario:	Icpr3
From Node:	EX6S51A
To Node:	6GW3
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX6S51_6GW3 / EX6S51A_6GW3	1.45	EX6S51	1.45	EX6S51

Comment:

Pipe Link: EX6S51A_EX6S51		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	EX6S51A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S51	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" FD
FROM FPID 249035-1-52-01 SEGMENT 2

Rating Curve Link: EX6S51_6GW3

Scenario: Icpr3
From Node: EX6S51
To Node: 6GW3
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX6S51_6GW3 / EX6S51A_6GW3	1.45	EX6S51	1.45	EX6S51

Comment:

Pipe Link: EX6S53_CH6_2+A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	5.45 ft	Invert:	5.35 ft
From Node:	EX6S53	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH6_2+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: FROM FPID 249035-1-52-01
SEGMENT 3

Pipe Link: EX6S55_S56		Upstream		Downstream	
Scenario:	Icpr3	Invert:	17.95 ft	Invert:	15.55 ft
From Node:	EX6S55	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S56	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	87.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S56_S21		Upstream		Downstream	
Scenario:	Icpr3	Invert:	15.55 ft	Invert:	4.25 ft
From Node:	EX6S56	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S21	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	190.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S57_S56		Upstream		Downstream	
Scenario:	Icpr3	Invert:	23.95 ft	Invert:	15.55 ft
From Node:	EX6S57	Manning's N:	0.0120	Manning's N:	0.0120

To Node:	EX6S56	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	260.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S58_S57		Upstream		Downstream	
Scenario:	Icpr3	Invert:	26.05 ft	Invert:	25.95 ft
From Node:	EX6S58	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S57	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	12.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S59_S60		Upstream		Downstream	
Scenario:	Icpr3	Invert:	27.45 ft	Invert:	27.15 ft
From Node:	EX6S59	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S60	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	38.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S60_S57		Upstream		Downstream	
Scenario:	Icpr3	Invert:	27.95 ft	Invert:	23.95 ft
From Node:	EX6S60	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S57	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	103.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S61_S60		Upstream		Downstream	
Scenario:	Icpr3	Invert:	28.25 ft	Invert:	27.95 ft
From Node:	EX6S61	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S60	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	38.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S62A_S65A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.45 ft	Invert:	1.35 ft
From Node:	EX6S62A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EXCS6S65A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	12.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S62_S62A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	3.55 ft	Invert:	1.45 ft
From Node:	EX6S62	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S62A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	48.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S63_S64		Upstream		Downstream	
Scenario:	Icpr3	Invert:	3.55 ft	Invert:	2.95 ft
From Node:	EX6S63	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S64	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	58.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S64_S65A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	2.95 ft	Invert:	3.00 ft
From Node:	EX6S64	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EXCS6S65A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	70.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING SOUTHERN PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S65C_0601		Upstream		Downstream	
Scenario:	Icpr3	Invert:	0.45 ft	Invert:	0.35 ft
From Node:	EX6S65C	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	O601	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	21.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: PIPE GOES INTO THE LAKE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S68_S23		Upstream		Downstream	
Scenario:	Icpr3	Invert:	3.75 ft	Invert:	3.55 ft
From Node:	EX6S68	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S23	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	78.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Weir Link: EX6S68_WEIR			
Scenario:	Icpr3	Bottom Clip	
From Node:	CH6_4+B	Default:	0.00 ft
To Node:	EX6S68	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	7.79 ft	Discharge Coefficients	
Control Elevation:	7.79 ft	Weir Default:	3.200
Max Depth:	1.92 ft	Weir Table:	
Max Width:	3.25 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EX6S69_S27		Upstream		Downstream	
Scenario:	Icpr3	Invert:	9.65 ft	Invert:	9.45 ft
From Node:	EX6S69	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S27	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	61.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Weir Link: EX6S69_WEIR

Scenario:	Icpr3	**Bottom Clip**	
From Node:	CH6_5+B	Default:	0.00 ft
To Node:	EX6S69	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	None	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	14.05 ft	**Discharge Coefficients**	
Control Elevation:	14.05 ft	Weir Default:	3.200
Max Depth:	1.92 ft	Weir Table:	
Max Width:	3.25 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EX6S70_S69

		Upstream		Downstream	
Scenario:	Icpr3	Invert:	16.25 ft	Invert:	9.65 ft
From Node:	EX6S70	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S69	**Geometry: Circular**		**Geometry: Circular**	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	**Bottom Clip**			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	209.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	**Top Clip**			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Weir Link: EX6S70_WEIR

Scenario:	Icpr3
From Node:	CH6_5+A
To Node:	EX6S70
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	21.22 ft
Control Elevation:	21.22 ft
Max Depth:	1.92 ft
Max Width:	3.25 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: 50% BLOGGED

Pipe Link: EX6S71_S70		Upstream		Downstream	
Scenario:	Icpr3	Invert:	19.35 ft	Invert:	16.25 ft
From Node:	EX6S71	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S70	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	182.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S72_S12		Upstream		Downstream	
Scenario:	Icpr3	Invert:	29.35 ft	Invert:	26.45 ft
From Node:	EX6S72	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S12	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	189.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S74_4+A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	22.15 ft	Invert:	12.79 ft
From Node:	EX6S74	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH6_4+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 16" pipe D/S of 2S-74
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S75A_S70		Upstream		Downstream	
Scenario:	Icpr3	Invert:	17.75 ft	Invert:	16.25 ft
From Node:	EX6S75A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S70	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	36.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S75B_S75A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	18.45 ft	Invert:	17.75 ft
From Node:	EX6S75B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S75A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S75_S75A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	18.25 ft	Invert:	17.75 ft
From Node:	EX6S75	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S75A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	42.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S76_S71		Upstream		Downstream	
Scenario:	Icpr3	Invert:	19.45 ft	Invert:	19.35 ft
From Node:	EX6S76	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S71	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	21.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S77A_S77		Upstream		Downstream	
Scenario:	Icpr3	Invert:	27.15 ft	Invert:	22.95 ft
From Node:	EX6S77A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S77	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	143.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S77_S76		Upstream		Downstream	
Scenario:	Icpr3	Invert:	22.95 ft	Invert:	20.05 ft
From Node:	EX6S77	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S76	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	139.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S78A_S78		Upstream		Downstream	
Scenario:	Icpr3	Invert:	35.45 ft	Invert:	32.55 ft
From Node:	EX6S78A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S78	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	118.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S78_S77A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	32.55 ft	Invert:	27.15 ft
From Node:	EX6S78	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S77A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	147.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S79_S83		Upstream		Downstream	
Scenario:	Icpr3	Invert:	2.35 ft	Invert:	2.15 ft
From Node:	EX6S79	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S83	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	173.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 2

Rating Curve Link: EX6S81_6GW3

Scenario: Icpr3
From Node: EX6S81
To Node: 6GW3
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX6S82_6GW3 / EX6S81_6GW3	1.45	EX6S81	1.45	EX6S81

Comment:

Pipe Link: EX6S81_S82		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	EX6S81	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S82	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	151.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: FD
FROM FPID 249035-1-52-01 SEGMENT 2

Rating Curve Link: EX6S82_6GW3

Scenario: Icpr3
From Node: EX6S82

To Node: 6GW3
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX6S82_6GW3 / EX6S81_6GW3	1.45	EX6S82	1.45	EX6S82

Comment:

Pipe Link: EX6S82_S84		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.45 ft	Invert:	0.95 ft
From Node:	EX6S82	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S84	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	95.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 2

Pipe Link: EX6S83_S85		Upstream		Downstream	
Scenario:	Icpr3	Invert:	2.15 ft	Invert:	1.15 ft
From Node:	EX6S83	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S85	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	90.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 2

Pipe Link: EX6S84_S63		Upstream		Downstream	
Scenario:	Icpr3	Invert:	3.62 ft	Invert:	3.55 ft
From Node:	EX6S84	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S63	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	39.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: CONST. SOLID PIPE (2-24"), EXISTING PIPE 23.0' AND PROPOSED 16.0'
FROM FPID 249035-1-52-01 SEGMENT 2

Pipe Link: EX6S85_S84		Upstream		Downstream	
Scenario:	Icpr3	Invert:	3.70 ft	Invert:	3.62 ft
From Node:	EX6S85	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S84	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	82.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: INCLUDES 61.0 L.F. OF EXISTING SOLID PIPE (2-24")
FROM FPID 249035-1-52-01 SEGMENT 2

Pipe Link: EX6S86_S85		Upstream		Downstream	
Scenario:	Icpr3	Invert:	3.75 ft	Invert:	3.70 ft
From Node:	EX6S86	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S85	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 2

Pipe Link: EX6S87A_S85		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.35 ft	Invert:	1.15 ft
From Node:	EX6S87A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S85	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	37.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 2

Pipe Link: EX6S87B_S87A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	5.45 ft	Invert:	4.45 ft
From Node:	EX6S87B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S87A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	14.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01SEGMENT 2

Rating Curve Link: EX6S87_6GW2A

Scenario: Icpr3
From Node: EX6S87
To Node: 6GW2A
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX6S48_6GW2A / EX6S87_6GW2A	1.45	EX6S87	1.45	EX6S87

Comment:

Pipe Link: EX6S87_S87A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.45 ft	Invert:	1.35 ft
From Node:	EX6S87	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S87A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	55.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 2

Pipe Link: PND6E1_S46		Upstream		Downstream	
Scenario:	Icpr3	Invert:	2.70 ft	Invert:	2.25 ft
From Node:	POND 6E1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S46	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	16.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PND6E1_S48		Upstream		Downstream	
Scenario:	Icpr3	Invert:	2.70 ft	Invert:	1.45 ft
From Node:	POND 6E1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S48	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	13.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Rating Curve: EX6S15_6GW3 / EX6S21_6GW3

Scenario: Icpr3
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.20	5.56
1.45	9.45	7.35
2.94	2.94	0.00
2.94	4.20	2.64
2.94	9.45	7.35

Comment:

Rating Curve: EX6S19_6GW4 / EX6S23_6GW4

Scenario: Icpr3
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.20	4.51

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	8.45	5.96
2.94	2.94	0.00
2.94	4.20	2.14
2.94	8.45	5.96

Comment:

Rating Curve: EX6S34_6GW0 / EX6S35_6GW0

Scenario: Icpr3

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	9.51
1.45	12.45	10.46
2.94	2.94	0.00
2.94	4.65	5.26
2.94	12.45	10.46

Comment:

Rating Curve: EX6S35_6GW1 / EX6S37_6GW1

Scenario: Icpr3

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	9.51
1.45	12.45	10.46
2.94	2.94	0.00
2.94	4.65	5.26
2.94	12.45	10.46

Comment:

Rating Curve: EX6S42_6GW1 / EX6S42A_6GW1

Scenario: Icpr3

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	4.65	3.41
1.45	8.45	3.75
2.94	2.94	0.00
2.94	4.65	1.89
2.94	8.45	3.75

Comment:

Rating Curve: EX6S46_6GW2 / EX6S48_6GW2

Scenario: Icpr3

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	6.10
1.45	8.82	6.71
2.94	2.94	0.00
2.94	4.65	3.38
2.94	8.82	6.71

Comment:

Rating Curve: EX6S48_6GW2A / EX6S87_6GW2A

Scenario: Icpr3

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.20	3.80
1.45	8.82	5.03
2.94	2.94	0.00
2.94	4.20	1.81
2.94	8.82	5.03

Comment:

Rating Curve: EX6S51_6GW3 / EX6S51A_6GW3

Scenario: Icpr3

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.20	1.19
1.45	7.05	1.58
2.94	2.94	0.00
2.94	4.20	0.57
2.94	7.05	1.58

Comment:

Rating Curve: EX6S82_6GW3 / EX6S81_6GW3

Scenario: Icpr3
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.20	2.96
1.45	9.89	5.08
2.94	2.94	0.00
2.94	4.20	1.42
2.94	9.89	5.08

Comment:

Simulation: 100YR-1HR

Scenario: Icpr3
Run Date/Time: 8/19/2019 6:21:28 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	5.10 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100YR-24HR

Scenario: Icpr3
Run Date/Time: 8/19/2019 6:21:49 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 100y-24hr
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:

Vertical Layers Set:	
Impervious Set:	
Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	13.44 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100YR-8HR

Scenario:	Icpr3
Run Date/Time:	8/19/2019 6:22:45 PM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 100y-8hr
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-8
Rainfall Amount: 9.60 in
Storm Duration: 8.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2

Energy Switch (2D): Energy

Energy Switch (1D): Energy

Comment:

Simulation: 10YR-1HR

Scenario: Icpr3
Run Date/Time: 8/19/2019 6:23:28 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:

Folder:

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.55 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-24HR

Scenario: Icpr3
Run Date/Time: 8/19/2019 6:23:47 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 10y-24hr
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 8.88 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft

Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-8HR

Scenario: Icpr3
Run Date/Time: 8/19/2019 6:24:33 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Lookup Tables

Boundary Stage Set: 10y-8hr

Reference ET Folder:		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	
		Roughness Set:	
		Crop Coef Set:	
		Fillable Porosity Set:	
		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	6.80 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25YR-72HR

Scenario:	Icpr3
Run Date/Time:	8/19/2019 6:25:11 PM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000

Max Calculation Time: 30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 25y-72hr
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~SFWMD-72
Rainfall Amount: 14.00 in
Storm Duration: 72.0000 hr

Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Node Max Conditions [Icpr3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
6GW0	100YR-1HR	3.61	1.45	0.0000	9.51	0.00	0
6GW1	100YR-1HR	3.61	1.45	0.0000	12.33	0.00	0
6GW2	100YR-1HR	7.45	1.45	0.0000	12.32	0.00	0
6GW2A	100YR-1HR	7.45	1.45	0.0000	8.02	0.00	0
6GW3	100YR-1HR	3.61	1.45	0.0000	22.31	0.00	0
6GW4	100YR-1HR	3.61	1.45	0.0000	10.70	0.00	0
CH6_1+A	100YR-1HR	12.45	10.89	0.0001	3.76	3.76	1537
CH6_2+A	100YR-1HR	7.55	6.13	0.0003	3.39	3.36	661
CH6_3+A	100YR-1HR	27.26	25.19	0.0021	9.93	5.09	908
CH6_4+A	100YR-1HR	21.22	15.11	0.0005	4.54	4.54	113
CH6_4+B	100YR-1HR	13.78	7.79	0.0000	0.00	0.00	113
CH6_5+A	100YR-1HR	21.62	13.78	0.0000	0.00	0.00	113
CH6_5+B	100YR-1HR	17.05	12.21	0.0008	4.54	0.00	6008
EX6S01	100YR-1HR	14.19	10.33	0.0006	1.80	1.80	113
EX6S03	100YR-1HR	16.39	12.48	0.0009	3.77	3.76	113
EX6S04	100YR-1HR	16.29	9.77	0.0007	2.51	2.51	113
EX6S07	100YR-1HR	24.61	19.36	0.0009	3.77	3.76	113
EX6S08	100YR-1HR	26.77	19.65	0.0252	8.50	28.53	113
EX6S09	100YR-1HR	27.93	24.99	0.0012	6.55	6.54	113
EX6S10	100YR-1HR	29.77	26.65	0.0010	5.72	5.69	113
EX6S11	100YR-1HR	29.78	26.65	0.0009	1.25	1.27	113
EX6S12	100YR-1HR	30.97	26.93	0.0010	1.02	1.02	153
EX6S14	100YR-1HR	31.48	25.38	0.0010	4.00	4.00	113
EX6S15	100YR-1HR	9.00	6.00	0.0042	21.01	20.53	3337
EX6S17	100YR-1HR	35.31	30.76	0.0013	4.70	4.70	113
EX6S18	100YR-1HR	35.67	30.99	0.0004	1.88	1.88	113
EX6S19	100YR-1HR	8.00	5.86	0.0018	24.19	24.18	193
EX6S20	100YR-1HR	35.45	32.01	0.0009	3.69	3.68	113
EX6S21	100YR-1HR	10.50	6.66	0.0010	18.89	18.77	397
EX6S22	100YR-1HR	36.50	32.32	0.0013	1.49	2.87	113
EX6S23	100YR-1HR	10.09	7.45	0.0021	26.04	25.98	327
EX6S23A	100YR-1HR	14.83	10.17	0.0018	24.35	24.34	273
EX6S23B	100YR-1HR	37.55	33.80	0.0012	1.57	2.67	113
EX6S24	100YR-1HR	36.31	27.85	0.0088	5.09	9.93	113
EX6S25	100YR-1HR	38.60	33.57	0.0017	4.08	4.08	113
EX6S26	100YR-1HR	38.60	35.18	0.0012	4.16	4.15	113
EX6S27	100YR-1HR	18.30	12.84	0.0009	22.55	22.54	381
EX6S28	100YR-1HR	39.30	35.79	0.0008	3.06	3.06	113
EX6S29	100YR-1HR	32.58	30.09	0.0015	4.15	4.15	143
EX6S30	100YR-1HR	41.40	37.24	0.0010	3.69	3.68	113
EX6S31	100YR-1HR	40.51	36.26	0.0012	4.47	4.47	113
EX6S32	100YR-1HR	26.57	22.24	0.0014	5.11	5.10	113
EX6S33	100YR-1HR	10.11	8.13	0.0010	1.80	1.80	113
EX6S34	100YR-1HR	9.70	3.05	0.0006	4.89	4.75	345
EX6S35	100YR-1HR	8.45	3.05	0.0006	10.31	10.42	611
EX6S36	100YR-1HR	10.92	6.72	0.0006	1.73	1.72	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S37	100YR-1HR	9.54	3.24	0.0007	11.28	11.37	421
EX6S39	100YR-1HR	9.11	4.82	0.0006	0.55	0.55	113
EX6S40	100YR-1HR	9.65	5.05	0.0000	0.00	0.00	113
EX6S41	100YR-1HR	8.50	4.67	0.0006	1.57	1.57	113
EX6S42	100YR-1HR	8.45	2.73	0.0003	2.74	2.72	121
EX6S42A	100YR-1HR	3.45	2.72	0.0003	1.37	1.35	121
EX6S43	100YR-1HR	12.51	8.35	0.0012	3.37	3.37	180
EX6S44	100YR-1HR	11.33	7.06	0.0009	7.36	7.36	257
EX6S45	100YR-1HR	11.01	6.83	0.0011	7.36	7.35	193
EX6S46	100YR-1HR	9.94	5.08	0.0252	28.53	21.41	310
EX6S48	100YR-1HR	8.82	5.00	0.0030	14.39	14.15	370
EX6S50	100YR-1HR	7.87	6.02	0.0010	3.62	3.78	159
EX6S51	100YR-1HR	5.35	6.03	0.0010	5.22	5.55	579
EX6S51A	100YR-1HR	6.00	6.03	0.0009	1.94	1.44	113
EX6S53	100YR-1HR	9.57	6.57	0.0008	3.37	3.39	113
EX6S55	100YR-1HR	22.61	18.83	0.0007	2.75	2.74	113
EX6S56	100YR-1HR	19.68	18.16	0.0023	18.17	18.17	521
EX6S57	100YR-1HR	30.41	25.60	0.0031	9.75	9.75	370
EX6S58	100YR-1HR	34.05	26.49	0.0005	0.78	0.78	113
EX6S59	100YR-1HR	32.05	29.48	0.0013	3.06	3.04	113
EX6S60	100YR-1HR	33.39	29.43	0.0026	8.29	8.29	160
EX6S61	100YR-1HR	33.33	29.48	0.0014	5.27	5.27	157
EX6S62	100YR-1HR	6.95	4.69	0.0015	1.74	0.21	113
EX6S62A	100YR-1HR	6.31	4.69	0.0008	2.86	2.83	113
EX6S63	100YR-1HR	8.34	5.07	0.0013	3.48	3.19	188
EX6S64	100YR-1HR	8.45	5.07	0.0009	19.11	19.07	247
EX6S65C	100YR-1HR	7.45	3.02	0.0013	19.26	19.26	113
EX6S68	100YR-1HR	7.79	7.45	0.0040	4.50	0.71	113
EX6S69	100YR-1HR	14.05	13.47	0.0018	17.99	17.98	283
EX6S70	100YR-1HR	21.22	18.69	0.0020	16.71	16.71	431
EX6S71	100YR-1HR	25.66	21.41	0.0017	13.31	13.31	250
EX6S72	100YR-1HR	34.10	29.86	0.0005	1.02	1.02	147
EX6S74	100YR-1HR	23.65	22.89	0.0005	2.51	2.51	113
EX6S75	100YR-1HR	22.84	18.80	0.0005	1.18	1.18	113
EX6S75A	100YR-1HR	22.72	18.71	0.0010	2.35	2.34	113
EX6S75B	100YR-1HR	22.83	18.86	0.0004	0.71	0.71	113
EX6S76	100YR-1HR	24.27	21.49	0.0010	8.22	8.21	134
EX6S77	100YR-1HR	27.93	24.50	0.0007	6.58	6.57	223
EX6S77A	100YR-1HR	32.32	28.44	0.0012	5.09	5.09	230
EX6S78	100YR-1HR	36.81	33.61	0.0013	3.76	3.76	212
EX6S78A	100YR-1HR	39.68	36.27	0.0007	2.43	2.43	113
EX6S79	100YR-1HR	9.49	4.71	0.0010	11.07	10.98	251
EX6S81	100YR-1HR	9.39	5.68	0.0062	14.97	14.93	196
EX6S82	100YR-1HR	8.61	5.25	0.0023	12.17	12.14	258
EX6S83	100YR-1HR	8.61	4.85	0.0009	10.63	10.55	324
EX6S84	100YR-1HR	10.83	5.06	0.0009	11.78	11.69	370
EX6S85	100YR-1HR	9.45	4.97	0.0019	11.80	11.60	264

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S86	100YR-1HR	9.00	4.98	0.0016	1.84	0.43	113
EX6S87	100YR-1HR	9.84	4.97	0.0014	8.42	8.51	218
EX6S87A	100YR-1HR	9.65	4.97	0.0012	8.33	8.42	113
EX6S87B	100YR-1HR	8.95	5.90	0.0007	0.91	0.91	113
EXCS6S65A	100YR-1HR	7.45	4.66	0.0010	19.27	19.26	137
EXCS6S65B	100YR-1HR	7.45	4.55	0.0010	19.26	19.26	113
O601	100YR-1HR	3.61	1.45	0.0000	19.26	0.00	0
POND 6E1	100YR-1HR	10.45	5.07	0.0044	11.60	8.93	5679
POND 6W1	100YR-1HR	10.45	4.71	0.0010	30.07	15.51	16373
6GW0	100YR-24HR	3.61	2.45	0.0006	2.73	0.01	0
6GW1	100YR-24HR	3.61	2.45	0.0006	3.42	0.09	0
6GW2	100YR-24HR	7.45	2.45	0.0006	6.17	0.00	0
6GW2A	100YR-24HR	7.45	2.45	0.0006	3.24	0.00	0
6GW3	100YR-24HR	3.61	2.45	0.0006	6.83	0.00	0
6GW4	100YR-24HR	3.61	2.45	0.0006	5.41	0.01	0
CH6_1+A	100YR-24HR	12.45	10.73	0.0001	0.65	0.65	1535
CH6_2+A	100YR-24HR	7.55	5.66	0.0001	0.58	0.58	505
CH6_3+A	100YR-24HR	27.26	25.08	0.0021	9.93	2.59	812
CH6_4+A	100YR-24HR	21.22	15.01	0.0006	1.06	1.06	113
CH6_4+B	100YR-24HR	13.78	7.79	0.0000	0.00	0.00	113
CH6_5+A	100YR-24HR	21.62	14.71	0.0001	0.31	0.00	4832
CH6_5+B	100YR-24HR	17.05	14.71	0.0005	1.06	0.31	10948
EX6S01	100YR-24HR	14.19	9.90	0.0004	0.31	0.31	113
EX6S03	100YR-24HR	16.39	11.81	0.0009	0.65	0.65	113
EX6S04	100YR-24HR	16.29	9.25	0.0006	0.43	0.43	113
EX6S07	100YR-24HR	24.61	18.68	0.0010	0.65	0.65	113
EX6S08	100YR-24HR	26.77	19.65	0.0252	1.54	28.53	113
EX6S09	100YR-24HR	27.93	23.99	0.0010	1.21	1.20	113
EX6S10	100YR-24HR	29.77	25.76	0.0010	1.06	1.06	113
EX6S11	100YR-24HR	29.78	25.77	0.0010	0.29	0.29	113
EX6S12	100YR-24HR	30.97	26.62	0.0009	0.18	0.18	113
EX6S14	100YR-24HR	31.48	24.68	0.0010	0.69	0.69	113
EX6S15	100YR-24HR	9.00	2.94	0.0042	5.73	3.79	350
EX6S17	100YR-24HR	35.31	30.30	0.0003	0.81	0.81	113
EX6S18	100YR-24HR	35.67	30.67	0.0003	0.32	0.32	113
EX6S19	100YR-24HR	8.00	3.70	0.0006	3.18	3.19	191
EX6S20	100YR-24HR	35.45	31.35	0.0009	0.64	0.64	113
EX6S21	100YR-24HR	10.50	2.96	0.0006	3.85	3.84	374
EX6S22	100YR-24HR	36.50	32.04	0.0003	0.26	0.26	113
EX6S23	100YR-24HR	10.09	3.72	0.0006	4.97	4.98	320
EX6S23A	100YR-24HR	14.83	7.50	0.0010	4.62	4.62	166
EX6S23B	100YR-24HR	37.55	33.55	0.0003	0.27	0.27	113
EX6S24	100YR-24HR	36.31	27.85	0.0088	0.88	9.93	113
EX6S25	100YR-24HR	38.60	32.86	0.0010	0.70	0.70	113
EX6S26	100YR-24HR	38.60	34.78	0.0007	0.72	0.72	113
EX6S27	100YR-24HR	18.30	10.46	0.0010	4.26	4.26	372
EX6S28	100YR-24HR	39.30	35.21	0.0007	0.53	0.53	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S29	100YR-24HR	32.58	29.41	0.0009	0.85	0.85	142
EX6S30	100YR-24HR	41.40	36.76	0.0007	0.64	0.64	113
EX6S31	100YR-24HR	40.51	35.79	0.0008	0.77	0.77	113
EX6S32	100YR-24HR	26.57	21.44	0.0010	1.00	1.00	113
EX6S33	100YR-24HR	10.11	7.70	0.0010	0.31	0.31	113
EX6S34	100YR-24HR	9.70	2.56	0.0006	1.41	1.40	334
EX6S35	100YR-24HR	8.45	2.56	0.0009	2.74	2.73	608
EX6S36	100YR-24HR	10.92	6.31	0.0010	0.30	0.30	113
EX6S37	100YR-24HR	9.54	2.56	0.0006	1.96	1.97	352
EX6S39	100YR-24HR	9.11	4.60	0.0005	0.09	0.09	113
EX6S40	100YR-24HR	9.65	5.05	0.0000	0.00	0.00	113
EX6S41	100YR-24HR	8.50	4.30	0.0004	0.27	0.27	113
EX6S42	100YR-24HR	8.45	2.51	0.0006	0.68	0.69	121
EX6S42A	100YR-24HR	3.45	2.51	0.0006	0.35	0.34	121
EX6S43	100YR-24HR	12.51	7.73	0.0008	0.58	0.58	155
EX6S44	100YR-24HR	11.33	6.18	0.0009	1.27	1.27	216
EX6S45	100YR-24HR	11.01	5.97	0.0010	1.27	1.27	169
EX6S46	100YR-24HR	9.94	3.79	0.0252	28.53	21.41	298
EX6S48	100YR-24HR	8.82	3.15	0.0030	12.02	9.15	371
EX6S50	100YR-24HR	7.87	2.95	0.0010	1.09	1.03	159
EX6S51	100YR-24HR	5.35	2.95	0.0010	1.19	2.11	122
EX6S51A	100YR-24HR	6.00	2.95	0.0009	0.83	0.42	113
EX6S53	100YR-24HR	9.57	5.83	0.0008	0.58	0.58	113
EX6S55	100YR-24HR	22.61	18.28	0.0007	0.47	0.47	113
EX6S56	100YR-24HR	19.68	16.43	0.0023	3.54	3.54	515
EX6S57	100YR-24HR	30.41	24.59	0.0010	1.95	1.94	343
EX6S58	100YR-24HR	34.05	26.23	0.0006	0.14	0.14	113
EX6S59	100YR-24HR	32.05	28.54	0.0010	0.53	0.77	113
EX6S60	100YR-24HR	33.39	28.54	0.0010	1.72	1.66	154
EX6S61	100YR-24HR	33.33	28.74	0.0009	1.13	1.13	146
EX6S62	100YR-24HR	6.95	3.70	0.0006	0.05	0.06	113
EX6S62A	100YR-24HR	6.31	3.69	0.0010	0.53	0.91	113
EX6S63	100YR-24HR	8.34	3.69	0.0004	0.08	0.04	123
EX6S64	100YR-24HR	8.45	3.70	0.0010	0.52	0.58	210
EX6S65C	100YR-24HR	7.45	2.45	0.0010	0.99	1.05	113
EX6S68	100YR-24HR	7.79	1.75	0.0000	0.00	0.00	113
EX6S69	100YR-24HR	14.05	10.55	0.0010	3.41	3.41	250
EX6S70	100YR-24HR	21.22	17.07	0.0010	3.06	3.06	417
EX6S71	100YR-24HR	25.66	20.08	0.0010	2.42	2.42	244
EX6S72	100YR-24HR	34.10	29.55	0.0005	0.18	0.18	113
EX6S74	100YR-24HR	23.65	22.44	0.0005	0.43	0.43	113
EX6S75	100YR-24HR	22.84	18.47	0.0003	0.20	0.20	113
EX6S75A	100YR-24HR	22.72	18.05	0.0010	0.41	0.41	113
EX6S75B	100YR-24HR	22.83	18.61	0.0006	0.12	0.12	113
EX6S76	100YR-24HR	24.27	20.11	0.0005	1.42	1.42	119
EX6S77	100YR-24HR	27.93	23.48	0.0007	1.14	1.14	211
EX6S77A	100YR-24HR	32.32	27.61	0.0010	0.88	0.88	213

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S78	100YR-24HR	36.81	32.94	0.0009	0.65	0.65	187
EX6S78A	100YR-24HR	39.68	35.76	0.0006	0.42	0.42	113
EX6S79	100YR-24HR	9.49	3.29	0.0003	2.60	2.61	222
EX6S81	100YR-24HR	9.39	2.94	0.0062	1.96	11.53	196
EX6S82	100YR-24HR	8.61	2.93	0.0023	4.50	1.03	258
EX6S83	100YR-24HR	8.61	3.20	0.0004	2.86	2.89	272
EX6S84	100YR-24HR	10.83	2.93	0.0005	0.20	0.05	113
EX6S85	100YR-24HR	9.45	3.19	0.0019	2.97	2.98	194
EX6S86	100YR-24HR	9.00	3.90	0.0009	0.10	0.10	113
EX6S87	100YR-24HR	9.84	3.15	0.0014	4.99	4.11	218
EX6S87A	100YR-24HR	9.65	3.17	0.0012	3.15	3.16	113
EX6S87B	100YR-24HR	8.95	5.64	0.0006	0.20	0.20	113
EXCS6S65A	100YR-24HR	7.45	3.69	0.0011	1.35	2.14	113
EXCS6S65B	100YR-24HR	7.45	3.69	0.0010	2.14	0.99	113
O601	100YR-24HR	3.61	2.45	0.0006	1.05	0.00	0
POND 6E1	100YR-24HR	10.45	3.17	0.0044	4.94	1.44	113
POND 6W1	100YR-24HR	10.45	3.33	0.0002	4.32	4.10	13565
6GW0	100YR-8HR	3.61	2.45	0.0008	10.34	0.02	0
6GW1	100YR-8HR	3.61	2.45	0.0008	12.57	0.17	0
6GW2	100YR-8HR	7.45	2.45	0.0008	8.51	0.00	0
6GW2A	100YR-8HR	7.45	2.45	0.0008	5.88	0.00	0
6GW3	100YR-8HR	3.61	2.45	0.0008	16.31	0.00	0
6GW4	100YR-8HR	3.61	2.45	0.0008	7.91	0.01	0
CH6_1+A	100YR-8HR	12.45	10.81	0.0001	1.95	1.95	1536
CH6_2+A	100YR-8HR	7.55	5.86	0.0003	1.74	1.74	590
CH6_3+A	100YR-8HR	27.26	25.09	0.0021	9.93	2.64	815
CH6_4+A	100YR-8HR	21.22	15.07	0.0006	3.04	3.04	113
CH6_4+B	100YR-8HR	13.78	7.79	0.0000	0.00	0.00	113
CH6_5+A	100YR-8HR	21.62	13.78	0.0000	0.00	0.00	113
CH6_5+B	100YR-8HR	17.05	13.78	0.0005	3.04	0.00	10495
EX6S01	100YR-8HR	14.19	10.12	0.0004	0.93	0.93	113
EX6S03	100YR-8HR	16.39	12.14	0.0009	1.95	1.95	113
EX6S04	100YR-8HR	16.29	9.51	0.0006	1.30	1.30	113
EX6S07	100YR-8HR	24.61	19.01	0.0010	1.95	1.95	113
EX6S08	100YR-8HR	26.77	19.65	0.0252	4.58	28.53	113
EX6S09	100YR-8HR	27.93	24.47	0.0010	3.57	3.57	113
EX6S10	100YR-8HR	29.77	26.20	0.0010	3.43	3.12	113
EX6S11	100YR-8HR	29.78	26.20	0.0010	0.82	1.21	113
EX6S12	100YR-8HR	30.97	26.78	0.0010	0.53	0.53	138
EX6S14	100YR-8HR	31.48	25.02	0.0010	2.07	2.07	113
EX6S15	100YR-8HR	9.00	4.86	0.0042	12.12	12.05	351
EX6S17	100YR-8HR	35.31	30.44	0.0014	2.43	3.17	113
EX6S18	100YR-8HR	35.67	30.83	0.0004	0.97	0.97	113
EX6S19	100YR-8HR	8.00	4.77	0.0008	13.05	13.05	191
EX6S20	100YR-8HR	35.45	31.67	0.0009	1.91	1.91	113
EX6S21	100YR-8HR	10.50	5.05	0.0008	11.22	11.19	380
EX6S22	100YR-8HR	36.50	32.19	0.0003	0.77	0.77	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S23	100YR-8HR	10.09	5.19	0.0008	14.69	14.67	324
EX6S23A	100YR-8HR	14.83	8.55	0.0010	13.66	13.66	271
EX6S23B	100YR-8HR	37.55	33.70	0.0003	0.81	0.81	113
EX6S24	100YR-8HR	36.31	27.85	0.0088	2.64	9.93	113
EX6S25	100YR-8HR	38.60	33.21	0.0010	2.11	2.11	113
EX6S26	100YR-8HR	38.60	34.92	0.0013	2.15	2.92	113
EX6S27	100YR-8HR	18.30	11.44	0.0010	12.62	12.62	374
EX6S28	100YR-8HR	39.30	35.50	0.0008	1.58	1.58	113
EX6S29	100YR-8HR	32.58	29.78	0.0010	2.47	2.47	143
EX6S30	100YR-8HR	41.40	36.86	0.0010	1.91	1.91	113
EX6S31	100YR-8HR	40.51	35.91	0.0012	2.31	2.79	113
EX6S32	100YR-8HR	26.57	21.86	0.0013	3.01	2.95	113
EX6S33	100YR-8HR	10.11	7.92	0.0010	0.93	0.93	113
EX6S34	100YR-8HR	9.70	3.86	0.0008	5.17	5.16	339
EX6S35	100YR-8HR	8.45	3.87	0.0008	11.68	11.69	610
EX6S36	100YR-8HR	10.92	6.52	0.0007	0.89	0.89	113
EX6S37	100YR-8HR	9.54	4.09	0.0008	11.68	11.73	412
EX6S39	100YR-8HR	9.11	4.71	0.0005	0.28	0.28	113
EX6S40	100YR-8HR	9.65	5.05	0.0000	0.00	0.00	113
EX6S41	100YR-8HR	8.50	4.49	0.0004	0.81	0.81	113
EX6S42	100YR-8HR	8.45	3.04	0.0008	1.94	2.16	121
EX6S42A	100YR-8HR	3.45	3.04	0.0008	1.20	0.96	121
EX6S43	100YR-8HR	12.51	8.03	0.0008	1.74	1.74	178
EX6S44	100YR-8HR	11.33	6.60	0.0009	3.81	3.81	250
EX6S45	100YR-8HR	11.01	6.39	0.0010	3.81	3.81	192
EX6S46	100YR-8HR	9.94	4.69	0.0252	28.53	21.41	304
EX6S48	100YR-8HR	8.82	4.66	0.0030	12.02	9.15	371
EX6S50	100YR-8HR	7.87	4.87	0.0010	2.29	1.87	159
EX6S51	100YR-8HR	5.35	4.88	0.0010	3.44	4.45	122
EX6S51A	100YR-8HR	6.00	4.87	0.0009	1.69	1.13	113
EX6S53	100YR-8HR	9.57	6.18	0.0008	1.74	1.74	113
EX6S55	100YR-8HR	22.61	18.55	0.0007	1.42	1.42	113
EX6S56	100YR-8HR	19.68	17.26	0.0023	10.42	10.42	522
EX6S57	100YR-8HR	30.41	25.13	0.0010	5.71	5.70	365
EX6S58	100YR-8HR	34.05	26.36	0.0006	0.41	0.41	113
EX6S59	100YR-8HR	32.05	29.03	0.0010	1.58	1.58	113
EX6S60	100YR-8HR	33.39	29.02	0.0010	4.86	4.86	160
EX6S61	100YR-8HR	33.33	29.12	0.0009	3.28	3.28	157
EX6S62	100YR-8HR	6.95	4.36	0.0010	0.51	0.17	113
EX6S62A	100YR-8HR	6.31	4.36	0.0010	1.55	1.54	113
EX6S63	100YR-8HR	8.34	4.65	0.0010	3.03	3.11	182
EX6S64	100YR-8HR	8.45	4.65	0.0010	12.00	11.08	231
EX6S65C	100YR-8HR	7.45	2.45	0.0033	12.52	12.52	113
EX6S68	100YR-8HR	7.79	5.19	0.0010	0.94	0.11	113
EX6S69	100YR-8HR	14.05	11.63	0.0010	10.10	10.10	283
EX6S70	100YR-8HR	21.22	17.83	0.0010	9.10	9.10	431
EX6S71	100YR-8HR	25.66	20.72	0.0010	7.20	7.20	250

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S72	100YR-8HR	34.10	29.71	0.0003	0.53	0.53	133
EX6S74	100YR-8HR	23.65	22.67	0.0005	1.30	1.30	113
EX6S75	100YR-8HR	22.84	18.64	0.0004	0.61	0.61	113
EX6S75A	100YR-8HR	22.72	18.29	0.0010	1.22	1.22	113
EX6S75B	100YR-8HR	22.83	18.74	0.0007	0.36	0.36	113
EX6S76	100YR-8HR	24.27	20.76	0.0007	4.26	4.26	133
EX6S77	100YR-8HR	27.93	23.95	0.0005	3.41	3.41	223
EX6S77A	100YR-8HR	32.32	28.00	0.0010	2.64	2.64	230
EX6S78	100YR-8HR	36.81	33.26	0.0009	1.95	1.95	212
EX6S78A	100YR-8HR	39.68	36.01	0.0006	1.26	1.26	113
EX6S79	100YR-8HR	9.49	4.66	0.0010	4.79	4.83	222
EX6S81	100YR-8HR	9.39	4.78	0.0062	7.93	11.53	196
EX6S82	100YR-8HR	8.61	4.68	0.0023	5.81	5.81	258
EX6S83	100YR-8HR	8.61	4.66	0.0010	5.27	5.31	272
EX6S84	100YR-8HR	10.83	4.66	0.0007	3.39	4.03	349
EX6S85	100YR-8HR	9.45	4.66	0.0019	5.50	5.57	211
EX6S86	100YR-8HR	9.00	4.66	0.0008	0.45	0.54	113
EX6S87	100YR-8HR	9.84	4.65	0.0014	4.99	4.64	218
EX6S87A	100YR-8HR	9.65	4.66	0.0012	4.52	4.55	113
EX6S87B	100YR-8HR	8.95	5.80	0.0010	0.60	0.60	113
EXCS6S65A	100YR-8HR	7.45	4.35	0.0011	12.53	12.52	113
EXCS6S65B	100YR-8HR	7.45	4.30	0.0010	12.52	12.52	113
O601	100YR-8HR	3.61	2.45	0.0007	12.52	0.00	0
POND 6E1	100YR-8HR	10.45	4.68	0.0044	6.21	5.98	5679
POND 6W1	100YR-8HR	10.45	4.66	0.0003	15.17	12.55	16284
6GW0	10YR-1HR	3.61	1.45	0.0000	4.02	0.00	0
6GW1	10YR-1HR	3.61	1.45	0.0000	5.74	0.00	0
6GW2	10YR-1HR	7.45	1.45	0.0000	8.83	0.00	0
6GW2A	10YR-1HR	7.45	1.45	0.0000	6.24	0.00	0
6GW3	10YR-1HR	3.61	1.45	0.0000	19.76	0.00	0
6GW4	10YR-1HR	3.61	1.45	0.0000	9.58	0.00	0
CH6_1+A	10YR-1HR	12.45	10.84	0.0001	2.59	2.58	1537
CH6_2+A	10YR-1HR	7.55	5.93	0.0003	2.32	2.31	620
CH6_3+A	10YR-1HR	27.26	25.12	0.0021	9.93	3.50	851
CH6_4+A	10YR-1HR	21.22	15.06	0.0006	2.71	2.71	113
CH6_4+B	10YR-1HR	13.78	7.79	0.0000	0.00	0.00	113
CH6_5+A	10YR-1HR	21.62	13.78	0.0000	0.00	0.00	113
CH6_5+B	10YR-1HR	17.05	11.44	0.0009	2.71	0.00	4254
EX6S01	10YR-1HR	14.19	10.20	0.0006	1.24	1.24	113
EX6S03	10YR-1HR	16.39	12.26	0.0009	2.59	2.59	113
EX6S04	10YR-1HR	16.29	9.60	0.0007	1.73	1.72	113
EX6S07	10YR-1HR	24.61	19.14	0.0009	2.59	2.59	113
EX6S08	10YR-1HR	26.77	19.65	0.0252	5.73	28.53	113
EX6S09	10YR-1HR	27.93	24.62	0.0011	4.40	4.39	113
EX6S10	10YR-1HR	29.77	26.32	0.0010	4.00	3.81	113
EX6S11	10YR-1HR	29.78	26.33	0.0009	0.80	1.18	113
EX6S12	10YR-1HR	30.97	26.84	0.0010	0.70	0.70	145

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S14	10YR-1HR	31.48	25.16	0.0010	2.75	2.75	113
EX6S15	10YR-1HR	9.00	4.38	0.0042	11.47	11.12	353
EX6S17	10YR-1HR	35.31	30.45	0.0014	3.23	3.23	113
EX6S18	10YR-1HR	35.67	30.89	0.0004	1.29	1.29	113
EX6S19	10YR-1HR	8.00	4.73	0.0016	14.58	14.58	192
EX6S20	10YR-1HR	35.45	31.80	0.0009	2.53	2.53	113
EX6S21	10YR-1HR	10.50	4.56	0.0007	12.17	12.06	397
EX6S22	10YR-1HR	36.50	32.24	0.0003	1.02	1.02	113
EX6S23	10YR-1HR	10.09	5.31	0.0018	17.17	17.15	330
EX6S23A	10YR-1HR	14.83	8.83	0.0012	16.09	16.09	272
EX6S23B	10YR-1HR	37.55	33.75	0.0003	1.08	1.08	113
EX6S24	10YR-1HR	36.31	27.85	0.0088	3.50	9.93	113
EX6S25	10YR-1HR	38.60	33.34	0.0015	2.80	2.80	113
EX6S26	10YR-1HR	38.60	34.92	0.0012	2.86	2.92	113
EX6S27	10YR-1HR	18.30	11.70	0.0010	14.91	14.91	375
EX6S28	10YR-1HR	39.30	35.61	0.0008	2.10	2.10	113
EX6S29	10YR-1HR	32.58	29.83	0.0015	2.69	2.69	143
EX6S30	10YR-1HR	41.40	37.00	0.0010	2.53	2.53	113
EX6S31	10YR-1HR	40.51	35.97	0.0012	3.07	3.07	113
EX6S32	10YR-1HR	26.57	21.93	0.0013	3.34	3.34	113
EX6S33	10YR-1HR	10.11	8.00	0.0010	1.24	1.24	113
EX6S34	10YR-1HR	9.70	2.13	0.0003	2.59	2.54	325
EX6S35	10YR-1HR	8.45	2.12	0.0003	4.04	4.00	581
EX6S36	10YR-1HR	10.92	6.60	0.0006	1.19	1.18	113
EX6S37	10YR-1HR	9.54	2.26	0.0005	3.93	3.95	349
EX6S39	10YR-1HR	9.11	4.75	0.0006	0.38	0.38	113
EX6S40	10YR-1HR	9.65	5.05	0.0000	0.00	0.00	113
EX6S41	10YR-1HR	8.50	4.56	0.0005	1.08	1.08	113
EX6S42	10YR-1HR	8.45	2.20	0.0003	1.59	1.58	118
EX6S42A	10YR-1HR	3.45	2.18	0.0002	0.79	0.78	117
EX6S43	10YR-1HR	12.51	8.15	0.0011	2.32	2.31	180
EX6S44	10YR-1HR	11.33	6.76	0.0009	5.06	5.06	257
EX6S45	10YR-1HR	11.01	6.56	0.0010	5.06	5.05	193
EX6S46	10YR-1HR	9.94	3.81	0.0252	28.53	21.41	311
EX6S48	10YR-1HR	8.82	3.72	0.0030	12.02	10.68	370
EX6S50	10YR-1HR	7.87	4.39	0.0010	1.95	1.58	159
EX6S51	10YR-1HR	5.35	4.39	0.0010	3.28	4.48	122
EX6S51A	10YR-1HR	6.00	4.38	0.0009	1.78	1.22	113
EX6S53	10YR-1HR	9.57	6.33	0.0009	2.32	2.32	113
EX6S55	10YR-1HR	22.61	18.65	0.0007	1.89	1.89	113
EX6S56	10YR-1HR	19.68	17.43	0.0023	11.91	11.89	522
EX6S57	10YR-1HR	30.41	25.20	0.0028	6.32	6.31	368
EX6S58	10YR-1HR	34.05	26.41	0.0005	0.54	0.54	113
EX6S59	10YR-1HR	32.05	29.11	0.0012	2.10	2.09	113
EX6S60	10YR-1HR	33.39	29.09	0.0024	5.38	5.38	160
EX6S61	10YR-1HR	33.33	29.12	0.0012	3.31	3.31	157
EX6S62	10YR-1HR	6.95	4.21	0.0010	1.13	0.12	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S62A	10YR-1HR	6.31	4.21	0.0008	1.91	1.88	113
EX6S63	10YR-1HR	8.34	4.33	0.0010	2.62	2.49	196
EX6S64	10YR-1HR	8.45	4.39	0.0010	9.89	9.86	243
EX6S65C	10YR-1HR	7.45	2.04	0.0012	9.34	9.34	113
EX6S68	10YR-1HR	7.79	5.31	0.0022	2.52	0.18	113
EX6S69	10YR-1HR	14.05	11.98	0.0018	11.88	11.88	283
EX6S70	10YR-1HR	21.22	18.06	0.0018	11.21	11.20	431
EX6S71	10YR-1HR	25.66	20.92	0.0017	8.97	8.96	250
EX6S72	10YR-1HR	34.10	29.76	0.0004	0.70	0.70	139
EX6S74	10YR-1HR	23.65	22.76	0.0005	1.73	1.72	113
EX6S75	10YR-1HR	22.84	18.70	0.0005	0.81	0.81	113
EX6S75A	10YR-1HR	22.72	18.39	0.0010	1.62	1.61	113
EX6S75B	10YR-1HR	22.83	18.79	0.0004	0.49	0.48	113
EX6S76	10YR-1HR	24.27	20.97	0.0010	5.64	5.63	134
EX6S77	10YR-1HR	27.93	24.15	0.0009	4.51	4.51	223
EX6S77A	10YR-1HR	32.32	28.16	0.0011	3.50	3.49	230
EX6S78	10YR-1HR	36.81	33.39	0.0011	2.59	2.58	212
EX6S78A	10YR-1HR	39.68	36.11	0.0006	1.67	1.67	113
EX6S79	10YR-1HR	9.49	3.62	0.0008	4.54	4.54	242
EX6S81	10YR-1HR	9.39	4.33	0.0062	5.90	11.53	196
EX6S82	10YR-1HR	8.61	4.31	0.0023	4.50	3.40	258
EX6S83	10YR-1HR	8.61	3.65	0.0009	4.88	5.04	317
EX6S84	10YR-1HR	10.83	4.30	0.0007	2.70	2.66	380
EX6S85	10YR-1HR	9.45	3.69	0.0019	5.04	5.11	194
EX6S86	10YR-1HR	9.00	2.85	0.0006	0.09	0.00	113
EX6S87	10YR-1HR	9.84	3.69	0.0014	5.37	5.48	218
EX6S87A	10YR-1HR	9.65	3.69	0.0012	5.30	5.37	113
EX6S87B	10YR-1HR	8.95	5.78	0.0007	0.54	0.54	113
EXCS6S65A	10YR-1HR	7.45	4.19	0.0010	9.34	9.34	134
EXCS6S65B	10YR-1HR	7.45	4.17	0.0010	9.34	9.34	113
O601	10YR-1HR	3.61	1.45	0.0000	9.34	0.00	0
POND 6E1	10YR-1HR	10.45	3.79	0.0044	4.94	4.73	113
POND 6W1	10YR-1HR	10.45	3.65	0.0010	16.16	7.25	15037
6GW0	10YR-24HR	3.61	2.45	0.0009	1.42	0.02	0
6GW1	10YR-24HR	3.61	2.45	0.0009	1.82	0.13	0
6GW2	10YR-24HR	7.45	2.45	0.0009	6.17	0.00	0
6GW2A	10YR-24HR	7.45	2.45	0.0009	2.80	0.00	0
6GW3	10YR-24HR	3.61	2.45	0.0009	4.16	0.00	0
6GW4	10YR-24HR	3.61	2.45	0.0009	4.05	0.01	0
CH6_1+A	10YR-24HR	12.45	10.71	0.0001	0.43	0.43	1535
CH6_2+A	10YR-24HR	7.55	5.61	0.0001	0.38	0.38	483
CH6_3+A	10YR-24HR	27.26	25.08	0.0021	9.93	2.59	812
CH6_4+A	10YR-24HR	21.22	14.99	0.0006	0.64	0.64	113
CH6_4+B	10YR-24HR	13.78	7.79	0.0000	0.00	0.00	113
CH6_5+A	10YR-24HR	21.62	13.78	0.0000	0.00	0.00	113
CH6_5+B	10YR-24HR	17.05	13.57	0.0005	0.64	0.00	9826
EX6S01	10YR-24HR	14.19	9.85	0.0004	0.21	0.21	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S03	10YR-24HR	16.39	11.73	0.0009	0.43	0.43	113
EX6S04	10YR-24HR	16.29	9.19	0.0006	0.29	0.29	113
EX6S07	10YR-24HR	24.61	18.64	0.0010	0.43	0.51	113
EX6S08	10YR-24HR	26.77	19.65	0.0252	1.00	28.53	113
EX6S09	10YR-24HR	27.93	23.87	0.0010	0.78	0.78	113
EX6S10	10YR-24HR	29.77	25.65	0.0010	0.68	0.68	113
EX6S11	10YR-24HR	29.78	25.66	0.0010	0.17	0.17	113
EX6S12	10YR-24HR	30.97	26.58	0.0007	0.12	0.12	113
EX6S14	10YR-24HR	31.48	24.65	0.0010	0.45	0.59	113
EX6S15	10YR-24HR	9.00	2.60	0.0042	5.73	2.39	350
EX6S17	10YR-24HR	35.31	30.23	0.0003	0.54	0.54	113
EX6S18	10YR-24HR	35.67	30.63	0.0003	0.21	0.21	113
EX6S19	10YR-24HR	8.00	3.21	0.0009	2.03	2.02	191
EX6S20	10YR-24HR	35.45	31.27	0.0009	0.42	0.42	113
EX6S21	10YR-24HR	10.50	2.61	0.0009	2.40	2.39	369
EX6S22	10YR-24HR	36.50	32.01	0.0002	0.17	0.17	113
EX6S23	10YR-24HR	10.09	3.21	0.0009	3.18	3.18	316
EX6S23A	10YR-24HR	14.83	7.27	0.0010	2.96	2.96	161
EX6S23B	10YR-24HR	37.55	33.51	0.0002	0.18	0.18	113
EX6S24	10YR-24HR	36.31	27.85	0.0088	0.58	9.93	113
EX6S25	10YR-24HR	38.60	32.78	0.0010	0.46	0.46	113
EX6S26	10YR-24HR	38.60	34.71	0.0006	0.47	0.47	113
EX6S27	10YR-24HR	18.30	10.24	0.0010	2.74	2.74	358
EX6S28	10YR-24HR	39.30	35.14	0.0008	0.35	0.35	113
EX6S29	10YR-24HR	32.58	29.31	0.0009	0.53	0.53	142
EX6S30	10YR-24HR	41.40	36.70	0.0006	0.42	0.42	113
EX6S31	10YR-24HR	40.51	35.72	0.0006	0.51	0.51	113
EX6S32	10YR-24HR	26.57	21.33	0.0010	0.63	0.63	113
EX6S33	10YR-24HR	10.11	7.65	0.0010	0.21	0.21	113
EX6S34	10YR-24HR	9.70	2.50	0.0009	0.79	0.78	327
EX6S35	10YR-24HR	8.45	2.50	0.0010	1.42	1.41	607
EX6S36	10YR-24HR	10.92	6.27	0.0010	0.20	0.22	113
EX6S37	10YR-24HR	9.54	2.50	0.0010	0.98	0.98	308
EX6S39	10YR-24HR	9.11	4.55	0.0004	0.06	0.06	113
EX6S40	10YR-24HR	9.65	5.05	0.0000	0.00	0.00	113
EX6S41	10YR-24HR	8.50	4.26	0.0004	0.18	0.18	113
EX6S42	10YR-24HR	8.45	2.48	0.0009	0.40	0.41	121
EX6S42A	10YR-24HR	3.45	2.47	0.0009	0.22	0.20	121
EX6S43	10YR-24HR	12.51	7.66	0.0008	0.38	0.38	144
EX6S44	10YR-24HR	11.33	6.07	0.0009	0.84	0.84	200
EX6S45	10YR-24HR	11.01	5.87	0.0010	0.84	0.84	157
EX6S46	10YR-24HR	9.94	3.79	0.0252	28.53	21.41	297
EX6S48	10YR-24HR	8.82	2.76	0.0030	12.02	9.15	371
EX6S50	10YR-24HR	7.87	2.61	0.0010	0.66	0.67	159
EX6S51	10YR-24HR	5.35	2.61	0.0010	0.73	1.23	122
EX6S51A	10YR-24HR	6.00	2.60	0.0009	0.50	0.25	113
EX6S53	10YR-24HR	9.57	5.75	0.0008	0.38	0.38	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S55	10YR-24HR	22.61	18.21	0.0007	0.31	0.31	113
EX6S56	10YR-24HR	19.68	16.23	0.0023	2.59	2.25	489
EX6S57	10YR-24HR	30.41	24.45	0.0010	1.23	1.23	319
EX6S58	10YR-24HR	34.05	26.19	0.0004	0.09	0.09	113
EX6S59	10YR-24HR	32.05	28.41	0.0010	0.35	0.61	113
EX6S60	10YR-24HR	33.39	28.41	0.0010	1.26	1.04	149
EX6S61	10YR-24HR	33.33	28.63	0.0009	0.70	0.70	136
EX6S62	10YR-24HR	6.95	3.61	0.0003	0.03	0.03	113
EX6S62A	10YR-24HR	6.31	3.36	0.0010	0.43	0.71	113
EX6S63	10YR-24HR	8.34	2.75	0.0000	0.00	0.00	113
EX6S64	10YR-24HR	8.45	3.33	0.0010	0.35	0.34	130
EX6S65C	10YR-24HR	7.45	2.45	0.0009	0.00	0.01	113
EX6S68	10YR-24HR	7.79	1.75	0.0000	0.00	0.00	113
EX6S69	10YR-24HR	14.05	10.32	0.0010	2.19	2.19	234
EX6S70	10YR-24HR	21.22	16.90	0.0010	1.98	1.98	395
EX6S71	10YR-24HR	25.66	19.93	0.0010	1.57	1.57	232
EX6S72	10YR-24HR	34.10	29.51	0.0005	0.12	0.12	113
EX6S74	10YR-24HR	23.65	22.38	0.0005	0.29	0.29	113
EX6S75	10YR-24HR	22.84	18.42	0.0003	0.13	0.13	113
EX6S75A	10YR-24HR	22.72	17.99	0.0009	0.27	0.27	113
EX6S75B	10YR-24HR	22.83	18.58	0.0004	0.08	0.08	113
EX6S76	10YR-24HR	24.27	19.95	0.0005	0.94	0.94	113
EX6S77	10YR-24HR	27.93	23.38	0.0008	0.75	0.75	199
EX6S77A	10YR-24HR	32.32	27.52	0.0010	0.58	0.58	200
EX6S78	10YR-24HR	36.81	32.86	0.0009	0.43	0.43	174
EX6S78A	10YR-24HR	39.68	35.70	0.0006	0.28	0.28	113
EX6S79	10YR-24HR	9.49	3.01	0.0003	1.78	1.78	210
EX6S81	10YR-24HR	9.39	2.65	0.0062	1.28	11.53	187
EX6S82	10YR-24HR	8.61	2.60	0.0023	4.50	0.63	258
EX6S83	10YR-24HR	8.61	2.82	0.0004	1.97	1.98	264
EX6S84	10YR-24HR	10.83	2.60	0.0007	0.20	0.04	121
EX6S85	10YR-24HR	9.45	2.79	0.0019	2.43	2.04	194
EX6S86	10YR-24HR	9.00	3.84	0.0004	0.05	0.05	113
EX6S87	10YR-24HR	9.84	2.77	0.0014	4.99	4.11	218
EX6S87A	10YR-24HR	9.65	2.78	0.0012	2.97	2.43	113
EX6S87B	10YR-24HR	8.95	5.59	0.0007	0.13	0.13	113
EXCS6S65A	10YR-24HR	7.45	3.35	0.0010	0.71	0.68	113
EXCS6S65B	10YR-24HR	7.45	3.35	0.0010	0.33	0.26	113
O601	10YR-24HR	3.61	2.45	0.0006	0.01	0.00	0
POND 6E1	10YR-24HR	10.45	3.16	0.0044	4.94	1.19	113
POND 6W1	10YR-24HR	10.45	3.08	0.0003	2.65	2.48	12446
6GW0	10YR-8HR	3.61	2.45	0.0007	5.30	0.03	0
6GW1	10YR-8HR	3.61	2.45	0.0007	6.64	0.21	0
6GW2	10YR-8HR	7.45	2.45	0.0007	6.77	0.00	0
6GW2A	10YR-8HR	7.45	2.45	0.0007	4.48	0.00	0
6GW3	10YR-8HR	3.61	2.45	0.0007	12.74	0.01	0
6GW4	10YR-8HR	3.61	2.45	0.0007	6.47	0.02	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
CH6_1+A	10YR-8HR	12.45	10.78	0.0001	1.38	1.38	1536
CH6_2+A	10YR-8HR	7.55	5.79	0.0003	1.23	1.23	558
CH6_3+A	10YR-8HR	27.26	25.08	0.0021	9.93	2.59	812
CH6_4+A	10YR-8HR	21.22	15.04	0.0006	1.97	1.97	113
CH6_4+B	10YR-8HR	13.78	7.79	0.0000	0.00	0.00	113
CH6_5+A	10YR-8HR	21.62	13.78	0.0000	0.00	0.00	113
CH6_5+B	10YR-8HR	17.05	12.89	0.0005	1.97	0.00	7797
EX6S01	10YR-8HR	14.19	10.04	0.0004	0.66	0.66	113
EX6S03	10YR-8HR	16.39	12.01	0.0009	1.38	1.38	113
EX6S04	10YR-8HR	16.29	9.41	0.0006	0.92	0.92	113
EX6S07	10YR-8HR	24.61	18.88	0.0010	1.38	1.38	113
EX6S08	10YR-8HR	26.77	19.65	0.0252	3.19	28.53	113
EX6S09	10YR-8HR	27.93	24.27	0.0010	2.47	2.47	113
EX6S10	10YR-8HR	29.77	26.01	0.0010	2.57	2.15	113
EX6S11	10YR-8HR	29.78	26.01	0.0010	0.52	0.95	113
EX6S12	10YR-8HR	30.97	26.72	0.0010	0.37	0.37	129
EX6S14	10YR-8HR	31.48	24.89	0.0010	1.46	1.46	113
EX6S15	10YR-8HR	9.00	4.14	0.0042	7.77	7.32	351
EX6S17	10YR-8HR	35.31	30.44	0.0014	1.72	3.17	113
EX6S18	10YR-8HR	35.67	30.77	0.0003	0.69	0.69	113
EX6S19	10YR-8HR	8.00	4.22	0.0010	8.46	8.46	191
EX6S20	10YR-8HR	35.45	31.54	0.0009	1.35	1.35	113
EX6S21	10YR-8HR	10.50	4.20	0.0008	7.52	7.52	383
EX6S22	10YR-8HR	36.50	32.13	0.0003	0.55	0.55	113
EX6S23	10YR-8HR	10.09	4.40	0.0010	10.08	10.08	323
EX6S23A	10YR-8HR	14.83	8.07	0.0010	9.40	9.40	271
EX6S23B	10YR-8HR	37.55	33.64	0.0003	0.57	0.57	113
EX6S24	10YR-8HR	36.31	27.85	0.0088	1.86	9.93	113
EX6S25	10YR-8HR	38.60	33.07	0.0010	1.49	1.49	113
EX6S26	10YR-8HR	38.60	34.92	0.0013	1.52	2.92	113
EX6S27	10YR-8HR	18.30	11.00	0.0010	9.51	8.69	374
EX6S28	10YR-8HR	39.30	35.39	0.0007	1.12	1.12	113
EX6S29	10YR-8HR	32.58	29.61	0.0010	1.72	1.65	142
EX6S30	10YR-8HR	41.40	36.80	0.0010	1.35	1.67	113
EX6S31	10YR-8HR	40.51	35.91	0.0012	1.64	2.79	113
EX6S32	10YR-8HR	26.57	21.70	0.0012	2.98	2.11	113
EX6S33	10YR-8HR	10.11	7.84	0.0010	0.66	0.66	113
EX6S34	10YR-8HR	9.70	3.04	0.0007	2.68	2.65	338
EX6S35	10YR-8HR	8.45	3.04	0.0009	5.72	5.74	610
EX6S36	10YR-8HR	10.92	6.44	0.0008	0.63	0.63	113
EX6S37	10YR-8HR	9.54	3.09	0.0009	5.56	5.61	409
EX6S39	10YR-8HR	9.11	4.67	0.0005	0.20	0.20	113
EX6S40	10YR-8HR	9.65	5.05	0.0000	0.00	0.00	113
EX6S41	10YR-8HR	8.50	4.42	0.0004	0.57	0.57	113
EX6S42	10YR-8HR	8.45	2.72	0.0007	1.22	1.23	121
EX6S42A	10YR-8HR	3.45	2.71	0.0007	0.62	0.60	121
EX6S43	10YR-8HR	12.51	7.92	0.0008	1.23	1.23	172

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S44	10YR-8HR	11.33	6.43	0.0009	2.70	2.70	241
EX6S45	10YR-8HR	11.01	6.23	0.0010	2.70	2.70	187
EX6S46	10YR-8HR	9.94	3.92	0.0252	28.53	21.41	304
EX6S48	10YR-8HR	8.82	3.91	0.0030	12.02	9.15	371
EX6S50	10YR-8HR	7.87	4.14	0.0010	1.59	1.49	159
EX6S51	10YR-8HR	5.35	4.14	0.0010	2.26	3.46	122
EX6S51A	10YR-8HR	6.00	4.14	0.0010	1.56	0.84	113
EX6S53	10YR-8HR	9.57	6.03	0.0008	1.23	1.23	113
EX6S55	10YR-8HR	22.61	18.45	0.0007	1.00	1.00	113
EX6S56	10YR-8HR	19.68	16.88	0.0023	7.10	7.09	522
EX6S57	10YR-8HR	30.41	24.89	0.0010	3.87	3.86	365
EX6S58	10YR-8HR	34.05	26.31	0.0006	0.29	0.29	113
EX6S59	10YR-8HR	32.05	28.81	0.0010	1.12	1.12	113
EX6S60	10YR-8HR	33.39	28.80	0.0010	3.28	3.28	159
EX6S61	10YR-8HR	33.33	28.94	0.0009	2.17	2.17	156
EX6S62	10YR-8HR	6.95	4.01	0.0010	0.39	0.11	113
EX6S62A	10YR-8HR	6.31	4.01	0.0010	1.09	1.16	113
EX6S63	10YR-8HR	8.34	4.11	0.0008	1.00	0.99	177
EX6S64	10YR-8HR	8.45	4.13	0.0010	5.40	5.40	227
EX6S65C	10YR-8HR	7.45	2.45	0.0010	5.67	5.67	113
EX6S68	10YR-8HR	7.79	4.40	0.0010	0.50	0.11	113
EX6S69	10YR-8HR	14.05	11.11	0.0010	6.95	6.95	283
EX6S70	10YR-8HR	21.22	17.50	0.0010	6.33	6.32	431
EX6S71	10YR-8HR	25.66	20.45	0.0010	5.01	5.01	250
EX6S72	10YR-8HR	34.10	29.65	0.0003	0.37	0.37	125
EX6S74	10YR-8HR	23.65	22.59	0.0005	0.92	0.92	113
EX6S75	10YR-8HR	22.84	18.57	0.0004	0.43	0.43	113
EX6S75A	10YR-8HR	22.72	18.20	0.0010	0.86	0.86	113
EX6S75B	10YR-8HR	22.83	18.69	0.0007	0.26	0.26	113
EX6S76	10YR-8HR	24.27	20.48	0.0006	3.01	3.01	131
EX6S77	10YR-8HR	27.93	23.76	0.0006	2.41	2.41	223
EX6S77A	10YR-8HR	32.32	27.85	0.0010	1.86	1.86	230
EX6S78	10YR-8HR	36.81	33.14	0.0009	1.38	1.38	207
EX6S78A	10YR-8HR	39.68	35.92	0.0006	0.89	0.89	113
EX6S79	10YR-8HR	9.49	3.94	0.0009	3.43	3.47	222
EX6S81	10YR-8HR	9.39	4.11	0.0062	4.02	11.53	196
EX6S82	10YR-8HR	8.61	4.10	0.0023	4.50	2.33	258
EX6S83	10YR-8HR	8.61	3.94	0.0010	3.80	3.84	272
EX6S84	10YR-8HR	10.83	4.10	0.0006	1.17	1.13	312
EX6S85	10YR-8HR	9.45	3.93	0.0019	3.93	3.95	194
EX6S86	10YR-8HR	9.00	3.94	0.0010	0.21	0.13	113
EX6S87	10YR-8HR	9.84	3.91	0.0014	4.99	4.22	218
EX6S87A	10YR-8HR	9.65	3.92	0.0012	4.16	4.19	113
EX6S87B	10YR-8HR	8.95	5.73	0.0009	0.40	0.40	113
EXCS6S65A	10YR-8HR	7.45	4.00	0.0012	5.68	5.68	113
EXCS6S65B	10YR-8HR	7.45	3.99	0.0010	5.68	5.67	113
O601	10YR-8HR	3.61	2.45	0.0007	5.67	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND 6E1	10YR-8HR	10.45	3.91	0.0044	4.94	8.66	113
POND 6W1	10YR-8HR	10.45	3.95	0.0003	8.75	7.79	16238
6GW0	25YR-72HR	3.61	2.45	0.0002	12.68	0.01	0
6GW1	25YR-72HR	3.61	2.45	0.0002	15.90	0.08	0
6GW2	25YR-72HR	7.45	2.45	0.0002	10.26	0.00	0
6GW2A	25YR-72HR	7.45	2.45	0.0002	7.22	0.00	0
6GW3	25YR-72HR	3.61	2.45	0.0002	20.86	0.00	0
6GW4	25YR-72HR	3.61	2.45	0.0002	9.81	0.01	0
CH6_1+A	25YR-72HR	12.45	10.86	0.0001	2.97	2.96	1534
CH6_2+A	25YR-72HR	7.55	6.28	0.0006	3.01	2.56	615
CH6_3+A	25YR-72HR	27.26	25.14	0.0021	9.93	4.01	872
CH6_4+A	25YR-72HR	21.22	15.12	0.0006	5.02	5.02	113
CH6_4+B	25YR-72HR	13.78	7.79	0.0000	0.00	0.00	113
CH6_5+A	25YR-72HR	21.62	14.83	0.0002	1.44	0.00	5039
CH6_5+B	25YR-72HR	17.05	14.83	0.0005	5.02	1.44	10950
EX6S01	25YR-72HR	14.19	10.24	0.0004	1.42	1.42	113
EX6S03	25YR-72HR	16.39	12.34	0.0008	2.97	2.97	113
EX6S04	25YR-72HR	16.29	9.66	0.0006	1.98	1.98	113
EX6S07	25YR-72HR	24.61	19.21	0.0010	2.97	2.97	113
EX6S08	25YR-72HR	26.77	19.65	0.0252	7.12	28.53	113
EX6S09	25YR-72HR	27.93	24.82	0.0010	5.58	5.58	113
EX6S10	25YR-72HR	29.77	26.51	0.0010	4.90	4.90	113
EX6S11	25YR-72HR	29.78	26.52	0.0005	1.38	1.39	113
EX6S12	25YR-72HR	30.97	26.87	0.0005	0.80	0.80	148
EX6S14	25YR-72HR	31.48	25.23	0.0010	3.16	3.15	113
EX6S15	25YR-72HR	9.00	6.24	0.0042	21.52	19.43	4137
EX6S17	25YR-72HR	35.31	30.55	0.0013	3.71	3.71	113
EX6S18	25YR-72HR	35.67	30.92	0.0003	1.49	1.48	113
EX6S19	25YR-72HR	8.00	5.73	0.0008	21.89	21.83	191
EX6S20	25YR-72HR	35.45	31.87	0.0008	2.91	2.91	113
EX6S21	25YR-72HR	10.50	6.81	0.0010	18.06	17.99	371
EX6S22	25YR-72HR	36.50	32.27	0.0002	1.18	1.17	113
EX6S23	25YR-72HR	10.09	6.92	0.0010	22.98	22.89	314
EX6S23A	25YR-72HR	14.83	9.61	0.0010	21.31	21.30	272
EX6S23B	25YR-72HR	37.55	33.78	0.0002	1.24	1.24	113
EX6S24	25YR-72HR	36.31	27.85	0.0088	4.02	9.93	113
EX6S25	25YR-72HR	38.60	33.42	0.0010	3.22	3.21	113
EX6S26	25YR-72HR	38.60	34.99	0.0012	3.28	3.28	113
EX6S27	25YR-72HR	18.30	12.35	0.0009	19.67	19.66	374
EX6S28	25YR-72HR	39.30	35.67	0.0007	2.41	2.41	113
EX6S29	25YR-72HR	32.58	30.07	0.0010	4.02	4.02	124
EX6S30	25YR-72HR	41.40	37.08	0.0010	2.91	2.91	113
EX6S31	25YR-72HR	40.51	36.06	0.0012	3.53	3.52	113
EX6S32	25YR-72HR	26.57	22.17	0.0013	4.70	4.69	113
EX6S33	25YR-72HR	10.11	8.04	0.0006	1.42	1.42	113
EX6S34	25YR-72HR	9.70	4.95	0.0009	6.93	6.80	336
EX6S35	25YR-72HR	8.45	4.95	0.0010	13.57	13.66	609

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S36	25YR-72HR	10.92	6.64	0.0010	1.36	1.36	113
EX6S37	25YR-72HR	9.54	5.02	0.0010	14.06	14.13	401
EX6S39	25YR-72HR	9.11	5.02	0.0005	0.43	0.43	113
EX6S40	25YR-72HR	9.65	5.05	0.0000	0.00	0.00	113
EX6S41	25YR-72HR	8.50	4.60	0.0004	1.24	1.24	113
EX6S42	25YR-72HR	8.45	3.71	0.0005	3.29	3.27	121
EX6S42A	25YR-72HR	3.45	3.70	0.0005	1.64	1.62	121
EX6S43	25YR-72HR	12.51	8.22	0.0008	2.66	2.66	180
EX6S44	25YR-72HR	11.33	6.86	0.0009	5.81	5.80	257
EX6S45	25YR-72HR	11.01	6.65	0.0009	5.80	5.80	194
EX6S46	25YR-72HR	9.94	5.56	0.0252	28.53	21.41	296
EX6S48	25YR-72HR	8.82	5.49	0.0030	12.87	12.88	371
EX6S50	25YR-72HR	7.87	6.26	0.0010	4.38	4.77	159
EX6S51	25YR-72HR	5.35	6.26	0.0010	5.43	6.02	657
EX6S51A	25YR-72HR	6.00	6.26	0.0010	1.53	1.42	113
EX6S53	25YR-72HR	9.57	6.39	0.0009	2.66	3.01	113
EX6S55	25YR-72HR	22.61	18.71	0.0006	2.17	2.16	113
EX6S56	25YR-72HR	19.68	17.95	0.0023	16.51	16.50	522
EX6S57	25YR-72HR	30.41	25.52	0.0010	9.08	9.07	367
EX6S58	25YR-72HR	34.05	26.44	0.0003	0.62	0.62	113
EX6S59	25YR-72HR	32.05	29.40	0.0010	2.41	2.40	113
EX6S60	25YR-72HR	33.39	29.37	0.0010	7.75	7.75	160
EX6S61	25YR-72HR	33.33	29.43	0.0009	5.35	5.35	157
EX6S62	25YR-72HR	6.95	4.88	0.0004	0.26	0.27	113
EX6S62A	25YR-72HR	6.31	4.88	0.0010	2.37	2.31	113
EX6S63	25YR-72HR	8.34	5.41	0.0010	10.11	10.16	163
EX6S64	25YR-72HR	8.45	5.39	0.0009	21.51	21.49	240
EX6S65C	25YR-72HR	7.45	3.22	0.0004	23.59	23.59	113
EX6S68	25YR-72HR	7.79	6.92	0.0019	2.16	0.29	113
EX6S69	25YR-72HR	14.05	12.83	0.0010	15.76	15.75	283
EX6S70	25YR-72HR	21.22	18.39	0.0010	14.08	14.08	431
EX6S71	25YR-72HR	25.66	21.16	0.0010	11.16	11.16	250
EX6S72	25YR-72HR	34.10	29.79	0.0004	0.80	0.80	142
EX6S74	25YR-72HR	23.65	22.80	0.0005	1.98	1.98	113
EX6S75	25YR-72HR	22.84	18.73	0.0003	0.93	0.93	113
EX6S75A	25YR-72HR	22.72	18.44	0.0006	1.85	1.85	113
EX6S75B	25YR-72HR	22.83	18.81	0.0003	0.56	0.56	113
EX6S76	25YR-72HR	24.27	21.22	0.0009	6.47	6.47	133
EX6S77	25YR-72HR	27.93	24.26	0.0010	5.18	5.18	223
EX6S77A	25YR-72HR	32.32	28.26	0.0010	4.01	4.01	230
EX6S78	25YR-72HR	36.81	33.46	0.0009	2.97	2.96	212
EX6S78A	25YR-72HR	39.68	36.16	0.0005	1.92	1.92	113
EX6S79	25YR-72HR	9.49	5.41	0.0007	8.41	8.27	223
EX6S81	25YR-72HR	9.39	5.96	0.0062	14.26	14.13	196
EX6S82	25YR-72HR	8.61	5.59	0.0023	11.63	11.52	258
EX6S83	25YR-72HR	8.61	5.41	0.0010	8.10	7.95	272
EX6S84	25YR-72HR	10.83	5.43	0.0009	10.47	10.11	352

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S85	25YR-72HR	9.45	5.43	0.0019	8.69	8.44	257
EX6S86	25YR-72HR	9.00	5.43	0.0008	0.54	0.89	113
EX6S87	25YR-72HR	9.84	5.43	0.0014	5.92	5.99	218
EX6S87A	25YR-72HR	9.65	5.43	0.0012	5.87	5.92	113
EX6S87B	25YR-72HR	8.95	5.91	0.0003	0.95	0.95	113
EXCS6S65A	25YR-72HR	7.45	4.86	0.0012	23.60	23.60	113
EXCS6S65B	25YR-72HR	7.45	4.70	0.0010	23.60	23.59	113
O601	25YR-72HR	3.61	2.45	0.0002	23.59	0.00	0
POND 6E1	25YR-72HR	10.45	5.55	0.0044	11.85	8.41	5679
POND 6W1	25YR-72HR	10.45	5.42	0.0007	28.03	18.78	16324

Link Min/Max Conditions [Icpr3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CH6_1+B_S79	100YR-1HR	7.45	-10.98	0.10	-3.62	-5.51	-4.52
CH6_1+SEC1	100YR-1HR	3.76	0.00	0.00	2.59	3.59	3.09
CH6_2+B_S50	100YR-1HR	2.86	-0.32	-0.69	0.91	-1.88	-1.17
CH6_2+SEC1	100YR-1HR	3.36	0.00	0.01	0.77	2.46	1.61
CH6_3+SEC1	100YR-1HR	5.09	0.00	-0.04	2.00	2.69	2.34
CH6_4+A_WEIR	100YR-1HR	0.00	-4.54	-0.01	0.00	0.00	0.00
CH6_4+SEC1	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
CH6_5+SEC1	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
CS6S65_WEIR2	100YR-1HR	19.26	0.00	-0.02	3.20	3.20	3.20
CS6S65_WER1	100YR-1HR	19.26	-0.25	-2.57	1.61	1.61	1.61
EX6S01_S33	100YR-1HR	1.80	0.00	0.01	2.33	8.13	5.23
EX6S03_CH6_1+A	100YR-1HR	3.76	0.00	0.01	2.90	12.65	7.78
EX6S04_S43	100YR-1HR	2.51	0.00	0.00	2.55	9.61	6.08
EX6S07_P6W	100YR-1HR	3.76	0.00	0.13	5.88	20.33	11.85
EX6S08_S46	100YR-1HR	28.53	0.00	-0.05	20.43	20.94	20.69
EX6S09_S08	100YR-1HR	6.54	0.00	0.01	3.70	11.36	7.53
EX6S10_S09	100YR-1HR	5.69	0.00	0.01	3.32	5.96	4.02
EX6S11_S10	100YR-1HR	1.27	-0.97	-0.60	2.07	-2.89	-2.04
EX6S12_S11	100YR-1HR	1.02	0.00	0.00	2.09	0.88	1.38
EX6S14_P6W	100YR-1HR	4.00	0.00	0.15	6.50	21.30	12.38
EX6S15_6GW3	100YR-1HR	6.18	0.00	0.01	0.00	0.00	0.00
EX6S15_S81	100YR-1HR	14.36	-5.73	0.45	4.57	4.57	4.57
EX6S17_S15	100YR-1HR	4.70	0.00	-0.90	28.97	33.21	26.16
EX6S18_S19	100YR-1HR	1.88	0.00	0.00	3.59	34.21	18.90
EX6S19_6GW4	100YR-1HR	5.08	0.00	0.00	0.00	0.00	0.00
EX6S19_S64	100YR-1HR	19.11	-1.12	0.08	6.08	6.08	6.08
EX6S20_S17	100YR-1HR	3.68	0.00	0.01	2.76	4.92	3.84
EX6S21_6GW3	100YR-1HR	6.40	0.00	0.00	0.00	0.00	0.00
EX6S21_S15	100YR-1HR	12.38	-0.26	0.03	3.94	3.94	3.94
EX6S22_S23	100YR-1HR	2.87	0.00	0.72	25.98	27.97	23.99
EX6S23A_S23	100YR-1HR	24.34	0.00	0.02	7.75	7.95	7.82
EX6S23B_S23A	100YR-1HR	2.67	0.00	0.67	24.02	26.86	22.56
EX6S23_6GW4	100YR-1HR	5.62	0.00	0.00	0.00	0.00	0.00
EX6S23_S19	100YR-1HR	20.33	-0.19	0.04	6.47	6.47	6.47
EX6S24_CH6	100YR-1HR	9.93	0.00	-0.02	7.11	7.38	7.22

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
_3+A							
EX6S25_S24	100YR-1HR	4.08	0.00	0.01	2.87	7.30	5.09
EX6S26_S27	100YR-1HR	4.15	0.00	-0.93	26.40	31.32	24.30
EX6S27_6S23A	100YR-1HR	22.54	0.00	0.03	7.18	7.87	7.51
EX6S28_S25	100YR-1HR	3.06	0.00	0.01	2.61	5.32	3.96
EX6S29_S61	100YR-1HR	4.15	0.00	0.02	2.87	3.54	2.86
EX6S30_S29	100YR-1HR	3.68	0.00	-0.51	15.12	26.47	15.38
EX6S31_S32	100YR-1HR	4.47	0.00	-0.88	25.09	31.63	23.36
EX6S32_S71	100YR-1HR	5.10	0.00	0.01	3.15	7.85	5.15
EX6S33_S34	100YR-1HR	1.80	0.00	0.01	2.32	7.92	5.12
EX6S34_6GW0	100YR-1HR	4.75	0.00	0.00	0.00	0.00	0.00
EX6S34_S35	100YR-1HR	1.24	-1.38	-0.03	1.02	1.43	1.20
EX6S35_6GW0	100YR-1HR	4.76	0.00	0.00	0.00	0.00	0.00
EX6S35_6GW1	100YR-1HR	4.76	0.00	0.00	0.00	0.00	0.00
EX6S35_S37	100YR-1HR	0.34	-6.16	-0.01	-2.17	-3.70	-2.71
EX6S36_S35	100YR-1HR	1.72	0.00	0.06	3.59	13.83	8.31
EX6S37-CH6_1+B	100YR-1HR	0.00	-10.25	-0.01	-3.26	-5.50	-4.38
EX6S37_6GW1	100YR-1HR	5.31	0.00	0.00	0.00	0.00	0.00
EX6S39_S37	100YR-1HR	0.55	0.00	0.01	1.63	2.63	2.13
EX6S40_S42	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S41_S42	100YR-1HR	1.57	0.00	0.00	2.26	3.31	2.79
EX6S42A_6GW1	100YR-1HR	1.35	0.00	0.00	0.00	0.00	0.00
EX6S42A_S42	100YR-1HR	0.00	-1.37	0.00	-1.13	-2.37	-1.73
EX6S42_6GW1	100YR-1HR	1.36	0.00	0.00	0.00	0.00	0.00
EX6S43_S44	100YR-1HR	3.37	0.00	0.02	2.68	4.14	3.25
EX6S44_S45	100YR-1HR	7.36	0.00	0.00	3.11	3.17	3.14
EX6S45_S46	100YR-1HR	7.35	0.00	0.02	3.17	7.83	5.50
EX6S46_6GW2	100YR-1HR	6.17	0.00	0.05	0.00	0.00	0.00
EX6S46_S48	100YR-1HR	12.02	-0.93	0.51	3.82	5.84	4.83
EX6S48_6GW2	100YR-1HR	6.15	0.00	0.01	0.00	0.00	0.00
EX6S48_6GW2A	100YR-1HR	4.02	0.00	0.00	0.00	0.00	0.00
EX6S48_S87	100YR-1HR	5.60	-5.72	-0.28	2.39	4.35	3.37
EX6S50_S15	100YR-1HR	3.78	-0.67	0.51	1.20	-2.47	-1.57
EX6S51A_6GW3	100YR-1HR	1.44	0.00	0.00	0.00	0.00	0.00
EX6S51A_EX6	100YR-1HR	0.00	-1.94	0.57	-1.26	-2.34	-1.78

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S51							
EX6S51_6GW3	100YR-1HR	1.44	0.00	0.00	0.00	0.00	0.00
EX6S53_CH6_2+A	100YR-1HR	3.39	0.00	-0.03	2.51	4.18	3.29
EX6S55_S56	100YR-1HR	2.74	0.00	0.01	2.56	6.36	4.27
EX6S56_S21	100YR-1HR	18.17	0.00	0.01	5.78	16.56	11.09
EX6S57_S56	100YR-1HR	9.75	0.00	0.01	3.52	3.10	3.31
EX6S58_S57	100YR-1HR	0.78	0.00	0.01	1.80	3.46	2.63
EX6S59_S60	100YR-1HR	3.04	0.00	-0.15	2.13	4.04	3.08
EX6S60_S57	100YR-1HR	8.29	0.00	0.01	3.33	11.49	7.41
EX6S61_S60	100YR-1HR	5.27	0.00	0.02	2.60	4.13	3.11
EX6S62A_S65A	100YR-1HR	2.83	0.00	0.60	1.60	1.60	1.60
EX6S62_S62A	100YR-1HR	0.21	-1.63	0.04	1.15	-3.34	-2.13
EX6S63_S64	100YR-1HR	2.69	-3.48	-0.90	1.32	-3.17	-2.05
EX6S64_S65A	100YR-1HR	16.74	-1.40	0.16	3.77	4.83	4.30
EX6S65C_0601	100YR-1HR	19.26	0.00	-0.91	3.92	6.35	5.13
EX6S68_S23	100YR-1HR	0.71	-4.50	-0.31	-2.09	-4.19	-3.13
EX6S68_WEIR	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S69_S27	100YR-1HR	17.98	-0.70	0.10	5.72	5.72	5.72
EX6S69_WEIR	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S70_S69	100YR-1HR	16.71	0.00	0.01	5.32	11.77	7.81
EX6S70_WEIR	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S71_S70	100YR-1HR	13.31	0.00	0.01	4.24	8.33	5.77
EX6S72_S12	100YR-1HR	1.02	0.00	0.01	1.94	4.55	3.23
EX6S74_4+A	100YR-1HR	2.51	0.00	-0.02	3.93	25.64	14.79
EX6S75A_S70	100YR-1HR	2.34	0.00	-0.01	2.44	1.32	1.84
EX6S75B_S75A	100YR-1HR	0.71	0.00	0.01	1.78	0.74	1.24
EX6S75_S75A	100YR-1HR	1.18	0.00	0.01	2.01	3.97	2.90
EX6S76_S71	100YR-1HR	8.21	-0.44	0.02	2.61	2.61	2.61
EX6S77A_S77	100YR-1HR	5.09	0.00	0.01	3.14	7.53	5.01
EX6S77_S76	100YR-1HR	6.57	0.00	0.01	3.72	8.75	6.21
EX6S78A_S78	100YR-1HR	2.43	0.00	0.01	2.47	5.61	3.81
EX6S78_S77A	100YR-1HR	3.76	0.00	0.01	2.82	7.69	5.03
EX6S79_S83	100YR-1HR	7.64	-10.55	0.09	-3.36	-3.46	-3.40
EX6S81_6GW3	100YR-1HR	3.52	0.00	-0.01	0.00	0.00	0.00
EX6S81_S82	100YR-1HR	11.42	-1.84	-0.07	3.64	4.22	3.64
EX6S82_6GW3	100YR-1HR	3.35	0.00	0.00	0.00	0.00	0.00
EX6S82_S84	100YR-1HR	8.80	-4.16	-0.07	2.80	2.80	2.80

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S83_S85	100YR-1HR	8.08	-8.99	0.05	3.19	-2.86	-2.86
EX6S84_S63	100YR-1HR	2.56	-3.19	-1.79	-1.46	-2.84	-2.12
EX6S85_S84	100YR-1HR	4.20	-11.69	0.05	-2.56	-4.46	-3.47
EX6S86_S85	100YR-1HR	0.43	-1.65	-0.18	-2.00	-3.35	-2.67
EX6S87A_S85	100YR-1HR	2.43	-8.15	0.59	-2.59	-2.59	-2.59
EX6S87B_S87A	100YR-1HR	0.91	0.00	0.00	2.05	7.59	4.82
EX6S87_6GW2A	100YR-1HR	4.01	0.00	0.00	0.00	0.00	0.00
EX6S87_S87A	100YR-1HR	2.97	-8.42	-0.13	-2.68	3.53	2.96
PND6E1_S46	100YR-1HR	2.27	-6.59	-2.21	-2.10	-4.33	-3.12
PND6E1_S48	100YR-1HR	8.51	0.00	-4.49	3.36	2.71	2.95
CH6_1+B_S79	100YR-24HR	2.52	0.00	0.01	2.10	1.96	2.03
CH6_1+SEC1	100YR-24HR	0.65	0.00	0.00	1.55	1.90	1.72
CH6_2+B_S50	100YR-24HR	0.86	-0.12	-0.86	0.55	-1.61	-0.96
CH6_2+SEC1	100YR-24HR	0.58	0.00	-0.01	0.36	1.48	0.92
CH6_3+SEC1	100YR-24HR	2.59	0.00	0.02	1.58	2.24	1.91
CH6_4+A_WEIR	100YR-24HR	0.00	-1.06	0.00	0.00	0.00	0.00
CH6_4+SEC1	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
CH6_5+SEC1	100YR-24HR	0.00	-0.31	0.00	0.00	-1.19	-0.59
CS6S65_WEIR2	100YR-24HR	0.99	0.00	0.01	1.20	1.20	1.20
CS6S65_WER1	100YR-24HR	2.14	-0.30	2.06	0.18	0.18	0.18
EX6S01_S33	100YR-24HR	0.31	0.00	-0.01	1.58	4.80	3.19
EX6S03_CH6_1+A	100YR-24HR	0.65	0.00	0.01	1.99	7.50	4.74
EX6S04_S43	100YR-24HR	0.43	0.00	0.00	1.73	1.23	1.48
EX6S07_P6W	100YR-24HR	0.65	0.00	0.19	5.89	11.99	7.83
EX6S08_S46	100YR-24HR	28.53	0.00	-0.53	20.43	20.94	20.69
EX6S09_S08	100YR-24HR	1.20	0.00	0.01	2.10	6.96	4.53
EX6S10_S09	100YR-24HR	1.06	0.00	0.01	1.99	1.84	1.92
EX6S11_S10	100YR-24HR	0.29	-0.01	-0.01	1.47	0.55	0.99
EX6S12_S11	100YR-24HR	0.18	0.00	0.00	1.55	0.86	1.16
EX6S14_P6W	100YR-24HR	0.69	0.00	-0.19	6.51	0.78	3.60
EX6S15_6GW3	100YR-24HR	1.95	0.00	0.01	0.00	0.00	0.00
EX6S15_S81	100YR-24HR	1.85	-5.73	-0.99	-2.66	-4.54	-3.60
EX6S17_S15	100YR-24HR	0.81	0.00	0.00	2.82	0.00	1.41
EX6S18_S19	100YR-24HR	0.32	0.00	0.00	2.20	0.45	1.22
EX6S19_6GW4	100YR-24HR	2.70	0.00	0.00	0.00	0.00	0.00
EX6S19_S64	100YR-24HR	0.52	-0.43	0.05	-0.88	-2.17	-1.52
EX6S20_S17	100YR-24HR	0.64	0.00	0.01	1.70	2.99	2.34

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S21_6GW3	100YR-24HR	1.99	0.00	0.00	0.00	0.00	0.00
EX6S21_S15	100YR-24HR	1.86	-0.07	0.32	0.84	1.22	0.96
EX6S22_S23	100YR-24HR	0.26	0.00	0.00	2.07	0.00	1.03
EX6S23A_S23	100YR-24HR	4.62	0.00	0.02	2.75	5.24	3.99
EX6S23B_S23A	100YR-24HR	0.27	0.00	0.00	2.09	0.00	1.05
EX6S23_6GW4	100YR-24HR	2.72	0.00	0.00	0.00	0.00	0.00
EX6S23_S19	100YR-24HR	2.28	0.00	0.20	0.78	1.20	0.97
EX6S24_CH6_3+A	100YR-24HR	9.93	0.00	-0.02	7.11	7.38	7.22
EX6S25_S24	100YR-24HR	0.70	0.00	0.01	1.78	4.39	3.08
EX6S26_S27	100YR-24HR	0.72	0.00	0.00	2.72	0.00	1.36
EX6S27_6S23A	100YR-24HR	4.26	0.00	0.00	2.68	3.91	3.29
EX6S28_S25	100YR-24HR	0.53	0.00	-0.01	1.63	3.20	2.41
EX6S29_S61	100YR-24HR	0.85	0.00	0.02	1.83	1.79	1.76
EX6S30_S29	100YR-24HR	0.64	0.00	0.00	2.63	0.00	1.32
EX6S31_S32	100YR-24HR	0.77	0.00	0.00	2.78	0.00	1.39
EX6S32_S71	100YR-24HR	1.00	0.00	0.01	1.99	3.77	2.58
EX6S33_S34	100YR-24HR	0.31	0.00	0.01	1.56	4.68	3.12
EX6S34_6GW0	100YR-24HR	1.37	-0.01	0.00	0.00	0.00	0.00
EX6S34_S35	100YR-24HR	0.10	-0.03	0.02	0.24	0.28	0.26
EX6S35_6GW0	100YR-24HR	1.36	-0.01	0.00	0.00	0.00	0.00
EX6S35_6GW1	100YR-24HR	1.36	-0.01	0.00	0.00	0.00	0.00
EX6S35_S37	100YR-24HR	0.00	-0.64	-0.04	-0.42	-0.43	-0.42
EX6S36_S35	100YR-24HR	0.30	0.00	0.11	3.62	0.00	1.81
EX6S37-CH6_1+B	100YR-24HR	0.00	-1.64	0.00	-1.24	-3.17	-2.20
EX6S37_6GW1	100YR-24HR	1.39	-0.01	0.00	0.00	0.00	0.00
EX6S39_S37	100YR-24HR	0.09	0.00	-0.01	1.33	1.55	1.30
EX6S40_S42	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S41_S42	100YR-24HR	0.27	0.00	0.00	1.37	2.06	1.71
EX6S42A_6GW1	100YR-24HR	0.34	-0.05	-0.05	0.00	0.00	0.00
EX6S42A_S42	100YR-24HR	0.00	-0.35	0.04	-0.35	-0.45	-0.37
EX6S42_6GW1	100YR-24HR	0.34	-0.05	-0.05	0.00	0.00	0.00
EX6S43_S44	100YR-24HR	0.58	0.00	0.02	1.66	2.85	2.25
EX6S44_S45	100YR-24HR	1.27	0.00	0.00	1.93	1.96	1.95
EX6S45_S46	100YR-24HR	1.27	0.00	0.02	1.96	4.70	3.33
EX6S46_6GW	100YR-24HR	4.46	0.00	0.05	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
2							
EX6S46_S48	100YR-24HR	12.02	-0.07	0.29	3.82	5.84	4.83
EX6S48_6GW2	100YR-24HR	2.41	0.00	0.01	0.00	0.00	0.00
EX6S48_6GW2A	100YR-24HR	1.75	0.00	0.00	0.00	0.00	0.00
EX6S48_S87	100YR-24HR	4.99	-1.67	0.52	2.39	4.35	3.37
EX6S50_S15	100YR-24HR	1.03	-0.66	0.82	-0.68	-2.47	-1.57
EX6S51A_6GW3	100YR-24HR	0.42	0.00	0.00	0.00	0.00	0.00
EX6S51A_EX6S51	100YR-24HR	0.00	-0.83	0.77	-0.41	-0.62	-0.51
EX6S51_6GW3	100YR-24HR	0.42	0.00	0.00	0.00	0.00	0.00
EX6S53_CH6_2+A	100YR-24HR	0.58	0.00	-0.01	1.67	2.21	1.94
EX6S55_S56	100YR-24HR	0.47	0.00	0.01	1.64	1.16	1.20
EX6S56_S21	100YR-24HR	3.54	0.00	0.00	2.66	10.43	6.54
EX6S57_S56	100YR-24HR	1.94	0.00	0.01	2.23	1.46	1.84
EX6S58_S57	100YR-24HR	0.14	0.00	0.01	1.48	2.04	1.60
EX6S59_S60	100YR-24HR	0.77	-0.01	-0.64	1.47	2.01	1.58
EX6S60_S57	100YR-24HR	1.66	0.00	0.01	2.16	7.16	4.66
EX6S61_S60	100YR-24HR	1.13	0.00	0.02	1.89	2.06	1.68
EX6S62A_S65A	100YR-24HR	0.91	0.00	0.89	0.52	0.52	0.52
EX6S62_S62A	100YR-24HR	0.06	0.00	-0.01	0.93	0.03	0.48
EX6S63_S64	100YR-24HR	0.01	-0.08	0.00	0.20	-1.42	-0.75
EX6S64_S65A	100YR-24HR	0.54	-0.44	0.26	-0.87	-1.62	-1.19
EX6S65C_0601	100YR-24HR	1.05	0.00	0.20	0.25	0.24	0.25
EX6S68_S23	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S68_WEIR	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S69_S27	100YR-24HR	3.41	0.00	0.00	2.50	2.15	2.32
EX6S69_WEIR	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S70_S69	100YR-24HR	3.06	0.00	0.01	2.50	7.99	5.24
EX6S70_WEIR	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S71_S70	100YR-24HR	2.42	0.00	0.01	2.33	3.90	2.76
EX6S72_S12	100YR-24HR	0.18	0.00	0.01	1.47	2.74	2.00
EX6S74_4+A	100YR-24HR	0.43	0.00	0.00	2.37	0.31	1.34
EX6S75A_S70	100YR-24HR	0.41	0.00	0.01	1.64	0.41	1.02
EX6S75B_S75A	100YR-24HR	0.12	0.00	-0.01	1.47	0.61	1.04
EX6S75_S75A	100YR-24HR	0.20	0.00	-0.01	1.48	1.16	1.22
EX6S76_S71	100YR-24HR	1.42	-0.03	0.02	1.59	1.36	1.47

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S77A_S77	100YR-24HR	0.88	0.00	0.01	1.91	3.67	2.53
EX6S77_S76	100YR-24HR	1.14	0.00	0.01	2.02	5.34	3.68
EX6S78A_S78	100YR-24HR	0.42	0.00	0.01	1.59	1.16	1.38
EX6S78_S77A	100YR-24HR	0.65	0.00	0.01	1.80	1.41	1.61
EX6S79_S83	100YR-24HR	2.61	0.00	0.00	2.04	2.05	2.05
EX6S81_6GW3	100YR-24HR	1.29	0.00	-0.01	0.00	0.00	0.00
EX6S81_S82	100YR-24HR	4.50	-0.01	-0.51	2.29	4.22	3.26
EX6S82_6GW3	100YR-24HR	1.03	0.00	0.00	0.00	0.00	0.00
EX6S82_S84	100YR-24HR	0.20	-0.05	0.03	1.20	-0.76	0.75
EX6S83_S85	100YR-24HR	2.89	-0.05	-0.15	2.29	0.92	1.55
EX6S84_S63	100YR-24HR	0.00	-0.04	0.00	0.00	0.00	0.00
EX6S85_S84	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S86_S85	100YR-24HR	0.10	0.00	-0.01	1.08	1.57	1.32
EX6S87A_S85	100YR-24HR	2.43	-2.98	-1.19	2.30	2.24	2.16
EX6S87B_S87A	100YR-24HR	0.20	0.00	0.00	1.59	0.00	0.79
EX6S87_6GW2A	100YR-24HR	1.63	0.00	0.00	0.00	0.00	0.00
EX6S87_S87A	100YR-24HR	2.97	-3.16	-0.71	2.43	3.53	2.96
PND6E1_S46	100YR-24HR	0.62	-4.94	-0.04	-1.90	-4.33	-3.12
PND6E1_S48	100YR-24HR	1.19	0.00	0.01	2.18	0.57	1.37
CH6_1+B_S79	100YR-8HR	4.63	-3.82	0.85	1.96	1.79	1.88
CH6_1+SEC1	100YR-8HR	1.95	0.00	0.00	2.15	2.85	2.50
CH6_2+B_S50	100YR-8HR	1.65	-0.12	1.25	0.59	-1.61	-0.96
CH6_2+SEC1	100YR-8HR	1.74	0.00	0.01	0.58	2.05	1.32
CH6_3+SEC1	100YR-8HR	2.64	0.00	0.02	1.59	2.25	1.92
CH6_4+A_WEIR	100YR-8HR	0.00	-3.04	0.00	0.00	0.00	0.00
CH6_4+SEC1	100YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
CH6_5+SEC1	100YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
CS6S65_WEIR2	100YR-8HR	12.52	0.00	-0.03	2.77	2.77	2.77
CS6S65_WER1	100YR-8HR	12.52	-0.23	3.52	1.04	1.04	1.04
EX6S01_S33	100YR-8HR	0.93	0.00	0.01	1.99	6.69	4.34
EX6S03_CH6_1+A	100YR-8HR	1.95	0.00	0.01	2.47	10.42	6.45
EX6S04_S43	100YR-8HR	1.30	0.00	0.00	2.18	7.91	5.05
EX6S07_P6W	100YR-8HR	1.95	0.00	-0.17	5.88	16.70	9.97
EX6S08_S46	100YR-8HR	28.53	0.00	0.43	20.43	20.94	20.69
EX6S09_S08	100YR-8HR	3.57	0.00	0.01	2.79	9.58	6.18
EX6S10_S09	100YR-8HR	3.12	0.00	-0.01	2.66	4.20	2.88
EX6S11_S10	100YR-8HR	1.21	-0.12	0.83	2.09	-1.66	1.69

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S12_S11	100YR-8HR	0.53	0.00	0.00	1.83	0.93	1.22
EX6S14_P6W	100YR-8HR	2.07	0.00	-0.19	6.50	16.83	10.09
EX6S15_6GW3	100YR-8HR	4.44	0.00	0.01	0.00	0.00	0.00
EX6S15_S81	100YR-8HR	7.61	-5.73	-1.11	-2.66	-4.54	-3.60
EX6S17_S15	100YR-8HR	3.17	0.00	-1.02	28.98	29.56	26.16
EX6S18_S19	100YR-8HR	0.97	0.00	0.00	2.96	0.70	1.83
EX6S19_6GW4	100YR-8HR	3.71	-0.01	0.00	0.00	0.00	0.00
EX6S19_S64	100YR-8HR	9.35	-0.48	0.05	3.38	3.49	3.43
EX6S20_S17	100YR-8HR	1.91	0.00	0.01	2.28	4.11	3.19
EX6S21_6GW3	100YR-8HR	4.68	0.00	0.00	0.00	0.00	0.00
EX6S21_S15	100YR-8HR	6.51	-0.07	0.35	2.07	2.07	2.07
EX6S22_S23	100YR-8HR	0.77	0.00	0.00	2.78	0.00	1.39
EX6S23A_S23	100YR-8HR	13.66	0.00	0.02	4.35	6.31	4.86
EX6S23B_S23A	100YR-8HR	0.81	0.00	0.00	2.82	0.00	1.41
EX6S23_6GW4	100YR-8HR	4.20	-0.01	0.00	0.00	0.00	0.00
EX6S23_S19	100YR-8HR	10.46	-0.03	0.24	3.33	3.33	3.33
EX6S24_CH6_3+A	100YR-8HR	9.93	0.00	-0.02	7.11	7.38	7.22
EX6S25_S24	100YR-8HR	2.11	0.00	0.01	2.36	6.06	4.21
EX6S26_S27	100YR-8HR	2.92	0.00	-0.93	26.41	28.20	24.31
EX6S27_6S23A	100YR-8HR	12.62	0.00	0.00	4.02	5.88	4.95
EX6S28_S25	100YR-8HR	1.58	0.00	0.01	2.17	4.41	3.29
EX6S29_S61	100YR-8HR	2.47	0.00	0.02	2.45	2.35	2.39
EX6S30_S29	100YR-8HR	1.91	0.00	-0.51	15.11	21.74	14.37
EX6S31_S32	100YR-8HR	2.79	0.00	1.39	25.10	27.48	23.36
EX6S32_S71	100YR-8HR	2.95	0.00	0.01	2.63	4.98	3.33
EX6S33_S34	100YR-8HR	0.93	0.00	0.01	1.98	6.51	4.25
EX6S34_6GW0	100YR-8HR	5.16	-0.01	-0.01	0.00	0.00	0.00
EX6S34_S35	100YR-8HR	0.38	-1.51	-0.03	-0.48	-0.48	-0.48
EX6S35_6GW0	100YR-8HR	5.19	-0.01	-0.01	0.00	0.00	0.00
EX6S35_6GW1	100YR-8HR	5.19	-0.01	-0.01	0.00	0.00	0.00
EX6S35_S37	100YR-8HR	0.00	-6.33	-0.04	-2.02	-2.02	-2.02
EX6S36_S35	100YR-8HR	0.89	0.00	0.11	3.61	11.33	6.99
EX6S37-CH6_1+B	100YR-8HR	0.00	-10.83	0.00	-3.45	-5.22	-4.04
EX6S37_6GW1	100YR-8HR	5.47	-0.01	-0.01	0.00	0.00	0.00
EX6S39_S37	100YR-8HR	0.28	0.00	0.01	1.38	2.17	1.77

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S40_S42	100YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S41_S42	100YR-8HR	0.81	0.00	0.00	1.87	2.75	2.31
EX6S42A_6GW1	100YR-8HR	0.96	-0.08	-0.08	0.00	0.00	0.00
EX6S42A_S42	100YR-8HR	0.00	-1.20	-0.57	-0.47	-0.85	-0.65
EX6S42_6GW1	100YR-8HR	0.96	-0.08	-0.08	0.00	0.00	0.00
EX6S43_S44	100YR-8HR	1.74	0.00	0.02	2.22	3.92	3.07
EX6S44_S45	100YR-8HR	3.81	0.00	0.00	2.60	2.62	2.61
EX6S45_S46	100YR-8HR	3.81	0.00	0.02	2.62	6.49	4.56
EX6S46_6GW2	100YR-8HR	4.46	0.00	0.05	0.00	0.00	0.00
EX6S46_S48	100YR-8HR	12.02	-0.13	0.77	3.82	5.84	4.83
EX6S48_6GW2	100YR-8HR	4.24	0.00	-0.01	0.00	0.00	0.00
EX6S48_6GW2A	100YR-8HR	2.94	0.00	0.00	0.00	0.00	0.00
EX6S48_S87	100YR-8HR	4.99	-2.45	0.58	2.39	4.35	3.37
EX6S50_S15	100YR-8HR	1.87	-0.66	1.05	-0.68	-2.47	-1.57
EX6S51A_6GW3	100YR-8HR	1.13	0.00	0.00	0.00	0.00	0.00
EX6S51A_EX6S51	100YR-8HR	0.00	-1.69	-1.27	-0.57	-0.91	-0.72
EX6S51_6GW3	100YR-8HR	1.13	0.00	0.00	0.00	0.00	0.00
EX6S53_CH6_2+A	100YR-8HR	1.74	0.00	0.01	2.05	3.27	2.66
EX6S55_S56	100YR-8HR	1.42	0.00	0.01	2.15	3.99	2.74
EX6S56_S21	100YR-8HR	10.42	0.00	0.00	3.64	14.28	8.96
EX6S57_S56	100YR-8HR	5.70	0.00	0.01	2.96	1.99	2.48
EX6S58_S57	100YR-8HR	0.41	0.00	0.01	1.52	2.85	2.18
EX6S59_S60	100YR-8HR	1.58	-0.03	0.74	1.47	2.64	2.04
EX6S60_S57	100YR-8HR	4.86	0.00	0.01	2.84	9.84	6.34
EX6S61_S60	100YR-8HR	3.28	0.00	0.02	2.50	2.73	2.21
EX6S62A_S65A	100YR-8HR	1.54	0.00	-0.89	0.87	0.87	0.87
EX6S62_S62A	100YR-8HR	0.17	-0.43	0.05	0.89	-2.32	-1.28
EX6S63_S64	100YR-8HR	3.11	-1.22	2.02	1.79	-2.35	1.36
EX6S64_S65A	100YR-8HR	11.08	-0.49	0.24	3.12	4.10	3.61
EX6S65C_0601	100YR-8HR	12.52	0.00	-3.91	3.44	3.75	3.51
EX6S68_S23	100YR-8HR	0.11	-0.94	-0.01	-0.98	-2.72	-1.85
EX6S68_WEIR	100YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S69_S27	100YR-8HR	10.10	-0.05	0.01	3.22	3.22	3.22
EX6S69_WEIR	100YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S70_S69	100YR-8HR	9.10	0.00	0.01	3.43	9.37	6.13
EX6S70_WEIR	100YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S71_S70	100YR-8HR	7.20	0.00	0.01	3.15	5.14	3.58
EX6S72_S12	100YR-8HR	0.53	0.00	0.01	1.65	3.53	2.54
EX6S74_4+A	100YR-8HR	1.30	0.00	0.02	3.22	0.93	2.08
EX6S75A_S70	100YR-8HR	1.22	0.00	0.01	2.10	0.69	1.40
EX6S75B_S75A	100YR-8HR	0.36	0.00	0.01	1.51	0.63	1.07
EX6S75_S75A	100YR-8HR	0.61	0.00	-0.01	1.69	2.38	1.79
EX6S76_S71	100YR-8HR	4.26	-0.11	0.02	1.96	1.86	1.91
EX6S77A_S77	100YR-8HR	2.64	0.00	0.01	2.54	4.80	3.25
EX6S77_S76	100YR-8HR	3.41	0.00	0.01	2.72	7.33	5.03
EX6S78A_S78	100YR-8HR	1.26	0.00	0.01	2.08	3.62	2.52
EX6S78_S77A	100YR-8HR	1.95	0.00	0.01	2.35	4.81	3.22
EX6S79_S83	100YR-8HR	4.83	-3.60	0.60	1.90	1.81	1.85
EX6S81_6GW3	100YR-8HR	2.50	0.00	-0.01	0.00	0.00	0.00
EX6S81_S82	100YR-8HR	5.41	-0.16	0.84	2.29	4.22	3.26
EX6S82_6GW3	100YR-8HR	2.42	0.00	0.00	0.00	0.00	0.00
EX6S82_S84	100YR-8HR	3.39	-1.70	0.93	1.20	1.08	1.08
EX6S83_S85	100YR-8HR	5.31	-2.77	-1.13	2.20	1.69	1.69
EX6S84_S63	100YR-8HR	3.03	-1.14	1.34	1.09	-2.28	-1.65
EX6S85_S84	100YR-8HR	2.98	-3.24	0.89	1.69	-3.02	-2.22
EX6S86_S85	100YR-8HR	0.54	-0.26	-0.51	1.16	-2.03	-1.50
EX6S87A_S85	100YR-8HR	2.43	-4.24	-1.44	2.30	2.24	2.16
EX6S87B_S87A	100YR-8HR	0.60	0.00	0.00	1.88	6.69	4.29
EX6S87_6GW2A	100YR-8HR	2.94	0.00	0.00	0.00	0.00	0.00
EX6S87_S87A	100YR-8HR	2.97	-4.55	-0.81	2.43	3.53	2.96
PND6E1_S46	100YR-8HR	1.68	-4.94	-1.67	-1.90	-4.33	-3.12
PND6E1_S48	100YR-8HR	5.98	0.00	-4.86	3.10	1.90	2.50
CH6_1+B_S79	10YR-1HR	4.37	-4.53	0.01	2.44	-4.22	-3.31
CH6_1+SEC1	10YR-1HR	2.58	0.00	0.00	2.33	3.15	2.74
CH6_2+B_S50	10YR-1HR	1.50	-0.22	-1.30	0.85	-1.84	-1.14
CH6_2+SEC1	10YR-1HR	2.31	0.00	0.01	0.66	2.22	1.44
CH6_3+SEC1	10YR-1HR	3.50	0.00	-0.03	1.76	2.42	2.08
CH6_4+A_WEIR	10YR-1HR	0.00	-2.71	0.00	0.00	0.00	0.00
CH6_4+SEC1	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
CH6_5+SEC1	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
CS6S65_WEIR2	10YR-1HR	9.34	0.00	-0.02	2.52	2.52	2.52

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS6S65_WER 1	10YR-1HR	9.34	-0.29	-2.73	0.78	0.78	0.78
EX6S01_S33	10YR-1HR	1.24	0.00	0.01	2.13	7.27	4.70
EX6S03_CH6 _1+A	10YR-1HR	2.59	0.00	0.01	2.64	11.34	6.99
EX6S04_S43	10YR-1HR	1.72	0.00	0.00	2.33	8.61	5.47
EX6S07_P6W	10YR-1HR	2.59	0.00	0.13	5.88	18.18	10.72
EX6S08_S46	10YR-1HR	28.53	0.00	-0.03	20.43	20.94	20.69
EX6S09_S08	10YR-1HR	4.39	0.00	0.01	2.98	10.16	6.57
EX6S10_S09	10YR-1HR	3.81	0.00	-0.01	2.82	5.77	3.90
EX6S11_S10	10YR-1HR	1.18	-0.80	-0.89	2.06	-2.74	-1.90
EX6S12_S11	10YR-1HR	0.70	0.00	0.00	1.93	0.89	1.29
EX6S14_P6W	10YR-1HR	2.75	0.00	0.15	6.50	19.05	11.21
EX6S15_6GW 3	10YR-1HR	5.63	0.00	0.01	0.00	0.00	0.00
EX6S15_S81	10YR-1HR	5.49	-5.73	0.07	-2.66	-4.54	-3.60
EX6S17_S15	10YR-1HR	3.23	0.00	-1.03	28.98	29.70	26.17
EX6S18_S19	10YR-1HR	1.29	0.00	0.00	3.21	0.75	1.88
EX6S19_6GW 4	10YR-1HR	4.69	0.00	0.00	0.00	0.00	0.00
EX6S19_S64	10YR-1HR	9.89	-1.06	0.07	3.51	4.13	3.82
EX6S20_S17	10YR-1HR	2.53	0.00	0.01	2.47	4.44	3.46
EX6S21_6GW 3	10YR-1HR	5.69	0.00	0.00	0.00	0.00	0.00
EX6S21_S15	10YR-1HR	6.38	-0.25	-0.02	2.03	2.03	2.03
EX6S22_S23	10YR-1HR	1.02	0.00	0.00	3.01	20.47	11.74
EX6S23A_S23	10YR-1HR	16.09	0.00	0.02	5.12	6.31	5.47
EX6S23B_S23 A	10YR-1HR	1.08	0.00	0.00	3.05	20.42	11.73
EX6S23_6GW 4	10YR-1HR	4.89	0.00	0.00	0.00	0.00	0.00
EX6S23_S19	10YR-1HR	12.25	-0.16	0.03	3.90	3.90	3.90
EX6S24_CH6 _3+A	10YR-1HR	9.93	0.00	-0.02	7.11	7.38	7.22
EX6S25_S24	10YR-1HR	2.80	0.00	0.01	2.56	6.57	4.57
EX6S26_S27	10YR-1HR	2.92	0.00	-0.93	26.40	28.21	24.31
EX6S27_6S23 A	10YR-1HR	14.91	0.00	0.03	4.75	6.42	5.57
EX6S28_S25	10YR-1HR	2.10	0.00	0.01	2.35	4.79	3.57
EX6S29_S61	10YR-1HR	2.69	0.00	0.02	2.51	3.42	2.76
EX6S30_S29	10YR-1HR	2.53	0.00	0.83	15.11	23.67	14.37
EX6S31_S32	10YR-1HR	3.07	0.00	0.70	25.09	28.28	23.35
EX6S32_S71	10YR-1HR	3.34	0.00	0.01	2.72	7.52	4.94
EX6S33_S34	10YR-1HR	1.24	0.00	0.01	2.12	7.09	4.60
EX6S34_6GW 0	10YR-1HR	2.02	0.00	0.00	0.00	0.00	0.00
EX6S34_S35	10YR-1HR	0.68	-0.11	0.00	0.88	1.38	1.09

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S35_6GW0	10YR-1HR	2.00	0.00	0.00	0.00	0.00	0.00
EX6S35_6GW1	10YR-1HR	2.00	0.00	0.00	0.00	0.00	0.00
EX6S35_S37	10YR-1HR	0.03	-1.55	0.00	-1.33	-2.90	-2.06
EX6S36_S35	10YR-1HR	1.18	0.00	0.07	3.60	12.36	7.52
EX6S37-CH6_1+B	10YR-1HR	0.00	-3.21	0.00	-1.63	-3.82	-2.72
EX6S37_6GW1	10YR-1HR	2.42	0.00	0.00	0.00	0.00	0.00
EX6S39_S37	10YR-1HR	0.38	0.00	0.01	1.48	2.35	1.92
EX6S40_S42	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S41_S42	10YR-1HR	1.08	0.00	0.00	2.03	2.98	2.50
EX6S42A_6GW1	10YR-1HR	0.78	0.00	0.00	0.00	0.00	0.00
EX6S42A_S42	10YR-1HR	0.00	-0.79	0.00	-1.04	-2.23	-1.62
EX6S42_6GW1	10YR-1HR	0.80	0.00	0.00	0.00	0.00	0.00
EX6S43_S44	10YR-1HR	2.31	0.00	0.02	2.40	4.13	3.24
EX6S44_S45	10YR-1HR	5.06	0.00	0.00	2.82	2.84	2.83
EX6S45_S46	10YR-1HR	5.05	0.00	0.02	2.84	7.04	4.94
EX6S46_6GW2	10YR-1HR	4.50	0.00	0.05	0.00	0.00	0.00
EX6S46_S48	10YR-1HR	12.02	-0.25	0.07	3.82	5.84	4.83
EX6S48_6GW2	10YR-1HR	4.33	0.00	0.01	0.00	0.00	0.00
EX6S48_6GW2A	10YR-1HR	3.14	0.00	0.00	0.00	0.00	0.00
EX6S48_S87	10YR-1HR	4.99	-3.20	-0.05	2.39	4.35	3.37
EX6S50_S15	10YR-1HR	1.58	-0.66	0.75	-0.68	-2.47	-1.57
EX6S51A_6GW3	10YR-1HR	1.22	0.00	0.00	0.00	0.00	0.00
EX6S51A_EX6S51	10YR-1HR	0.00	-1.78	-1.22	-1.24	-2.31	-1.76
EX6S51_6GW3	10YR-1HR	1.22	0.00	0.00	0.00	0.00	0.00
EX6S53_CH6_2+A	10YR-1HR	2.32	0.00	-0.02	2.16	3.69	2.91
EX6S55_S56	10YR-1HR	1.89	0.00	0.01	2.31	6.09	4.09
EX6S56_S21	10YR-1HR	11.89	0.00	0.01	3.89	14.83	9.36
EX6S57_S56	10YR-1HR	6.31	0.00	0.01	3.05	2.06	2.55
EX6S58_S57	10YR-1HR	0.54	0.00	0.01	1.63	3.10	2.36
EX6S59_S60	10YR-1HR	2.09	0.00	-0.14	2.06	3.90	2.97
EX6S60_S57	10YR-1HR	5.38	0.00	0.01	2.92	10.14	6.53
EX6S61_S60	10YR-1HR	3.31	0.00	0.02	2.51	4.00	3.02
EX6S62A_S65A	10YR-1HR	1.88	0.00	-0.56	1.47	1.30	1.29

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S62_S62A	10YR-1HR	0.12	-1.06	-0.03	1.03	-2.96	-1.78
EX6S63_S64	10YR-1HR	0.04	-2.62	0.01	-0.94	-2.88	-1.76
EX6S64_S65A	10YR-1HR	7.48	-1.21	0.18	2.56	3.23	2.90
EX6S65C_0601	10YR-1HR	9.34	0.00	-0.90	2.91	4.49	3.66
EX6S68_S23	10YR-1HR	0.18	-2.52	0.01	-1.59	-3.56	-2.57
EX6S68_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S69_S27	10YR-1HR	11.88	-0.58	0.08	3.78	3.78	3.78
EX6S69_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S70_S69	10YR-1HR	11.20	0.00	0.01	3.74	11.61	7.67
EX6S70_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S71_S70	10YR-1HR	8.96	0.00	0.01	3.39	7.93	5.48
EX6S72_S12	10YR-1HR	0.70	0.00	0.01	1.77	4.15	2.96
EX6S74_4+A	10YR-1HR	1.72	0.00	0.02	3.50	22.91	13.20
EX6S75A_S70	10YR-1HR	1.61	0.00	0.01	2.26	0.91	1.58
EX6S75B_S75A	10YR-1HR	0.48	0.00	0.01	1.62	0.68	1.15
EX6S75_S75A	10YR-1HR	0.81	0.00	0.01	1.82	3.76	2.75
EX6S76_S71	10YR-1HR	5.63	-0.44	0.02	2.20	-2.21	2.16
EX6S77A_S77	10YR-1HR	3.49	0.00	0.01	2.75	7.22	4.80
EX6S77_S76	10YR-1HR	4.51	0.00	0.01	2.98	7.93	5.46
EX6S78A_S78	10YR-1HR	1.67	0.00	0.01	2.24	5.39	3.67
EX6S78_S77A	10YR-1HR	2.58	0.00	0.01	2.54	7.35	4.81
EX6S79_S83	10YR-1HR	4.54	-4.21	0.02	2.48	2.58	2.53
EX6S81_6GW3	10YR-1HR	3.01	0.00	-0.01	0.00	0.00	0.00
EX6S81_S82	10YR-1HR	4.50	-0.01	-0.05	2.29	4.22	3.26
EX6S82_6GW3	10YR-1HR	3.00	0.00	0.00	0.00	0.00	0.00
EX6S82_S84	10YR-1HR	0.48	-1.53	-0.07	1.20	-0.76	0.75
EX6S83_S85	10YR-1HR	5.04	-3.11	-0.23	2.82	1.60	2.21
EX6S84_S63	10YR-1HR	0.00	-2.49	0.00	-1.43	-2.83	-2.12
EX6S85_S84	10YR-1HR	0.00	-2.66	-0.01	-1.40	-2.99	-2.19
EX6S86_S85	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S87A_S85	10YR-1HR	2.43	-5.11	0.92	2.30	2.24	2.16
EX6S87B_S87A	10YR-1HR	0.54	0.00	0.00	1.84	6.48	4.16
EX6S87_6GW2A	10YR-1HR	3.10	0.00	0.00	0.00	0.00	0.00
EX6S87_S87A	10YR-1HR	2.97	-5.37	-0.58	2.43	3.53	2.96
PND6E1_S46	10YR-1HR	0.59	-4.94	-0.04	-1.90	-4.33	-3.12
PND6E1_S48	10YR-1HR	4.73	0.00	0.01	2.89	1.51	2.17
CH6_1+B_S79	10YR-24HR	1.72	0.00	-0.01	2.05	1.90	1.97

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CH6_1+SEC1	10YR-24HR	0.43	0.00	0.00	1.36	1.62	1.49
CH6_2+B_S50	10YR-24HR	0.49	-0.12	-0.49	0.45	-1.61	-0.96
CH6_2+SEC1	10YR-24HR	0.38	0.00	-0.01	0.30	1.30	0.80
CH6_3+SEC1	10YR-24HR	2.59	0.00	0.02	1.58	2.24	1.91
CH6_4+A_WEIR	10YR-24HR	0.00	-0.64	0.00	0.00	0.00	0.00
CH6_4+SEC1	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
CH6_5+SEC1	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
CS6S65_WEIR2	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
CS6S65_WER1	10YR-24HR	0.33	-0.26	-0.33	0.03	0.03	0.03
EX6S01_S33	10YR-24HR	0.21	0.00	0.01	1.47	0.00	0.74
EX6S03_CH6_1+A	10YR-24HR	0.43	0.00	0.01	1.86	6.61	4.24
EX6S04_S43	10YR-24HR	0.29	0.00	0.00	1.60	1.11	1.35
EX6S07_P6W	10YR-24HR	0.51	0.00	0.19	5.89	0.00	2.94
EX6S08_S46	10YR-24HR	28.53	0.00	-0.47	20.43	20.94	20.69
EX6S09_S08	10YR-24HR	0.78	0.00	0.01	1.89	6.11	4.00
EX6S10_S09	10YR-24HR	0.68	0.00	0.01	1.78	1.66	1.72
EX6S11_S10	10YR-24HR	0.17	0.00	0.01	1.47	0.47	0.97
EX6S12_S11	10YR-24HR	0.12	0.00	0.00	1.49	0.85	1.16
EX6S14_P6W	10YR-24HR	0.59	0.00	-0.19	6.50	0.78	3.60
EX6S15_6GW3	10YR-24HR	1.18	0.00	0.01	0.00	0.00	0.00
EX6S15_S81	10YR-24HR	1.21	-5.73	-0.90	-2.66	-4.54	-3.60
EX6S17_S15	10YR-24HR	0.54	0.00	0.00	2.51	0.00	1.26
EX6S18_S19	10YR-24HR	0.21	0.00	0.00	1.97	0.45	1.18
EX6S19_6GW4	10YR-24HR	2.02	-0.01	0.00	0.00	0.00	0.00
EX6S19_S64	10YR-24HR	0.00	-0.34	0.00	-0.82	-2.09	-1.46
EX6S20_S17	10YR-24HR	0.42	0.00	-0.01	1.52	2.64	2.08
EX6S21_6GW3	10YR-24HR	1.22	0.00	0.00	0.00	0.00	0.00
EX6S21_S15	10YR-24HR	1.18	-0.07	0.33	0.72	0.93	0.79
EX6S22_S23	10YR-24HR	0.17	0.00	0.00	1.85	0.00	0.93
EX6S23A_S23	10YR-24HR	2.96	0.00	0.02	2.43	4.61	3.52
EX6S23B_S23A	10YR-24HR	0.18	0.00	0.00	1.88	0.00	0.94
EX6S23_6GW4	10YR-24HR	2.03	-0.01	0.00	0.00	0.00	0.00
EX6S23_S19	10YR-24HR	1.15	-0.01	0.19	0.65	1.00	0.82
EX6S24_CH6_3+A	10YR-24HR	9.93	0.00	-0.02	7.11	7.38	7.22
EX6S25_S24	10YR-24HR	0.46	0.00	0.01	1.60	3.87	2.74
EX6S26_S27	10YR-24HR	0.47	0.00	0.00	2.43	0.00	1.22

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S27_6S23A	10YR-24HR	2.74	0.00	0.00	2.37	3.41	2.89
EX6S28_S25	10YR-24HR	0.35	0.00	0.01	1.47	2.82	2.14
EX6S29_S61	10YR-24HR	0.53	0.00	0.02	1.61	1.61	1.55
EX6S30_S29	10YR-24HR	0.42	0.00	0.00	2.35	0.00	1.18
EX6S31_S32	10YR-24HR	0.51	0.00	0.00	2.48	0.00	1.24
EX6S32_S71	10YR-24HR	0.63	0.00	0.01	1.79	1.10	1.40
EX6S33_S34	10YR-24HR	0.21	0.00	0.01	1.47	0.00	0.74
EX6S34_6GW0	10YR-24HR	0.71	-0.01	-0.01	0.00	0.00	0.00
EX6S34_S35	10YR-24HR	0.09	-0.01	0.02	0.17	0.18	0.18
EX6S35_6GW0	10YR-24HR	0.71	-0.01	-0.01	0.00	0.00	0.00
EX6S35_6GW1	10YR-24HR	0.71	-0.01	-0.01	0.00	0.00	0.00
EX6S35_S37	10YR-24HR	0.00	-0.29	-0.03	-0.29	-0.30	-0.30
EX6S36_S35	10YR-24HR	0.22	0.00	-0.10	3.62	0.00	1.81
EX6S37-CH6_1+B	10YR-24HR	0.00	-0.77	0.00	-0.91	-2.58	-1.75
EX6S37_6GW1	10YR-24HR	0.72	-0.01	-0.01	0.00	0.00	0.00
EX6S39_S37	10YR-24HR	0.06	0.00	0.00	0.00	0.00	0.00
EX6S40_S42	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S41_S42	10YR-24HR	0.18	0.00	0.00	1.22	1.85	1.53
EX6S42A_6GW1	10YR-24HR	0.20	-0.07	-0.07	0.00	0.00	0.00
EX6S42A_S42	10YR-24HR	0.00	-0.22	-0.04	-0.23	-0.30	-0.26
EX6S42_6GW1	10YR-24HR	0.20	-0.07	-0.07	0.00	0.00	0.00
EX6S43_S44	10YR-24HR	0.38	0.00	0.02	1.49	2.51	2.00
EX6S44_S45	10YR-24HR	0.84	0.00	0.00	1.73	1.77	1.75
EX6S45_S46	10YR-24HR	0.84	0.00	0.02	1.77	4.15	2.96
EX6S46_6GW2	10YR-24HR	4.46	0.00	0.05	0.00	0.00	0.00
EX6S46_S48	10YR-24HR	12.02	-0.05	0.38	3.82	5.84	4.83
EX6S48_6GW2	10YR-24HR	2.41	0.00	0.01	0.00	0.00	0.00
EX6S48_6GW2A	10YR-24HR	1.75	0.00	0.00	0.00	0.00	0.00
EX6S48_S87	10YR-24HR	4.99	-1.12	-0.47	2.39	4.35	3.37
EX6S50_S15	10YR-24HR	0.67	-0.66	0.56	-0.68	-2.47	-1.57
EX6S51A_6GW3	10YR-24HR	0.25	0.00	0.00	0.00	0.00	0.00
EX6S51A_EX6S51	10YR-24HR	0.00	-0.50	0.47	-0.34	-0.47	-0.40
EX6S51_6GW3	10YR-24HR	0.26	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S53_CH6_2+A	10YR-24HR	0.38	0.00	0.01	1.50	1.92	1.71
EX6S55_S56	10YR-24HR	0.31	0.00	-0.01	1.50	1.07	1.11
EX6S56_S21	10YR-24HR	2.25	0.00	0.00	2.38	9.10	5.74
EX6S57_S56	10YR-24HR	1.23	0.00	0.01	1.99	1.30	1.65
EX6S58_S57	10YR-24HR	0.09	0.00	0.01	1.48	0.00	0.74
EX6S59_S60	10YR-24HR	0.61	-0.01	0.53	1.47	1.80	1.43
EX6S60_S57	10YR-24HR	1.04	0.00	0.01	1.94	6.24	4.09
EX6S61_S60	10YR-24HR	0.70	0.00	-0.02	1.66	1.83	1.57
EX6S62A_S65A	10YR-24HR	0.71	-0.34	-0.66	0.40	0.40	0.40
EX6S62_S62A	10YR-24HR	0.03	0.00	0.00	0.00	0.02	0.01
EX6S63_S64	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S64_S65A	10YR-24HR	0.00	-0.35	-0.02	-0.82	-1.52	-1.09
EX6S65C_0601	10YR-24HR	0.01	0.00	-0.01	0.00	0.00	0.00
EX6S68_S23	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S68_WEIR	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S69_S27	10YR-24HR	2.19	0.00	0.00	2.36	1.90	2.13
EX6S69_WEIR	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S70_S69	10YR-24HR	1.98	0.00	0.01	2.24	7.02	4.63
EX6S70_WEIR	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S71_S70	10YR-24HR	1.57	0.00	0.01	2.08	3.46	2.47
EX6S72_S12	10YR-24HR	0.12	0.00	-0.01	1.47	0.00	0.74
EX6S74_4+A	10YR-24HR	0.29	0.00	0.00	2.13	0.21	1.17
EX6S75A_S70	10YR-24HR	0.27	0.00	0.01	1.51	0.37	0.94
EX6S75B_S75A	10YR-24HR	0.08	0.00	-0.01	1.48	0.61	1.03
EX6S75_S75A	10YR-24HR	0.13	0.00	-0.01	1.47	0.98	1.22
EX6S76_S71	10YR-24HR	0.94	-0.01	0.02	1.52	1.24	1.38
EX6S77A_S77	10YR-24HR	0.58	0.00	0.01	1.73	1.40	1.57
EX6S77_S76	10YR-24HR	0.75	0.00	0.01	1.81	4.72	3.26
EX6S78A_S78	10YR-24HR	0.28	0.00	-0.01	1.48	1.07	1.27
EX6S78_S77A	10YR-24HR	0.43	0.00	0.01	1.64	1.28	1.46
EX6S79_S83	10YR-24HR	1.78	0.00	0.00	1.97	1.99	1.98
EX6S81_6GW3	10YR-24HR	1.29	0.00	-0.01	0.00	0.00	0.00
EX6S81_S82	10YR-24HR	4.50	-0.01	-0.46	2.29	4.22	3.26
EX6S82_6GW3	10YR-24HR	0.62	0.00	0.00	0.00	0.00	0.00
EX6S82_S84	10YR-24HR	0.20	-0.04	0.02	1.20	-0.76	0.75
EX6S83_S85	10YR-24HR	1.98	-0.05	-0.08	2.19	0.72	1.46
EX6S84_S63	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S85_S84	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S86_S85	10YR-24HR	0.05	0.00	0.00	0.00	0.00	0.00
EX6S87A_S85	10YR-24HR	2.43	-2.04	-1.15	2.30	2.24	2.16
EX6S87B_S87A	10YR-24HR	0.13	0.00	0.00	1.52	0.00	0.76
EX6S87_6GW2A	10YR-24HR	1.14	0.00	0.00	0.00	0.00	0.00
EX6S87_S87A	10YR-24HR	2.97	-2.16	-0.70	2.43	3.53	2.96
PND6E1_S46	10YR-24HR	0.43	-4.94	-0.04	-1.90	-4.33	-3.12
PND6E1_S48	10YR-24HR	1.19	0.00	0.01	2.18	0.57	1.37
CH6_1+B_S79	10YR-8HR	3.32	-0.53	0.12	1.93	1.78	1.85
CH6_1+SEC1	10YR-8HR	1.38	0.00	0.00	1.94	2.51	2.23
CH6_2+B_S50	10YR-8HR	1.18	-0.12	-1.14	0.51	-1.61	-0.96
CH6_2+SEC1	10YR-8HR	1.23	0.00	0.01	0.50	1.86	1.18
CH6_3+SEC1	10YR-8HR	2.59	0.00	0.02	1.58	2.24	1.91
CH6_4+A_WEIR	10YR-8HR	0.00	-1.97	0.00	0.00	0.00	0.00
CH6_4+SEC1	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
CH6_5+SEC1	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
CS6S65_WEIR2	10YR-8HR	5.67	0.00	-0.03	2.13	2.13	2.13
CS6S65_WER1	10YR-8HR	5.68	-0.13	-3.16	0.47	0.47	0.47
EX6S01_S33	10YR-8HR	0.66	0.00	0.01	1.84	6.03	3.93
EX6S03_CH6_1+A	10YR-8HR	1.38	0.00	0.01	2.29	9.40	5.85
EX6S04_S43	10YR-8HR	0.92	0.00	0.00	2.01	7.13	4.57
EX6S07_P6W	10YR-8HR	1.38	0.00	-0.17	5.87	15.05	9.15
EX6S08_S46	10YR-8HR	28.53	0.00	-0.47	20.43	20.94	20.69
EX6S09_S08	10YR-8HR	2.47	0.00	0.01	2.52	8.61	5.56
EX6S10_S09	10YR-8HR	2.15	0.00	0.01	2.39	3.92	2.71
EX6S11_S10	10YR-8HR	0.95	-0.08	-0.86	2.07	-1.48	1.68
EX6S12_S11	10YR-8HR	0.37	0.00	0.00	1.72	0.92	1.21
EX6S14_P6W	10YR-8HR	1.46	0.00	0.29	6.50	15.57	9.49
EX6S15_6GW3	10YR-8HR	3.53	0.00	0.01	0.00	0.00	0.00
EX6S15_S81	10YR-8HR	3.79	-5.73	-0.96	-2.66	-4.54	-3.60
EX6S17_S15	10YR-8HR	3.17	0.00	0.79	28.98	29.56	26.17
EX6S18_S19	10YR-8HR	0.69	0.00	0.00	2.69	0.52	1.59
EX6S19_6GW4	10YR-8HR	3.14	-0.01	0.00	0.00	0.00	0.00
EX6S19_S64	10YR-8HR	5.40	-0.51	-0.07	2.83	2.82	2.82
EX6S20_S17	10YR-8HR	1.35	0.00	0.01	2.07	3.72	2.90
EX6S21_6GW3	10YR-8HR	3.61	0.00	0.00	0.00	0.00	0.00
EX6S21_S15	10YR-8HR	3.91	-0.07	0.30	1.24	1.26	1.24

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S22_S23	10YR-8HR	0.55	0.00	0.00	2.53	0.00	1.26
EX6S23A_S23	10YR-8HR	9.40	0.00	0.02	3.44	6.31	4.86
EX6S23B_S23A	10YR-8HR	0.57	0.00	0.00	2.56	0.00	1.28
EX6S23_6GW4	10YR-8HR	3.33	-0.01	0.00	0.00	0.00	0.00
EX6S23_S19	10YR-8HR	6.80	-0.03	-0.14	2.17	2.17	2.17
EX6S24_CH6_3+A	10YR-8HR	9.93	0.00	-0.02	7.11	7.38	7.22
EX6S25_S24	10YR-8HR	1.49	0.00	0.01	2.16	5.48	3.82
EX6S26_S27	10YR-8HR	2.92	0.00	-0.93	26.40	28.20	24.31
EX6S27_6S23A	10YR-8HR	8.69	0.00	0.00	3.34	4.92	4.13
EX6S28_S25	10YR-8HR	1.12	0.00	0.01	1.98	3.99	2.98
EX6S29_S61	10YR-8HR	1.65	0.00	0.02	2.18	2.24	2.12
EX6S30_S29	10YR-8HR	1.67	0.00	0.83	15.12	20.90	14.37
EX6S31_S32	10YR-8HR	2.79	0.00	1.39	25.12	27.48	23.37
EX6S32_S71	10YR-8HR	2.11	0.00	0.01	2.40	4.57	3.08
EX6S33_S34	10YR-8HR	0.66	0.00	0.01	1.83	5.87	3.85
EX6S34_6GW0	10YR-8HR	2.65	-0.02	-0.01	0.00	0.00	0.00
EX6S34_S35	10YR-8HR	0.33	-0.61	0.04	0.37	0.39	0.38
EX6S35_6GW0	10YR-8HR	2.66	-0.02	-0.01	0.00	0.00	0.00
EX6S35_6GW1	10YR-8HR	2.66	-0.02	-0.01	0.00	0.00	0.00
EX6S35_S37	10YR-8HR	0.00	-2.93	0.03	-1.10	-1.15	-1.12
EX6S36_S35	10YR-8HR	0.63	0.00	-0.11	3.60	10.21	6.43
EX6S37-CH6_1+B	10YR-8HR	0.00	-4.99	0.00	-1.98	-4.35	-3.16
EX6S37_6GW1	10YR-8HR	2.79	-0.02	-0.01	0.00	0.00	0.00
EX6S39_S37	10YR-8HR	0.20	0.00	-0.01	1.33	1.95	1.61
EX6S40_S42	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S41_S42	10YR-8HR	0.57	0.00	0.00	1.69	2.51	2.10
EX6S42A_6GW1	10YR-8HR	0.60	-0.11	-0.11	0.00	0.00	0.00
EX6S42A_S42	10YR-8HR	0.00	-0.62	-0.05	-0.39	-0.54	-0.46
EX6S42_6GW1	10YR-8HR	0.60	-0.11	-0.11	0.00	0.00	0.00
EX6S43_S44	10YR-8HR	1.23	0.00	0.02	2.02	3.55	2.78
EX6S44_S45	10YR-8HR	2.70	0.00	0.00	2.36	2.39	2.37
EX6S45_S46	10YR-8HR	2.70	0.00	0.02	2.39	5.87	4.13
EX6S46_6GW2	10YR-8HR	4.46	0.00	0.05	0.00	0.00	0.00
EX6S46_S48	10YR-8HR	12.02	-0.13	-0.35	3.82	5.84	4.83
EX6S48_6GW	10YR-8HR	3.38	0.00	-0.01	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
2							
EX6S48_6GW2A	10YR-8HR	2.24	0.00	0.00	0.00	0.00	0.00
EX6S48_S87	10YR-8HR	4.99	-2.30	-0.83	2.39	4.35	3.37
EX6S50_S15	10YR-8HR	1.49	-0.66	1.27	-0.68	-2.47	-1.57
EX6S51A_6GW3	10YR-8HR	0.84	0.00	0.00	0.00	0.00	0.00
EX6S51A_EX6S51	10YR-8HR	0.00	-1.56	-1.32	-0.50	-0.58	-0.51
EX6S51_6GW3	10YR-8HR	0.84	0.00	0.00	0.00	0.00	0.00
EX6S53_CH6_2+A	10YR-8HR	1.23	0.00	0.01	1.94	2.87	2.41
EX6S55_S56	10YR-8HR	1.00	0.00	0.01	1.97	3.66	2.53
EX6S56_S21	10YR-8HR	7.09	0.00	0.00	3.19	12.79	7.99
EX6S57_S56	10YR-8HR	3.86	0.00	0.01	2.66	1.74	2.20
EX6S58_S57	10YR-8HR	0.29	0.00	0.01	1.47	2.57	1.98
EX6S59_S60	10YR-8HR	1.12	-0.03	-0.64	1.46	2.43	1.89
EX6S60_S57	10YR-8HR	3.28	0.00	0.01	2.56	8.78	5.67
EX6S61_S60	10YR-8HR	2.17	0.00	0.02	2.24	2.50	1.97
EX6S62A_S65A	10YR-8HR	1.09	0.00	0.75	0.75	0.61	0.61
EX6S62_S62A	10YR-8HR	0.11	-0.33	-0.03	0.82	-2.17	-1.18
EX6S63_S64	10YR-8HR	0.02	-1.00	0.01	-0.49	-2.11	-1.18
EX6S64_S65A	10YR-8HR	4.60	-0.54	0.22	2.03	2.50	2.26
EX6S65C_0601	10YR-8HR	5.67	0.00	-0.09	1.74	1.70	1.72
EX6S68_S23	10YR-8HR	0.11	-0.50	0.01	-0.71	-2.30	-1.50
EX6S68_WEIR	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S69_S27	10YR-8HR	6.95	-0.02	-0.01	2.90	2.73	2.81
EX6S69_WEIR	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S70_S69	10YR-8HR	6.32	0.00	0.01	3.05	8.95	5.86
EX6S70_WEIR	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S71_S70	10YR-8HR	5.01	0.00	0.01	2.83	4.70	3.29
EX6S72_S12	10YR-8HR	0.37	0.00	0.01	1.51	3.36	2.42
EX6S74_4+A	10YR-8HR	0.92	0.00	0.02	2.92	0.66	1.79
EX6S75A_S70	10YR-8HR	0.86	0.00	0.01	1.94	0.55	1.24
EX6S75B_S75A	10YR-8HR	0.26	0.00	0.01	1.48	0.61	1.04
EX6S75_S75A	10YR-8HR	0.43	0.00	-0.01	1.55	2.25	1.70
EX6S76_S71	10YR-8HR	3.01	-0.08	0.02	1.85	1.70	1.77
EX6S77A_S77	10YR-8HR	1.86	0.00	0.01	2.31	4.42	3.00
EX6S77_S76	10YR-8HR	2.41	0.00	0.01	2.46	6.65	4.55
EX6S78A_S78	10YR-8HR	0.89	0.00	0.01	1.90	3.33	2.34

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S78_S77A	10YR-8HR	1.38	0.00	0.01	2.16	4.42	2.98
EX6S79_S83	10YR-8HR	3.47	-0.44	-0.28	1.83	1.61	1.72
EX6S81_6GW3	10YR-8HR	1.97	0.00	-0.01	0.00	0.00	0.00
EX6S81_S82	10YR-8HR	4.50	-0.01	0.52	2.29	4.22	3.26
EX6S82_6GW3	10YR-8HR	1.96	0.00	0.00	0.00	0.00	0.00
EX6S82_S84	10YR-8HR	0.37	-0.98	0.26	1.20	-0.75	0.75
EX6S83_S85	10YR-8HR	3.84	-0.05	-0.92	1.90	1.22	1.35
EX6S84_S63	10YR-8HR	0.00	-0.99	0.00	-1.02	-2.29	-1.65
EX6S85_S84	10YR-8HR	0.15	-1.13	0.00	-0.98	-2.38	-1.68
EX6S86_S85	10YR-8HR	0.13	-0.07	0.01	1.13	1.50	1.26
EX6S87A_S85	10YR-8HR	2.43	-3.95	1.50	2.30	2.24	2.16
EX6S87B_S87A	10YR-8HR	0.40	0.00	0.00	1.75	5.92	3.83
EX6S87_6GW2A	10YR-8HR	2.24	0.00	0.00	0.00	0.00	0.00
EX6S87_S87A	10YR-8HR	2.97	-4.19	-1.16	2.43	3.53	2.96
PND6E1_S46	10YR-8HR	1.65	-4.94	-1.65	-1.90	-4.33	-3.12
PND6E1_S48	10YR-8HR	8.66	0.00	7.74	4.50	2.76	3.63
CH6_1+B_S79	25YR-72HR	5.97	-8.27	0.28	-2.79	-3.62	-3.20
CH6_1+SEC1	25YR-72HR	2.96	0.00	0.01	2.43	3.31	2.87
CH6_2+B_S50	25YR-72HR	3.70	-0.12	0.91	1.18	-1.61	1.18
CH6_2+SEC1	25YR-72HR	2.56	0.00	0.01	0.66	2.24	1.45
CH6_3+SEC1	25YR-72HR	4.01	0.00	-0.04	1.87	2.53	2.19
CH6_4+A_WEIR	25YR-72HR	0.00	-5.02	0.00	0.00	0.00	0.00
CH6_4+SEC1	25YR-72HR	0.00	0.00	0.00	0.00	0.00	0.00
CH6_5+SEC1	25YR-72HR	0.00	-1.44	0.00	-0.01	-1.90	-0.95
CS6S65_WEIR2	25YR-72HR	23.59	0.00	0.02	3.43	3.43	3.43
CS6S65_WER1	25YR-72HR	23.60	-0.24	-2.89	1.97	1.97	1.97
EX6S01_S33	25YR-72HR	1.42	0.00	-0.01	2.20	7.58	4.89
EX6S03_CH6_1+A	25YR-72HR	2.97	0.00	0.01	2.73	11.81	7.27
EX6S04_S43	25YR-72HR	1.98	0.00	0.00	2.41	8.97	5.69
EX6S07_P6W	25YR-72HR	2.97	0.00	-0.17	5.88	18.94	11.12
EX6S08_S46	25YR-72HR	28.53	0.00	0.36	20.43	20.94	20.69
EX6S09_S08	25YR-72HR	5.58	0.00	-0.01	3.29	10.87	7.08
EX6S10_S09	25YR-72HR	4.90	0.00	-0.01	3.09	2.89	2.99
EX6S11_S10	25YR-72HR	1.39	0.00	-0.66	2.08	1.28	1.68
EX6S12_S11	25YR-72HR	0.80	0.00	0.00	1.99	0.83	1.29
EX6S14_P6W	25YR-72HR	3.15	0.00	-0.19	6.50	19.85	11.62
EX6S15_6GW	25YR-72HR	5.75	0.00	0.01	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
3							
EX6S15_S81	25YR-72HR	13.78	-5.73	1.26	4.39	-4.54	4.39
EX6S17_S15	25YR-72HR	3.71	0.00	0.79	28.99	30.95	26.17
EX6S18_S19	25YR-72HR	1.48	0.00	0.00	3.35	0.75	1.89
EX6S19_6GW4	25YR-72HR	4.61	0.00	0.00	0.00	0.00	0.00
EX6S19_S64	25YR-72HR	17.24	-0.43	-0.14	5.49	5.49	5.49
EX6S20_S17	25YR-72HR	2.91	0.00	-0.01	2.57	4.62	3.59
EX6S21_6GW3	25YR-72HR	6.04	0.00	0.00	0.00	0.00	0.00
EX6S21_S15	25YR-72HR	11.96	-0.07	0.28	3.81	3.81	3.81
EX6S22_S23	25YR-72HR	1.17	0.00	0.00	3.13	21.34	12.24
EX6S23A_S23	25YR-72HR	21.30	0.00	0.02	6.78	7.34	6.98
EX6S23B_S23A	25YR-72HR	1.24	0.00	0.00	3.17	21.29	12.23
EX6S23_6GW4	25YR-72HR	5.20	0.00	0.00	0.00	0.00	0.00
EX6S23_S19	25YR-72HR	17.63	0.00	0.11	5.61	5.61	5.61
EX6S24_CH6_3+A	25YR-72HR	9.93	0.00	-0.02	7.11	7.38	7.22
EX6S25_S24	25YR-72HR	3.21	0.00	0.01	2.66	6.83	4.75
EX6S26_S27	25YR-72HR	3.28	0.00	0.73	26.41	29.18	24.31
EX6S27_6S23A	25YR-72HR	19.66	0.00	0.04	6.26	7.31	6.78
EX6S28_S25	25YR-72HR	2.41	0.00	-0.01	2.44	4.98	3.71
EX6S29_S61	25YR-72HR	4.02	0.00	-0.02	2.84	2.70	2.77
EX6S30_S29	25YR-72HR	2.91	0.00	-0.51	15.11	24.67	14.59
EX6S31_S32	25YR-72HR	3.52	0.00	0.70	25.11	29.48	23.36
EX6S32_S71	25YR-72HR	4.69	0.00	0.01	3.05	2.66	2.85
EX6S33_S34	25YR-72HR	1.42	0.00	-0.01	2.19	7.38	4.79
EX6S34_6GW0	25YR-72HR	6.34	-0.01	-0.01	0.00	0.00	0.00
EX6S34_S35	25YR-72HR	0.80	-2.36	-0.07	-0.75	-0.75	-0.75
EX6S35_6GW0	25YR-72HR	6.34	-0.01	0.00	0.00	0.00	0.00
EX6S35_6GW1	25YR-72HR	6.34	-0.01	0.00	0.00	0.00	0.00
EX6S35_S37	25YR-72HR	0.75	-8.32	0.09	-2.65	-2.65	-2.65
EX6S36_S35	25YR-72HR	1.36	0.00	-0.09	3.61	12.23	7.46
EX6S37-CH6_1+B	25YR-72HR	0.00	-13.41	-0.01	-4.27	-5.32	-4.31
EX6S37_6GW1	25YR-72HR	6.41	-0.01	0.00	0.00	0.00	0.00
EX6S39_S37	25YR-72HR	0.43	0.00	-0.01	1.53	2.40	1.95
EX6S40_S42	25YR-72HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S41_S42	25YR-72HR	1.24	0.00	0.00	2.11	3.09	2.60
EX6S42A_6G	25YR-72HR	1.62	-0.04	-0.04	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W1							
EX6S42A_S42	25YR-72HR	0.00	-1.64	-0.06	-0.52	-0.52	-0.52
EX6S42_6GW1	25YR-72HR	1.63	-0.04	-0.04	0.00	0.00	0.00
EX6S43_S44	25YR-72HR	2.66	0.00	0.02	2.50	4.13	3.24
EX6S44_S45	25YR-72HR	5.80	0.00	0.00	2.93	2.95	2.94
EX6S45_S46	25YR-72HR	5.80	0.00	-0.02	2.95	7.32	5.13
EX6S46_6GW2	25YR-72HR	5.17	0.00	0.05	0.00	0.00	0.00
EX6S46_S48	25YR-72HR	12.02	-0.07	-0.54	3.82	5.84	4.83
EX6S48_6GW2	25YR-72HR	5.09	0.00	0.01	0.00	0.00	0.00
EX6S48_6GW2A	25YR-72HR	3.64	0.00	0.00	0.00	0.00	0.00
EX6S48_S87	25YR-72HR	4.99	-3.85	0.40	2.39	4.35	3.37
EX6S50_S15	25YR-72HR	4.77	-0.66	-0.98	1.52	-2.47	-1.57
EX6S51A_6GW3	25YR-72HR	1.42	0.00	0.00	0.00	0.00	0.00
EX6S51A_EX6S51	25YR-72HR	0.00	-1.53	1.02	-0.49	-0.49	-0.49
EX6S51_6GW3	25YR-72HR	1.42	0.00	0.00	0.00	0.00	0.00
EX6S53_CH6_2+A	25YR-72HR	3.01	0.00	-0.53	2.60	3.74	2.96
EX6S55_S56	25YR-72HR	2.16	0.00	-0.01	2.40	1.22	1.81
EX6S56_S21	25YR-72HR	16.50	0.00	-0.01	5.25	15.81	10.28
EX6S57_S56	25YR-72HR	9.07	0.00	-0.01	3.42	2.89	3.16
EX6S58_S57	25YR-72HR	0.62	0.00	0.01	1.69	3.23	2.46
EX6S59_S60	25YR-72HR	2.40	-0.05	0.43	1.36	1.36	1.36
EX6S60_S57	25YR-72HR	7.75	0.00	-0.01	3.25	11.27	7.26
EX6S61_S60	25YR-72HR	5.35	0.00	-0.02	2.78	2.24	2.51
EX6S62A_S65A	25YR-72HR	2.31	-0.35	-0.74	1.31	1.31	1.31
EX6S62_S62A	25YR-72HR	0.27	-0.05	0.05	0.91	-0.58	0.47
EX6S63_S64	25YR-72HR	10.16	-1.19	2.42	2.86	-2.74	2.47
EX6S64_S65A	25YR-72HR	21.49	-0.38	0.22	4.40	5.48	4.94
EX6S65C_0601	25YR-72HR	23.59	0.00	0.10	4.81	5.37	5.09
EX6S68_S23	25YR-72HR	0.29	-2.16	0.04	-1.48	-3.40	-2.43
EX6S68_WEIR	25YR-72HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S69_S27	25YR-72HR	15.75	0.00	0.01	5.01	5.01	5.01
EX6S69_WEIR	25YR-72HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S70_S69	25YR-72HR	14.08	0.00	-0.01	4.48	11.77	7.81
EX6S70_WEIR	25YR-72HR	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S71_S70	25YR-72HR	11.16	0.00	-0.01	3.72	3.55	3.64
EX6S72_S12	25YR-72HR	0.80	0.00	0.01	1.83	3.90	2.79
EX6S74_4+A	25YR-72HR	1.98	0.00	0.02	3.65	23.87	13.76
EX6S75A_S70	25YR-72HR	1.85	0.00	-0.01	2.34	1.05	1.69
EX6S75B_S75A	25YR-72HR	0.56	0.00	-0.01	1.67	0.70	1.19
EX6S75_S75A	25YR-72HR	0.93	0.00	0.01	1.89	1.17	1.53
EX6S76_S71	25YR-72HR	6.47	0.00	0.02	2.20	2.16	2.18
EX6S77A_S77	25YR-72HR	4.01	0.00	-0.01	2.87	2.45	2.66
EX6S77_S76	25YR-72HR	5.18	0.00	-0.01	3.16	8.24	5.70
EX6S78A_S78	25YR-72HR	1.92	0.00	0.01	2.32	1.71	2.01
EX6S78_S77A	25YR-72HR	2.96	0.00	0.01	2.63	2.13	2.38
EX6S79_S83	25YR-72HR	6.14	-7.95	0.38	-2.53	-2.72	-2.53
EX6S81_6GW3	25YR-72HR	3.22	0.00	-0.01	0.00	0.00	0.00
EX6S81_S82	25YR-72HR	11.02	-1.06	0.70	3.51	4.22	3.51
EX6S82_6GW3	25YR-72HR	3.04	0.00	0.00	0.00	0.00	0.00
EX6S82_S84	25YR-72HR	8.66	-2.50	0.59	2.76	2.76	2.76
EX6S83_S85	25YR-72HR	6.47	-6.79	-0.92	-2.16	-2.16	-2.16
EX6S84_S63	25YR-72HR	10.11	-1.18	2.33	1.76	-2.26	1.74
EX6S85_S84	25YR-72HR	7.47	-8.34	-2.11	-2.16	-3.85	-2.94
EX6S86_S85	25YR-72HR	0.89	0.00	-0.80	1.45	2.21	1.81
EX6S87A_S85	25YR-72HR	2.43	-5.69	-1.46	2.30	2.24	2.16
EX6S87B_S87A	25YR-72HR	0.95	0.00	0.00	2.07	7.64	4.85
EX6S87_6GW2A	25YR-72HR	3.59	0.00	0.00	0.00	0.00	0.00
EX6S87_S87A	25YR-72HR	2.97	-5.92	-1.07	2.43	3.53	2.96
PND6E1_S46	25YR-72HR	2.16	-4.94	-2.09	2.00	-4.33	-3.12
PND6E1_S48	25YR-72HR	7.65	0.00	-4.14	3.21	2.44	2.70

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
6GW0	100YR-1HR	22858	0	22858
6GW0	100YR-24HR	81120	6	81114
6GW0	100YR-8HR	64874	11	64863
6GW0	10YR-1HR	8944	0	8944
6GW0	10YR-24HR	42915	9	42906
6GW0	10YR-8HR	34629	14	34614
6GW0	25YR-72HR	95362	7	95355

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
6GW1	100YR-1HR	34965	0	34965
6GW1	100YR-24HR	104054	10	104044
6GW1	100YR-8HR	81286	16	81270
6GW1	10YR-1HR	16085	0	16085
6GW1	10YR-24HR	56194	15	56179
6GW1	10YR-8HR	44406	22	44384
6GW1	25YR-72HR	119849	11	119838

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
6GW2	100YR-1HR	43681	0	43681
6GW2	100YR-24HR	162627	0	162627
6GW2	100YR-8HR	93295	0	93295
6GW2	10YR-1HR	27352	0	27352
6GW2	10YR-24HR	102637	0	102637
6GW2	10YR-8HR	66548	0	66548
6GW2	25YR-72HR	158211	0	158211

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
6GW2A	100YR-1HR	34334	0	34334
6GW2A	100YR-24HR	115190	1	115189
6GW2A	100YR-8HR	65236	2	65234
6GW2A	10YR-1HR	23236	0	23236
6GW2A	10YR-24HR	71828	5	71823
6GW2A	10YR-8HR	46820	5	46815

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
6GW2A	25YR-72HR	110778	4	110774

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
6GW3	100YR-1HR	61536	0	61536
6GW3	100YR-24HR	226457	3	226453
6GW3	100YR-8HR	148306	6	148301
6GW3	10YR-1HR	44080	0	44080
6GW3	10YR-24HR	138216	6	138210
6GW3	10YR-8HR	100890	8	100882
6GW3	25YR-72HR	225157	4	225152

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
6GW4	100YR-1HR	34446	0	34446
6GW4	100YR-24HR	211599	1	211598
6GW4	100YR-8HR	101255	2	101254
6GW4	10YR-1HR	28228	0	28228
6GW4	10YR-24HR	134033	2	134031
6GW4	10YR-8HR	75845	2	75843
6GW4	25YR-72HR	181515	1	181514

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH6_1+A	100YR-1HR	8237	8237	0
CH6_1+A	100YR-24HR	22744	22744	0
CH6_1+A	100YR-8HR	16063	16063	0
CH6_1+A	10YR-1HR	5546	5545	0
CH6_1+A	10YR-24HR	14811	14810	0
CH6_1+A	10YR-8HR	11193	11193	0
CH6_1+A	25YR-72HR	23719	23703	15

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH6_2+A	100YR-1HR	7356	7328	28
CH6_2+A	100YR-24HR	20351	20347	4
CH6_2+A	100YR-8HR	14366	14366	0
CH6_2+A	10YR-1HR	4944	4944	1
CH6_2+A	10YR-24HR	13244	13240	4
CH6_2+A	10YR-8HR	10003	10003	0
CH6_2+A	25YR-72HR	21225	21199	26

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH6_3+A	100YR-1HR	11167	11168	-2
CH6_3+A	100YR-24HR	30811	30813	-2
CH6_3+A	100YR-8HR	21764	21766	-2
CH6_3+A	10YR-1HR	7522	7523	-2
CH6_3+A	10YR-24HR	20068	20070	-2
CH6_3+A	10YR-8HR	15169	15171	-2
CH6_3+A	25YR-72HR	32131	32132	-2

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH6_4+A	100YR-1HR	9851	9719	132
CH6_4+A	100YR-24HR	34226	34094	132
CH6_4+A	100YR-8HR	22650	22518	132
CH6_4+A	10YR-1HR	5905	5772	132
CH6_4+A	10YR-24HR	20526	20393	132
CH6_4+A	10YR-8HR	14526	14394	132
CH6_4+A	25YR-72HR	35940	35807	132

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH6_4+B	100YR-1HR	0	0	0
CH6_4+B	100YR-24HR	0	0	0
CH6_4+B	100YR-8HR	0	0	0
CH6_4+B	10YR-1HR	0	0	0
CH6_4+B	10YR-24HR	0	0	0
CH6_4+B	10YR-8HR	0	0	0
CH6_4+B	25YR-72HR	0	0	0

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH6_5+A	100YR-1HR	0	0	0
CH6_5+A	100YR-24HR	3751	15	3737
CH6_5+A	100YR-8HR	0	0	0
CH6_5+A	10YR-1HR	0	0	0
CH6_5+A	10YR-24HR	0	0	0
CH6_5+A	10YR-8HR	0	0	0
CH6_5+A	25YR-72HR	4349	11	4338

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CH6_5+B	100YR-1HR	9719	0	9719
CH6_5+B	100YR-24HR	34109	3751	30357
CH6_5+B	100YR-8HR	22518	0	22518
CH6_5+B	10YR-1HR	5772	0	5772
CH6_5+B	10YR-24HR	20393	0	20393
CH6_5+B	10YR-8HR	14394	0	14394
CH6_5+B	25YR-72HR	35818	4349	31469

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S01	100YR-1HR	4055	3829	226
EX6S01	100YR-24HR	11006	10780	226
EX6S01	100YR-8HR	7805	7579	226
EX6S01	10YR-1HR	2766	2540	226
EX6S01	10YR-24HR	7205	6979	226
EX6S01	10YR-8HR	5472	5246	226
EX6S01	25YR-72HR	11473	11247	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S03	100YR-1HR	8464	8237	226
EX6S03	100YR-24HR	22970	22744	226
EX6S03	100YR-8HR	16289	16063	226
EX6S03	10YR-1HR	5772	5546	226
EX6S03	10YR-24HR	15037	14811	226
EX6S03	10YR-8HR	11419	11193	226

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S03	25YR-72HR	23944	23719	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S04	100YR-1HR	5642	5416	226
EX6S04	100YR-24HR	15313	15087	226
EX6S04	100YR-8HR	10859	10633	226
EX6S04	10YR-1HR	3848	3622	226
EX6S04	10YR-24HR	10024	9798	226
EX6S04	10YR-8HR	7613	7387	226
EX6S04	25YR-72HR	15963	15737	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S07	100YR-1HR	8464	8236	227
EX6S07	100YR-24HR	22970	22715	255
EX6S07	100YR-8HR	16289	16059	230
EX6S07	10YR-1HR	5772	5544	227
EX6S07	10YR-24HR	15037	14772	265
EX6S07	10YR-8HR	11419	11192	227
EX6S07	25YR-72HR	23944	23713	231

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S08	100YR-1HR	18043	20020	-1977
EX6S08	100YR-24HR	52894	54866	-1972
EX6S08	100YR-8HR	36706	38680	-1974
EX6S08	10YR-1HR	11792	13769	-1977
EX6S08	10YR-24HR	33691	35664	-1973
EX6S08	10YR-8HR	25041	27015	-1974
EX6S08	25YR-72HR	55269	57242	-1973

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S09	100YR-1HR	13861	13635	226
EX6S09	100YR-24HR	41156	40930	226
EX6S09	100YR-8HR	28448	28222	226
EX6S09	10YR-1HR	9012	8786	226
EX6S09	10YR-24HR	26085	25859	226
EX6S09	10YR-8HR	19320	19094	226
EX6S09	25YR-72HR	43024	42798	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S10	100YR-1HR	12463	12235	227
EX6S10	100YR-24HR	36138	35912	226
EX6S10	100YR-8HR	25187	24951	237
EX6S10	10YR-1HR	8219	7991	227
EX6S10	10YR-24HR	22870	22644	226
EX6S10	10YR-8HR	17128	16897	231
EX6S10	25YR-72HR	37766	37536	230

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S11	100YR-1HR	2637	2412	225
EX6S11	100YR-24HR	9087	8861	226
EX6S11	100YR-8HR	6059	5844	215
EX6S11	10YR-1HR	1590	1365	225
EX6S11	10YR-24HR	5240	5014	226
EX6S11	10YR-8HR	3789	3568	221
EX6S11	25YR-72HR	9554	9332	222

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S12	100YR-1HR	2079	1838	241
EX6S12	100YR-24HR	6006	5780	226
EX6S12	100YR-8HR	4197	3972	225
EX6S12	10YR-1HR	1349	1117	233
EX6S12	10YR-24HR	3858	3632	226
EX6S12	10YR-8HR	2878	2653	226
EX6S12	25YR-72HR	6271	6046	225

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S14	100YR-1HR	8993	8765	227
EX6S14	100YR-24HR	24406	24175	231
EX6S14	100YR-8HR	17307	17076	231
EX6S14	10YR-1HR	6132	5905	227
EX6S14	10YR-24HR	15976	15744	232
EX6S14	10YR-8HR	12133	11904	228
EX6S14	25YR-72HR	25441	25209	232

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S15	100YR-1HR	40331	40347	-16
EX6S15	100YR-24HR	122109	121823	285
EX6S15	100YR-8HR	83895	83876	20
EX6S15	10YR-1HR	22292	22309	-17
EX6S15	10YR-24HR	73731	73600	132
EX6S15	10YR-8HR	53241	53250	-9
EX6S15	25YR-72HR	128911	128830	80

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S17	100YR-1HR	10353	10345	8
EX6S17	100YR-24HR	28487	28487	0
EX6S17	100YR-8HR	20135	20114	22
EX6S17	10YR-1HR	6988	6982	6
EX6S17	10YR-24HR	18570	18570	0
EX6S17	10YR-8HR	14048	14016	32
EX6S17	25YR-72HR	29705	29679	26

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S18	100YR-1HR	4232	4232	0
EX6S18	100YR-24HR	11485	11485	0
EX6S18	100YR-8HR	8145	8145	0
EX6S18	10YR-1HR	2886	2886	0
EX6S18	10YR-24HR	7518	7518	0
EX6S18	10YR-8HR	5709	5709	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S18	25YR-72HR	11972	11972	0

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S19	100YR-1HR	46123	46123	1
EX6S19	100YR-24HR	106211	106207	4
EX6S19	100YR-8HR	86834	86832	3
EX6S19	10YR-1HR	26287	26287	0
EX6S19	10YR-24HR	66415	66413	2
EX6S19	10YR-8HR	54417	54415	3
EX6S19	25YR-72HR	123327	123285	42

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S20	100YR-1HR	8287	8061	226
EX6S20	100YR-24HR	22492	22266	226
EX6S20	100YR-8HR	15950	15724	226
EX6S20	10YR-1HR	5651	5425	226
EX6S20	10YR-24HR	14723	14497	226
EX6S20	10YR-8HR	11181	10955	226
EX6S20	25YR-72HR	23446	23220	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S21	100YR-1HR	39986	39954	32
EX6S21	100YR-24HR	128125	128008	118
EX6S21	100YR-8HR	86592	86459	133
EX6S21	10YR-1HR	25036	25001	35
EX6S21	10YR-24HR	78925	78814	111
EX6S21	10YR-8HR	57172	57050	122
EX6S21	25YR-72HR	134176	134007	169

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S22	100YR-1HR	3350	3328	22
EX6S22	100YR-24HR	9092	9092	0
EX6S22	100YR-8HR	6448	6448	0
EX6S22	10YR-1HR	2285	2285	0
EX6S22	10YR-24HR	5952	5952	0
EX6S22	10YR-8HR	4520	4520	0
EX6S22	25YR-72HR	9478	9478	0

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S23	100YR-1HR	55339	55356	-17
EX6S23	100YR-24HR	167685	167566	119
EX6S23	100YR-8HR	115322	115252	70
EX6S23	10YR-1HR	35229	35225	4
EX6S23	10YR-24HR	105471	105362	109
EX6S23	10YR-8HR	77549	77435	114
EX6S23	25YR-72HR	175788	175704	83

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S23A	100YR-1HR	51286	51083	203
EX6S23A	100YR-24HR	155860	155645	215
EX6S23A	100YR-8HR	107217	107001	216
EX6S23A	10YR-1HR	32772	32552	219
EX6S23A	10YR-24HR	98253	98038	215
EX6S23A	10YR-8HR	72264	72048	216
EX6S23A	25YR-72HR	163042	162818	225

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S23B	100YR-1HR	3526	3507	20
EX6S23B	100YR-24HR	9571	9571	0
EX6S23B	100YR-8HR	6787	6787	0
EX6S23B	10YR-1HR	2405	2405	0
EX6S23B	10YR-24HR	6265	6265	0
EX6S23B	10YR-8HR	4758	4758	0
EX6S23B	25YR-72HR	9977	9977	0

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S24	100YR-1HR	10839	11167	-327
EX6S24	100YR-24HR	30484	30811	-327
EX6S24	100YR-8HR	21437	21764	-327
EX6S24	10YR-1HR	7194	7522	-327
EX6S24	10YR-24HR	19740	20068	-327
EX6S24	10YR-8HR	14842	15169	-327
EX6S24	25YR-72HR	31803	32131	-327

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S25	100YR-1HR	8943	8547	396
EX6S25	100YR-24HR	24658	24263	396
EX6S25	100YR-8HR	17420	17025	396
EX6S25	10YR-1HR	6027	5631	396
EX6S25	10YR-24HR	16064	15668	396
EX6S25	10YR-8HR	12144	11749	396
EX6S25	25YR-72HR	25714	25318	395

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S26	100YR-1HR	9345	9341	4
EX6S26	100YR-24HR	25363	25363	0
EX6S26	100YR-8HR	17986	17976	9
EX6S26	10YR-1HR	6373	6366	7
EX6S26	10YR-24HR	16603	16603	0
EX6S26	10YR-8HR	12608	12607	1
EX6S26	25YR-72HR	26439	26412	27

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S27	100YR-1HR	47659	47418	241
EX6S27	100YR-24HR	143964	143738	226
EX6S27	100YR-8HR	99134	98913	220
EX6S27	10YR-1HR	30516	30280	236
EX6S27	10YR-24HR	90832	90607	226
EX6S27	10YR-8HR	66866	66638	227

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S27	25YR-72HR	150566	150365	201

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S28	100YR-1HR	6877	6651	226
EX6S28	100YR-24HR	18663	18437	226
EX6S28	100YR-8HR	13235	13009	226
EX6S28	10YR-1HR	4690	4463	226
EX6S28	10YR-24HR	12217	11991	226
EX6S28	10YR-8HR	9278	9052	226
EX6S28	25YR-72HR	19455	19229	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S29	100YR-1HR	9302	9077	226
EX6S29	100YR-24HR	28874	28647	227
EX6S29	100YR-8HR	19607	19383	224
EX6S29	10YR-1HR	6033	5808	225
EX6S29	10YR-24HR	17909	17682	227
EX6S29	10YR-8HR	13088	12864	224
EX6S29	25YR-72HR	30242	30019	223

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S30	100YR-1HR	8287	8286	1
EX6S30	100YR-24HR	22492	22492	0
EX6S30	100YR-8HR	15950	15946	3
EX6S30	10YR-1HR	5651	5650	2
EX6S30	10YR-24HR	14723	14723	0
EX6S30	10YR-8HR	11181	11178	3
EX6S30	25YR-72HR	23446	23443	3

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S31	100YR-1HR	10051	10050	0
EX6S31	100YR-24HR	27277	27277	0
EX6S31	100YR-8HR	19343	19332	11
EX6S31	10YR-1HR	6854	6849	5
EX6S31	10YR-24HR	17856	17856	0
EX6S31	10YR-8HR	13560	13546	14
EX6S31	25YR-72HR	28434	28424	10

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S32	100YR-1HR	11406	11180	226
EX6S32	100YR-24HR	34291	34065	226
EX6S32	100YR-8HR	23551	23336	215
EX6S32	10YR-1HR	7448	7226	222
EX6S32	10YR-24HR	21577	21351	226
EX6S32	10YR-8HR	15900	15689	212
EX6S32	25YR-72HR	35859	35644	215

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S33	100YR-1HR	3829	3603	226
EX6S33	100YR-24HR	10780	10555	226
EX6S33	100YR-8HR	7579	7353	226
EX6S33	10YR-1HR	2540	2314	226
EX6S33	10YR-24HR	6979	6753	226
EX6S33	10YR-8HR	5246	5020	226
EX6S33	25YR-72HR	11247	11021	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S34	100YR-1HR	12058	12054	4
EX6S34	100YR-24HR	43468	43447	21
EX6S34	100YR-8HR	33412	33384	28
EX6S34	10YR-1HR	5149	5148	0
EX6S34	10YR-24HR	24103	24085	18
EX6S34	10YR-8HR	18212	18189	23
EX6S34	25YR-72HR	52333	52250	83

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S35	100YR-1HR	25766	25776	-10
EX6S35	100YR-24HR	80469	80465	4
EX6S35	100YR-8HR	71223	71213	10
EX6S35	10YR-1HR	8991	9004	-13
EX6S35	10YR-24HR	42476	42474	2
EX6S35	10YR-8HR	36879	36872	6
EX6S35	25YR-72HR	101312	101192	120

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S36	100YR-1HR	3879	3653	226
EX6S36	100YR-24HR	10528	10300	228
EX6S36	100YR-8HR	7466	7240	226
EX6S36	10YR-1HR	2645	2419	226
EX6S36	10YR-24HR	6892	6663	229
EX6S36	10YR-8HR	5234	5008	226
EX6S36	25YR-72HR	10975	10748	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S37	100YR-1HR	30313	30263	50
EX6S37	100YR-24HR	54375	54365	10
EX6S37	100YR-8HR	66498	66437	61
EX6S37	10YR-1HR	11273	11250	23
EX6S37	10YR-24HR	28450	28450	0
EX6S37	10YR-8HR	33254	33210	44
EX6S37	25YR-72HR	77542	77443	99

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S39	100YR-1HR	1234	1008	226
EX6S39	100YR-24HR	3350	3124	226
EX6S39	100YR-8HR	2375	2149	226
EX6S39	10YR-1HR	842	616	226
EX6S39	10YR-24HR	2193	1967	226
EX6S39	10YR-8HR	1665	1439	226

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S39	25YR-72HR	3492	3266	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S40	100YR-1HR	0	0	0
EX6S40	100YR-24HR	0	0	0
EX6S40	100YR-8HR	0	0	0
EX6S40	10YR-1HR	0	0	0
EX6S40	10YR-24HR	0	0	0
EX6S40	10YR-8HR	0	0	0
EX6S40	25YR-72HR	0	0	0

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S41	100YR-1HR	3526	3300	226
EX6S41	100YR-24HR	9571	9345	226
EX6S41	100YR-8HR	6787	6561	226
EX6S41	10YR-1HR	2405	2179	226
EX6S41	10YR-24HR	6265	6039	226
EX6S41	10YR-8HR	4758	4532	226
EX6S41	25YR-72HR	9977	9751	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S42	100YR-1HR	5734	5734	0
EX6S42	100YR-24HR	21708	21708	0
EX6S42	100YR-8HR	14035	14035	0
EX6S42	10YR-1HR	3268	3268	0
EX6S42	10YR-24HR	12640	12640	0
EX6S42	10YR-8HR	8735	8735	0
EX6S42	25YR-72HR	22851	22814	38

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S42A	100YR-1HR	2744	2744	0
EX6S42A	100YR-24HR	10583	10583	0
EX6S42A	100YR-8HR	6936	6936	0
EX6S42A	10YR-1HR	1491	1491	0
EX6S42A	10YR-24HR	6171	6171	0
EX6S42A	10YR-8HR	4317	4317	0
EX6S42A	25YR-72HR	11059	11021	38

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S43	100YR-1HR	7356	7166	190
EX6S43	100YR-24HR	20351	20159	192
EX6S43	100YR-8HR	14366	14176	191
EX6S43	10YR-1HR	4944	4754	190
EX6S43	10YR-24HR	13244	13052	192
EX6S43	10YR-8HR	10003	9813	191
EX6S43	25YR-72HR	21224	21034	190

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S44	100YR-1HR	16158	16090	68
EX6S44	100YR-24HR	44565	44476	89
EX6S44	100YR-8HR	31483	31398	85
EX6S44	10YR-1HR	10886	10816	70
EX6S44	10YR-24HR	29028	28939	90
EX6S44	10YR-8HR	21945	21859	86
EX6S44	25YR-72HR	46475	46385	90

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S45	100YR-1HR	16090	15858	232
EX6S45	100YR-24HR	44476	44250	226
EX6S45	100YR-8HR	31398	31171	227
EX6S45	10YR-1HR	10816	10585	231
EX6S45	10YR-24HR	28939	28713	226
EX6S45	10YR-8HR	21859	21633	226
EX6S45	25YR-72HR	46385	46160	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S46	100YR-1HR	42004	41997	7
EX6S46	100YR-24HR	126843	126820	23
EX6S46	100YR-8HR	80906	80875	31
EX6S46	10YR-1HR	27291	27306	-15
EX6S46	10YR-24HR	80567	80548	19
EX6S46	10YR-8HR	56824	56792	32
EX6S46	25YR-72HR	127384	127295	89

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S48	100YR-1HR	45740	45751	-11
EX6S48	100YR-24HR	137426	137412	14
EX6S48	100YR-8HR	85582	85574	8
EX6S48	10YR-1HR	28526	28538	-13
EX6S48	10YR-24HR	86045	86038	7
EX6S48	10YR-8HR	59586	59562	24
EX6S48	25YR-72HR	138430	138367	63

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S50	100YR-1HR	5634	5629	5
EX6S50	100YR-24HR	18742	18698	45
EX6S50	100YR-8HR	11620	11602	17
EX6S50	10YR-1HR	2626	2609	17
EX6S50	10YR-24HR	10917	10970	-53
EX6S50	10YR-8HR	7024	7037	-14
EX6S50	25YR-72HR	20149	20119	30

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S51	100YR-1HR	11445	11443	2
EX6S51	100YR-24HR	38841	39264	-423
EX6S51	100YR-8HR	25899	25978	-79
EX6S51	10YR-1HR	6967	6976	-9
EX6S51	10YR-24HR	23498	23657	-158
EX6S51	10YR-8HR	16772	16804	-32

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S51	25YR-72HR	40725	40788	-62

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S51A	100YR-1HR	3799	3799	0
EX6S51A	100YR-24HR	13879	13722	156
EX6S51A	100YR-8HR	9481	9463	18
EX6S51A	10YR-1HR	2641	2642	0
EX6S51A	10YR-24HR	8413	8354	60
EX6S51A	10YR-8HR	6288	6284	5
EX6S51A	25YR-72HR	13945	13875	70

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S53	100YR-1HR	7582	7356	226
EX6S53	100YR-24HR	20577	20351	226
EX6S53	100YR-8HR	14592	14366	226
EX6S53	10YR-1HR	5170	4944	226
EX6S53	10YR-24HR	13470	13244	226
EX6S53	10YR-8HR	10229	10003	226
EX6S53	25YR-72HR	21450	21225	225

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S55	100YR-1HR	6171	5945	226
EX6S55	100YR-24HR	16749	16523	226
EX6S55	100YR-8HR	11877	11651	226
EX6S55	10YR-1HR	4209	3982	226
EX6S55	10YR-24HR	10964	10738	226
EX6S55	10YR-8HR	8326	8100	226
EX6S55	25YR-72HR	17460	17234	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S56	100YR-1HR	38560	38466	94
EX6S56	100YR-24HR	119234	119034	200
EX6S56	100YR-8HR	81480	81308	171
EX6S56	10YR-1HR	24528	24424	104
EX6S56	10YR-24HR	74494	74286	208
EX6S56	10YR-8HR	54521	54338	183
EX6S56	25YR-72HR	124791	124544	247

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S57	100YR-1HR	20402	20150	252
EX6S57	100YR-24HR	64736	64504	232
EX6S57	100YR-8HR	43959	43722	237
EX6S57	10YR-1HR	12743	12492	250
EX6S57	10YR-24HR	40113	39883	230
EX6S57	10YR-8HR	29144	28909	235
EX6S57	25YR-72HR	67794	67567	227

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S58	100YR-1HR	1763	1537	226
EX6S58	100YR-24HR	4785	4559	226
EX6S58	100YR-8HR	3394	3168	226
EX6S58	10YR-1HR	1202	976	226
EX6S58	10YR-24HR	3133	2907	226
EX6S58	10YR-8HR	2379	2153	226
EX6S58	25YR-72HR	4988	4762	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S59	100YR-1HR	6887	6604	283
EX6S59	100YR-24HR	18676	18447	229
EX6S59	100YR-8HR	13247	12965	283
EX6S59	10YR-1HR	4698	4416	283
EX6S59	10YR-24HR	12231	12003	228
EX6S59	10YR-8HR	9296	9016	280
EX6S59	25YR-72HR	19464	19281	183

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S60	100YR-1HR	17770	17453	317
EX6S60	100YR-24HR	55659	55288	370
EX6S60	100YR-8HR	37849	37533	316
EX6S60	10YR-1HR	11264	10948	317
EX6S60	10YR-24HR	34623	34252	371
EX6S60	10YR-8HR	25221	24903	319
EX6S60	25YR-72HR	58317	57900	416

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S61	100YR-1HR	11398	11166	232
EX6S61	100YR-24HR	37438	37212	226
EX6S61	100YR-8HR	25110	24884	226
EX6S61	10YR-1HR	7080	6848	231
EX6S61	10YR-24HR	22845	22619	226
EX6S61	10YR-8HR	16432	16205	226
EX6S61	25YR-72HR	39262	39036	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S62	100YR-1HR	624	398	226
EX6S62	100YR-24HR	1620	1394	226
EX6S62	100YR-8HR	1155	929	226
EX6S62	10YR-1HR	423	197	226
EX6S62	10YR-24HR	883	657	226
EX6S62	10YR-8HR	761	535	226
EX6S62	25YR-72HR	1717	1491	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S62A	100YR-1HR	6596	6415	180
EX6S62A	100YR-24HR	18167	18175	-8
EX6S62A	100YR-8HR	12829	12685	144
EX6S62A	10YR-1HR	4425	4245	181
EX6S62A	10YR-24HR	11645	11638	7
EX6S62A	10YR-8HR	8888	8767	122

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S62A	25YR-72HR	18962	19129	-167

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S63	100YR-1HR	4304	4205	99
EX6S63	100YR-24HR	155	65	90
EX6S63	100YR-8HR	6521	6425	96
EX6S63	10YR-1HR	2949	2853	96
EX6S63	10YR-24HR	0	0	0
EX6S63	10YR-8HR	2875	2782	93
EX6S63	25YR-72HR	15412	15323	89

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S64	100YR-1HR	31410	31338	72
EX6S64	100YR-24HR	16680	16624	56
EX6S64	100YR-8HR	45162	45100	62
EX6S64	10YR-1HR	13198	13128	70
EX6S64	10YR-24HR	11098	11049	48
EX6S64	10YR-8HR	20051	19992	59
EX6S64	25YR-72HR	63014	62951	63

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S65C	100YR-1HR	32671	32673	-2
EX6S65C	100YR-24HR	2955	2954	1
EX6S65C	100YR-8HR	46437	46383	54
EX6S65C	10YR-1HR	12309	12311	-2
EX6S65C	10YR-24HR	122	120	1
EX6S65C	10YR-8HR	19062	19042	21
EX6S65C	25YR-72HR	56785	56785	0

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S68	100YR-1HR	644	416	228
EX6S68	100YR-24HR	0	0	0
EX6S68	100YR-8HR	388	162	226
EX6S68	10YR-1HR	402	176	226
EX6S68	10YR-24HR	0	0	0
EX6S68	10YR-8HR	299	73	226
EX6S68	25YR-72HR	584	358	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S69	100YR-1HR	37681	37365	316
EX6S69	100YR-24HR	114734	114453	281
EX6S69	100YR-8HR	78862	78551	311
EX6S69	10YR-1HR	23986	23674	313
EX6S69	10YR-24HR	72162	71902	260
EX6S69	10YR-8HR	53019	52713	306
EX6S69	25YR-72HR	119995	119778	217

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S70	100YR-1HR	35197	34874	323
EX6S70	100YR-24HR	104131	103902	229
EX6S70	100YR-8HR	72158	71906	252
EX6S70	10YR-1HR	22764	22456	308
EX6S70	10YR-24HR	66190	65963	227
EX6S70	10YR-8HR	49051	48809	243
EX6S70	25YR-72HR	108808	108582	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S71	100YR-1HR	28591	28366	225
EX6S71	100YR-24HR	83195	82970	224
EX6S71	100YR-8HR	57856	57633	223
EX6S71	10YR-1HR	18749	18526	223
EX6S71	10YR-24HR	53123	52898	225
EX6S71	10YR-8HR	39555	39331	224
EX6S71	25YR-72HR	86893	86667	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S72	100YR-1HR	2292	2079	214
EX6S72	100YR-24HR	6221	6006	215
EX6S72	100YR-8HR	4412	4197	214
EX6S72	10YR-1HR	1563	1349	214
EX6S72	10YR-24HR	4072	3858	215
EX6S72	10YR-8HR	3093	2878	214
EX6S72	25YR-72HR	6485	6271	214

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S74	100YR-1HR	5642	5642	0
EX6S74	100YR-24HR	15313	15313	0
EX6S74	100YR-8HR	10859	10860	0
EX6S74	10YR-1HR	3848	3848	0
EX6S74	10YR-24HR	10024	10025	0
EX6S74	10YR-8HR	7613	7613	0
EX6S74	25YR-72HR	15963	15963	0

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S75	100YR-1HR	2645	2419	226
EX6S75	100YR-24HR	7178	6952	226
EX6S75	100YR-8HR	5090	4864	226
EX6S75	10YR-1HR	1804	1578	226
EX6S75	10YR-24HR	4699	4473	226
EX6S75	10YR-8HR	3568	3342	226
EX6S75	25YR-72HR	7483	7257	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S75A	100YR-1HR	4838	4612	226
EX6S75A	100YR-24HR	13904	13678	226
EX6S75A	100YR-8HR	9729	9503	226
EX6S75A	10YR-1HR	3155	2929	226
EX6S75A	10YR-24HR	8946	8720	226
EX6S75A	10YR-8HR	6685	6459	226

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S75A	25YR-72HR	14513	14287	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S75B	100YR-1HR	1587	1361	226
EX6S75B	100YR-24HR	4307	4081	226
EX6S75B	100YR-8HR	3054	2828	226
EX6S75B	10YR-1HR	1082	856	226
EX6S75B	10YR-24HR	2819	2593	226
EX6S75B	10YR-8HR	2141	1915	226
EX6S75B	25YR-72HR	4490	4264	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S76	100YR-1HR	17636	17410	226
EX6S76	100YR-24HR	49356	49130	226
EX6S76	100YR-8HR	34747	34520	226
EX6S76	10YR-1HR	11748	11523	226
EX6S76	10YR-24HR	31998	31772	226
EX6S76	10YR-8HR	24092	23866	226
EX6S76	25YR-72HR	51475	51249	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S77	100YR-1HR	14138	13919	219
EX6S77	100YR-24HR	39521	39296	226
EX6S77	100YR-8HR	27831	27606	225
EX6S77	10YR-1HR	9427	9208	219
EX6S77	10YR-24HR	25637	25411	226
EX6S77	10YR-8HR	19308	19082	225
EX6S77	25YR-72HR	41225	40999	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S77A	100YR-1HR	11011	10788	223
EX6S77A	100YR-24HR	30654	30429	225
EX6S77A	100YR-8HR	21607	21383	224
EX6S77A	10YR-1HR	7365	7143	223
EX6S77A	10YR-24HR	19910	19685	225
EX6S77A	10YR-8HR	15012	14788	225
EX6S77A	25YR-72HR	31973	31747	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S78	100YR-1HR	8237	8013	224
EX6S78	100YR-24HR	22744	22519	225
EX6S78	100YR-8HR	16063	15838	225
EX6S78	10YR-1HR	5546	5321	224
EX6S78	10YR-24HR	14811	14585	226
EX6S78	10YR-8HR	11193	10968	225
EX6S78	25YR-72HR	23719	23493	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S78A	100YR-1HR	5466	5240	226
EX6S78A	100YR-24HR	14835	14609	226
EX6S78A	100YR-8HR	10520	10294	226
EX6S78A	10YR-1HR	3728	3501	226
EX6S78A	10YR-24HR	9711	9485	226
EX6S78A	10YR-8HR	7375	7149	226
EX6S78A	25YR-72HR	15464	15238	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S79	100YR-1HR	35938	35826	112
EX6S79	100YR-24HR	96223	96120	104
EX6S79	100YR-8HR	45775	45672	103
EX6S79	10YR-1HR	17989	17868	121
EX6S79	10YR-24HR	61220	61117	104
EX6S79	10YR-8HR	29957	29852	105
EX6S79	25YR-72HR	104594	104501	93

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S81	100YR-1HR	24876	25065	-189
EX6S81	100YR-24HR	61645	61907	-261
EX6S81	100YR-8HR	45035	45224	-189
EX6S81	10YR-1HR	10657	10847	-189
EX6S81	10YR-24HR	37158	37342	-184
EX6S81	10YR-8HR	26635	26812	-177
EX6S81	25YR-72HR	71139	71255	-116

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S82	100YR-1HR	19586	19572	14
EX6S82	100YR-24HR	33211	33173	38
EX6S82	100YR-8HR	29073	29049	24
EX6S82	10YR-1HR	6768	6754	14
EX6S82	10YR-24HR	20149	20112	37
EX6S82	10YR-8HR	15575	15548	27
EX6S82	25YR-72HR	46271	46177	94

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S83	100YR-1HR	36997	36908	89
EX6S83	100YR-24HR	106982	106902	80
EX6S83	100YR-8HR	50271	50191	80
EX6S83	10YR-1HR	19206	19121	85
EX6S83	10YR-24HR	68180	68100	79
EX6S83	10YR-8HR	34732	34653	79
EX6S83	25YR-72HR	113331	113251	80

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S84	100YR-1HR	14987	14953	34
EX6S84	100YR-24HR	255	255	1
EX6S84	100YR-8HR	13154	13123	31
EX6S84	10YR-1HR	3128	3127	1
EX6S84	10YR-24HR	171	170	1
EX6S84	10YR-8HR	3161	3138	23

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S84	25YR-72HR	26098	26037	61

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S85	100YR-1HR	37213	37212	1
EX6S85	100YR-24HR	109779	109820	-40
EX6S85	100YR-8HR	51665	51679	-14
EX6S85	10YR-1HR	18397	18406	-9
EX6S85	10YR-24HR	69426	69469	-43
EX6S85	10YR-8HR	36504	36528	-24
EX6S85	25YR-72HR	115663	115672	-9

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S86	100YR-1HR	723	463	260
EX6S86	100YR-24HR	3034	2774	260
EX6S86	100YR-8HR	1753	1493	260
EX6S86	10YR-1HR	158	0	158
EX6S86	10YR-24HR	1481	1221	260
EX6S86	10YR-8HR	884	624	260
EX6S86	25YR-72HR	3238	2983	255

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S87	100YR-1HR	32949	32923	26
EX6S87	100YR-24HR	117019	116962	56
EX6S87	100YR-8HR	55059	55053	6
EX6S87	10YR-1HR	21893	21869	24
EX6S87	10YR-24HR	74157	74086	71
EX6S87	10YR-8HR	42967	42965	1
EX6S87	25YR-72HR	110718	110501	217

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S87A	100YR-1HR	26973	26969	4
EX6S87A	100YR-24HR	116320	116313	8
EX6S87A	100YR-8HR	48060	48026	35
EX6S87A	10YR-1HR	17874	17859	15
EX6S87A	10YR-24HR	73398	73397	0
EX6S87A	10YR-8HR	39253	39204	49
EX6S87A	25YR-72HR	103163	103195	-33

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX6S87B	100YR-1HR	1895	1669	226
EX6S87B	100YR-24HR	6534	6308	226
EX6S87B	100YR-8HR	4361	4135	226
EX6S87B	10YR-1HR	1104	878	226
EX6S87B	10YR-24HR	3959	3733	226
EX6S87B	10YR-8HR	2809	2583	226
EX6S87B	25YR-72HR	6853	6627	226

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS6S65A	100YR-1HR	33822	33644	178
EXCS6S65A	100YR-24HR	19195	18912	283
EXCS6S65A	100YR-8HR	50974	50775	199
EXCS6S65A	10YR-1HR	13527	13348	179
EXCS6S65A	10YR-24HR	11766	11394	372
EXCS6S65A	10YR-8HR	22673	22476	196
EXCS6S65A	25YR-72HR	69499	68939	559

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS6S65B	100YR-1HR	32935	32748	186
EXCS6S65B	100YR-24HR	3240	2975	265
EXCS6S65B	100YR-8HR	46637	46437	200
EXCS6S65B	10YR-1HR	12572	12388	184
EXCS6S65B	10YR-24HR	272	108	165
EXCS6S65B	10YR-8HR	19285	19062	223
EXCS6S65B	25YR-72HR	57024	56871	153

Node Mass Balance Condensed [Icpr3]

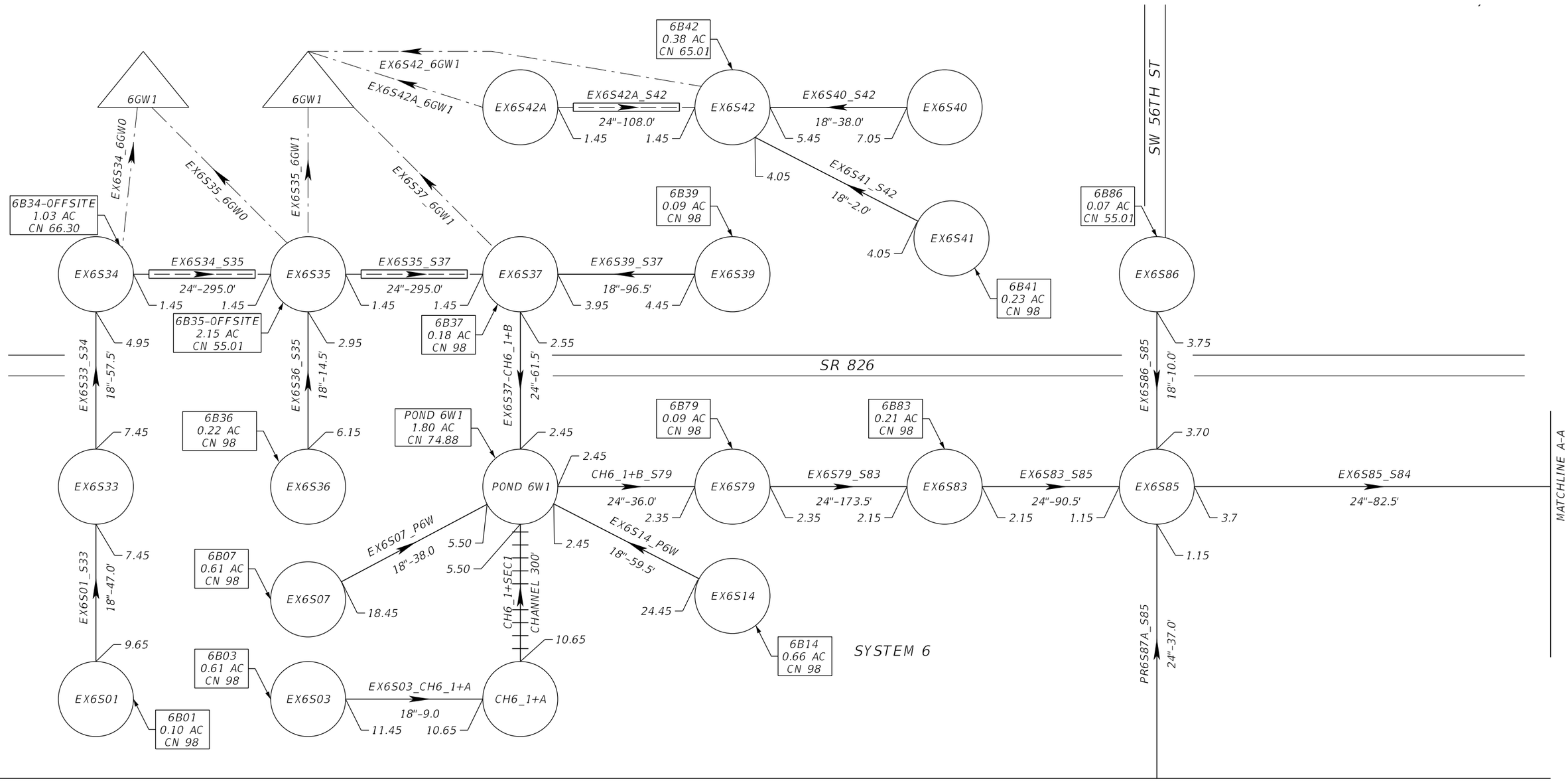
Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
O601	100YR-1HR	32673	8	32665
O601	100YR-24HR	2954	109	2846
O601	100YR-8HR	46383	83	46301
O601	10YR-1HR	12311	2	12309
O601	10YR-24HR	120	122	-1
O601	10YR-8HR	19042	89	18953
O601	25YR-72HR	56785	116	56669

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 6E1	100YR-1HR	17295	17160	135
POND 6E1	100YR-24HR	44477	44336	141
POND 6E1	100YR-8HR	33379	33243	136
POND 6E1	10YR-1HR	7227	7086	141
POND 6E1	10YR-24HR	25232	25091	141
POND 6E1	10YR-8HR	18001	17884	118
POND 6E1	25YR-72HR	53375	53262	113

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 6W1	100YR-1HR	54597	48151	6446
POND 6W1	100YR-24HR	140734	135295	5439
POND 6W1	100YR-8HR	100906	95195	5711
POND 6W1	10YR-1HR	28523	22499	6024
POND 6W1	10YR-24HR	85192	79811	5381
POND 6W1	10YR-8HR	61207	55592	5615
POND 6W1	25YR-72HR	159603	154190	5412



LEGEND

B-### #.## AC CN ##.# — CONTRIBUTING BASIN, BASIN NAME, BASIN AREA, CURVE NUMBER	NODE NAME — BOUNDARY NODE WITH CONSTANT TAILWATER	###-### ##"-###' #.## #.## — EXFILTRATION TRENCH LINK WITH SIZE-LENGTH INVERT ELEVATION	####_WEIR VERTICAL TYPE EL. #.##, ## — WEIR LINK WITH WEIR TYPE ELEVATION, WIDTH	###### CHANNEL ###' #.## #.## — CHANNEL LINK WITH LENGTH INVERT ELEVATION
#-### — NODE NAME	PATRICIA LAKE — BOUNDARY NODE WITH VARIABLE TAILWATER	###-### (#)##"-###' #.## #.## — PIPE LINK WITH (QUANTITY)SIZE-LENGTH INVERT ELEVATION	##_## — RATING CURVE LINK	

N.T.S.

1 OF 6

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

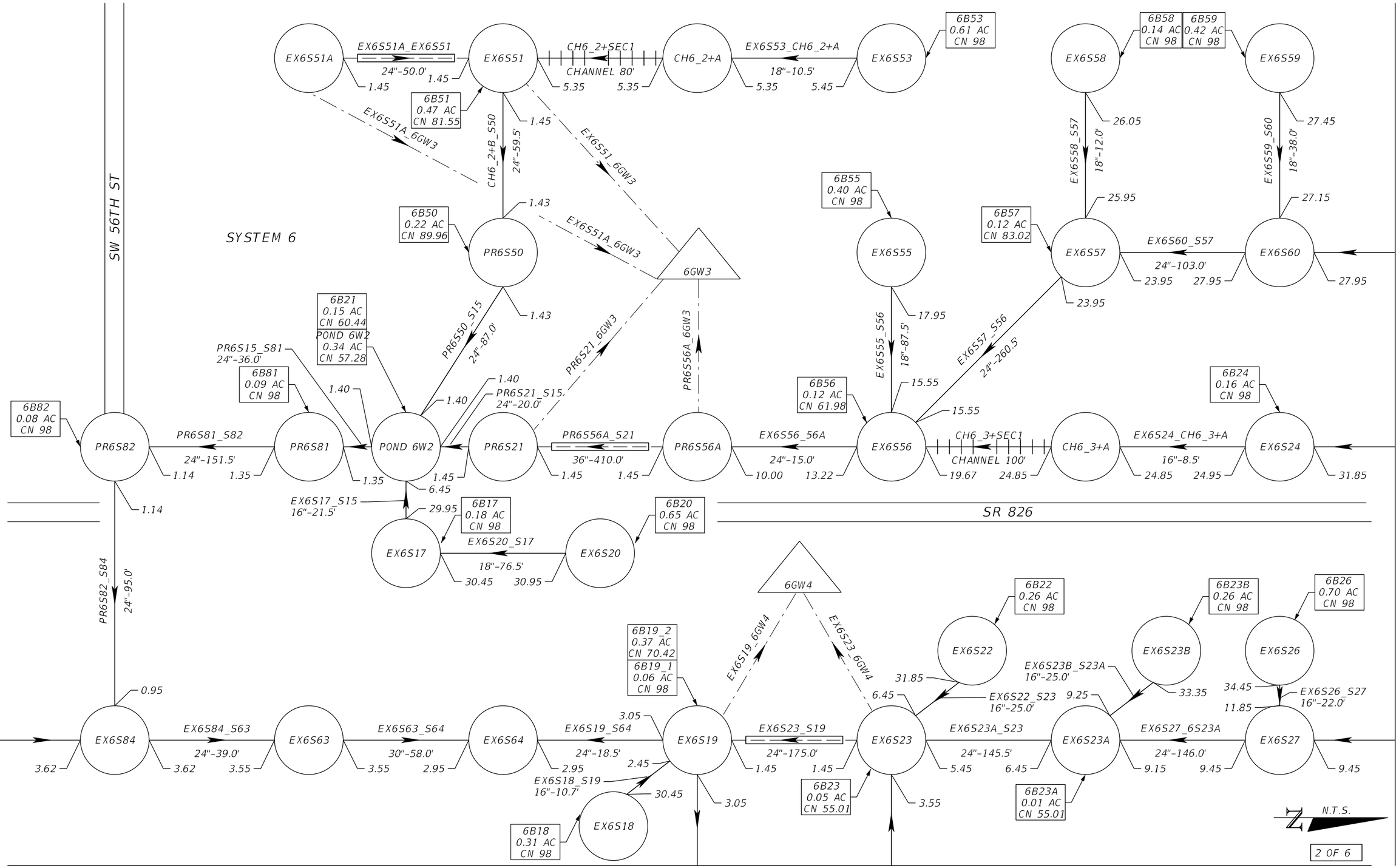
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



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SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-2

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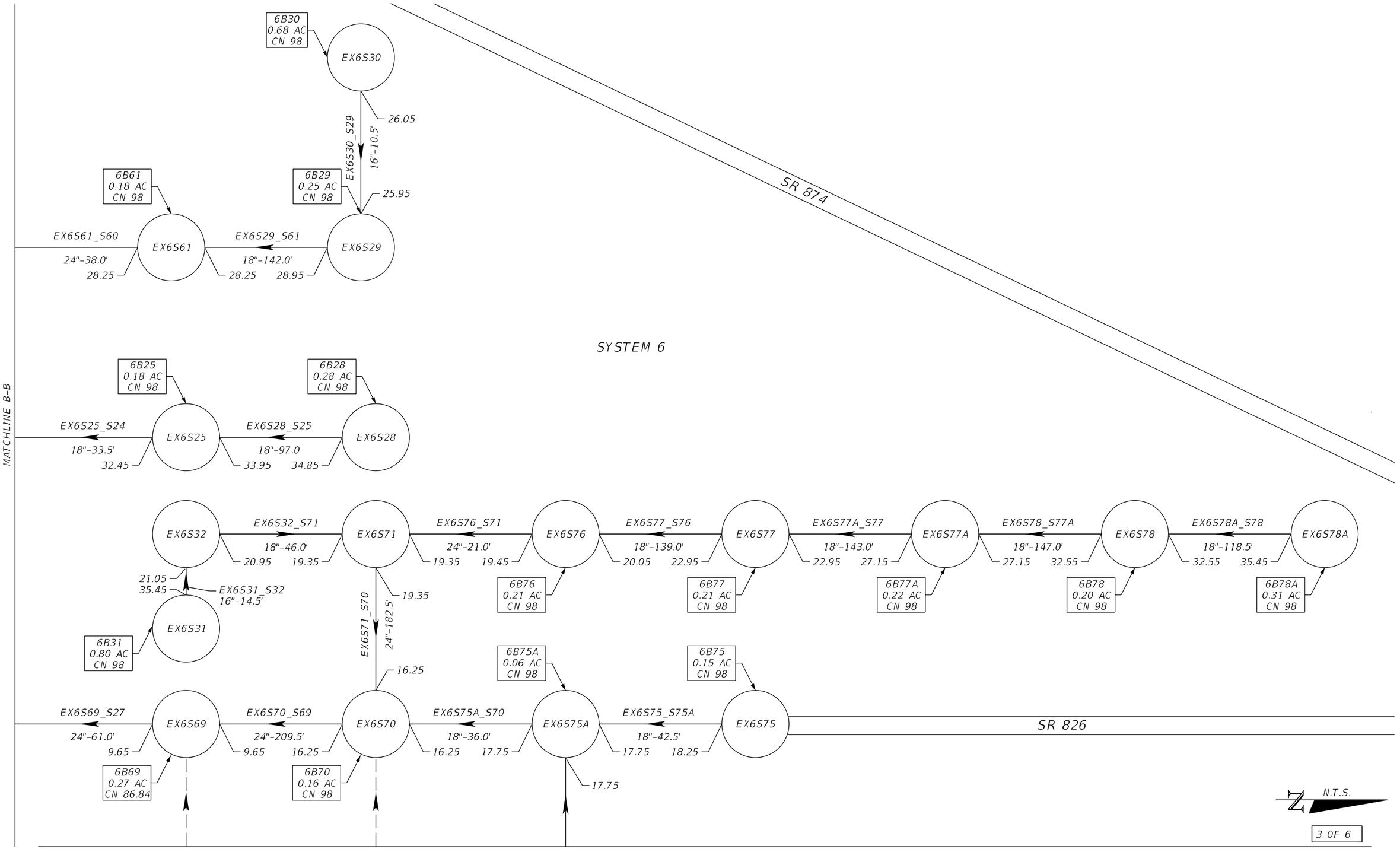

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-3

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MATCHLINE C-C

SR 826

SR 826

SW 56TH ST

SW 56TH ST

MATCHLINE F-F

6B87
0.16 AC
CN 95.14

PR6S87

PR6S87_S87A
24"-55.0'

EX6S87A

EX6S87B_S87A
18"-14.5'

EX6S87B

1.25

1.35

1.25

4.45

5.45

1.35

1.49

PR6S48_S87
24"-150.0'

PR6S87A1_PR6S87
24"-59.0'

PR6S87A1

6B48
0.31 AC
CN 98

2.69

1.40

1.40

1.41

PR6S46A1_PR6S87A
24"-10.0'

PR6S48

5.50

PR6S48_SWALE6E1
18"-13.0'

SWALE 6E2

PRSWALE 6E2_PR6S46A1
24"-17.0'

PR6S46A1

1.73

1.45

PR6S46A1
6GW2

PR6S46_S48
24"-195.0'

2.69

SWALE 6E1_PRSWALE 6E2
24"-77.0'

1.73

PR6S46A_PR6S46A1
36"-300.0'

1.45

6GW2

4.25

5.00

2.45

1.45

SWALE 6E1
1.35 AC
CN 88.92

SWALE 6E1

PR6S46A

PR6S46A_6GW2

6B04
0.41 AC
CN 98

6B43
0.10 AC
CN 98

6B44_2
0.40 AC
CN 98

6B44_1
0.14 AC
CN 98

EX6S04

EX6S04_S43
18"-28.0'

EX6S43

EX6S43_S44
18"-195.5'

EX6S44

EX6S44_S45
24"-99.0'

EX6S45

EX6S45_S46
24"-82.0'

PR6S46

8.95

7.35

7.35

6.15

5.65

5.45

5.45

4.25

6B46
0.17 AC
CN 98

4.45

EX6S08_S46
16"-40.0'

6B09
0.13 AC
CN 98

6B10
0.74 AC
CN 98

6B08
0.26 AC
CN 98

5.15

EX6S08

EX6S09_S08
18"-42.5'

EX6S09

EX6S10_S09
18"-70.0'

EX6S10

EX6S11_S10
18"-5.0'

21.65

23.45

23.25

25.25

25.25

SYSTEM 6

N.T.S.

4 OF 6

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-4

MATCHLINE D-D

MATCHLINE F-F

MATCHLINE G-G

SW 56TH ST

SR 826

SR 826

SYSTEM 6

6B62
0.02 AC
CN 55.01

6B62A_1
0.22 AC
CN 98

6B62A_2
0.14 AC
CN 98

EX6S62

EX6S62_S62A
18"-48.0'
3.55
1.45

EX6S62A

EX6S62A_S65A
18"-12.5'
1.45
1.35

EXCS6S65A

EX6S19_S64
24"-18.5'
2.95

EX6S64

EX6S64_S65A
30"-70.0'
2.95
3.00

EX6S68_S23
24"-78.5'
3.75

EX6S68

EX6S68_WEIR
VERTICAL TYPE
EL. 7.79, 3.25

CH6_4+B

CH6_4+SEC1
CHANNEL 200'
13.78
21.22

CH6_4+A

6B74
0.33 AC
CN 98

EX6S74

22.15
12.79

EX6S74_4+A
16"-10.5'

6B68
0.57 AC
CN 79.47

CS6S65_WEIR1
VERTICAL TYPE
EL. -2.05, 6.0

EXCS6S65B

CS6S65_WEIR2
VERTICAL TYPE
EL. 3.55, 6.0

6B11
0.07 AC
CN 55.01

6B72
0.13 AC
CN 98

EX6S11

EX6S12_S11
18"-15.0'
25.45
25.45
26.45

EX6S12

EX6S72_S12
18"-189.0'
26.45
29.35

EX6S72

EX6S65C

EX6S65C_0601
30"-21.5'
0.45
0.35

0601

N.T.S.

5 OF 6

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-5

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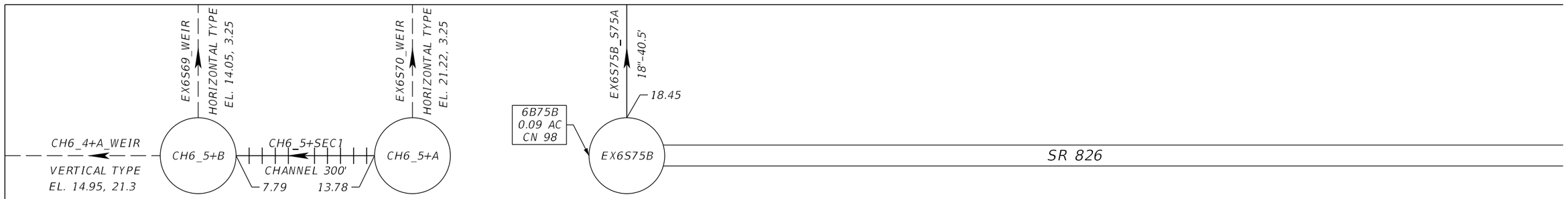

SYSTEM 6

N.T.S.

6 OF 6

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-6

Simple Basin: 6B01

Scenario:	Icpr3
Node:	EX6S01
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B03

Scenario:	Icpr3
Node:	EX6S03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.6100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B04

Scenario:	Icpr3
Node:	EX6S04
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.4100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B07

Scenario:	Icpr3
Node:	EX6S07
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.6100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B08

Scenario:	Icpr3
Node:	PR6S08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B09

Scenario:	Icpr3
Node:	EX6S09
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B10

Scenario:	Icpr3
Node:	EX6S10
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.7400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B11

Scenario:	Icpr3
Node:	EX6S11
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.0700 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B14

Scenario:	Icpr3
Node:	EX6S14
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.6600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B17

Scenario:	Icpr3
Node:	EX6S17
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B18

Scenario:	Icpr3
Node:	EX6S18
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.3100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B19_1

Scenario:	Icpr3
Node:	EX6S19
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.0600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B19_2

Scenario:	Icpr3
Node:	EX6S19
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.3700 ac
Curve Number:	70.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B20

Scenario:	Icpr3
Node:	EX6S20
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.6500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B21

Scenario:	Icpr3
Node:	POND 6W2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1500 ac
Curve Number:	60.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B22

Scenario:	Icpr3
Node:	EX6S22
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B23

Scenario:	Icpr3
Node:	EX6S23
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.0500 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B23A

Scenario:	Icpr3
Node:	EX6S23A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.0100 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B23B

Scenario:	Icpr3
Node:	EX6S23B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B24

Scenario:	Icpr3
Node:	EX6S24
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B25

Scenario:	Icpr3
Node:	EX6S25
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B26

Scenario:	Icpr3
Node:	EX6S26
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.7000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B28

Scenario:	Icpr3
Node:	EX6S28
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B29

Scenario:	Icpr3
Node:	EX6S29
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B30

Scenario:	Icpr3
Node:	EX6S30
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.6800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B31

Scenario:	Icpr3
Node:	EX6S31
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.8000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B34-OFFSITE

Scenario:	Icpr3
Node:	EX6S34
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	1.0300 ac
Curve Number:	66.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite area

Simple Basin: 6B35-OFFSITE

Scenario:	Icpr3
Node:	EX6S35
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	2.1500 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: Offsite area

Simple Basin: 6B36

Scenario:	Icpr3
Node:	EX6S36
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B37

Scenario:	Icpr3
Node:	EX6S37
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B39

Scenario:	Icpr3
Node:	EX6S39
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.0900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B41

Scenario:	Icpr3
Node:	EX6S41
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B42-OFFSITE

Scenario:	Icpr3
Node:	EX6S42
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.3800 ac
Curve Number:	65.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment: Offsite area

Simple Basin: 6B43

Scenario:	Icpr3
Node:	EX6S43
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B44_1

Scenario:	Icpr3
Node:	EX6S44
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B44_2

Scenario:	Icpr3
Node:	EX6S44
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.4000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B46

Scenario:	Icpr3
Node:	PR6S46
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B48

Scenario:	Icpr3
Node:	PR6S48
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.3100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B50

Scenario:	Icpr3
Node:	PR6S50
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2200 ac
Curve Number:	90.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B51

Scenario:	Icpr3
Node:	EX6S51
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.4700 ac
Curve Number:	81.6
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B53

Scenario:	Icpr3
Node:	EX6S53
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.6100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B55

Scenario:	Icpr3
Node:	EX6S55
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.4000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B56

Scenario:	Icpr3
Node:	EX6S56
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1200 ac
Curve Number:	62.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B57

Scenario:	Icpr3
Node:	EX6S57
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1200 ac
Curve Number:	83.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B58

Scenario:	Icpr3
Node:	EX6S58
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B59

Scenario:	Icpr3
Node:	EX6S59
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.4200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B61

Scenario:	Icpr3
Node:	EX6S61
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B62

Scenario:	Icpr3
Node:	EX6S62
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.0200 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B62A_1

Scenario:	Icpr3
Node:	EX6S62A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B62A_2

Scenario:	Icpr3
Node:	EX6S62A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B68

Scenario:	Icpr3
Node:	CH6_4+A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.5700 ac
Curve Number:	79.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B69

Scenario:	Icpr3
Node:	PR6S69
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2700 ac
Curve Number:	86.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B70

Scenario:	Icpr3
Node:	EX6S70
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B72

Scenario:	Icpr3
Node:	EX6S72
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B74

Scenario:	Icpr3
Node:	EX6S74
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.3300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B75

Scenario:	Icpr3
Node:	EX6S75
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B75A

Scenario:	Icpr3
Node:	EX6S75A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.0600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B75B

Scenario:	Icpr3
Node:	EX6S75B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.0900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B76

Scenario:	Icpr3
Node:	EX6S76
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B77

Scenario:	Icpr3
Node:	EX6S77
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B77A

Scenario:	Icpr3
Node:	EX6S77A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B78

Scenario:	Icpr3
Node:	EX6S78
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B78A

Scenario:	Icpr3
Node:	EX6S78A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.3100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B79

Scenario:	Icpr3
Node:	EX6S79
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.0900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B81

Scenario:	Icpr3
Node:	PR6S81
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.0900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B82

Scenario:	Icpr3
Node:	PR6S82
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.0800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: THIS BASIN ACCOUNTS FOR BASINS 4B82-A AND 4B82-B

Simple Basin: 6B83

Scenario:	Icpr3
Node:	EX6S83
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: THIS BASIN ACCOUNTS FOR BASINS 4B83-A AND 4B83-B

Simple Basin: 6B86

Scenario:	Icpr3
Node:	EX6S86
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.0700 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 6B87

Scenario:	Icpr3
Node:	EX6S87B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1600 ac
Curve Number:	95.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 6W1

Scenario:	Icpr3
Node:	POND 6W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	1.8000 ac
Curve Number:	74.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: 'POND A'

Simple Basin: POND 6W2

Scenario:	Icpr3
Node:	POND 6W2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.3400 ac
Curve Number:	57.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: PART OF POND "D"

Simple Basin: SWALE 6E1

Scenario:	Icpr3
Node:	SWALE 6E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	1.3500 ac
Curve Number:	88.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment: 'POND B'

Node: 6GW0

Scenario:	Icpr3
Type:	Time/Stage
Base Flow:	0.00 cfs
Initial Stage:	1.45 ft
Warning Stage:	3.61 ft
Boundary Stage:	GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 6GW1

Scenario: Icpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 3.61 ft
Boundary Stage: GROUND1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 6GW2

Scenario: Icpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft
Boundary Stage: GROUND2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 6GW3

Scenario: Icpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 3.61 ft
Boundary Stage: GROUND3

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: 6GW4

Scenario: Icpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 3.61 ft
Boundary Stage: GROUND4

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: CH6_1+A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.65 ft
Warning Stage: 12.45 ft

Stage [ft]	Area [ac]	Area [ft2]
10.65	0.0003	13
12.45	0.0003	13

Comment: Channel Node

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-02

Node: CH6_2+A

Scenario: Icpr3
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 5.35 ft
Warning Stage: 7.55 ft

Stage [ft]	Area [ac]	Area [ft2]
5.35	0.0003	13
7.55	0.0003	13

Comment: GHOST NODE

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-52

Node: CH6_3+A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.85 ft
Warning Stage: 27.26 ft

Stage [ft]	Area [ac]	Area [ft2]
24.85	0.0003	13
27.26	0.0003	13

Comment: GHOST NODE - THIS IS A U-ENDWALL STRUCTURE

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-24

Node: CH6_4+A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.78 ft
Warning Stage: 21.22 ft

Stage [ft]	Area [ac]	Area [ft2]
13.78	0.0003	13
21.22	0.0003	13

Comment: GHOST NODE

Originally EX6S69B

Node: CH6_4+B

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.79 ft
Warning Stage: 13.78 ft

Stage [ft]	Area [ac]	Area [ft2]
7.79	0.0003	13
13.78	0.0003	13

Comment: GHOST NODE

ORIGINALLY EX6S68A

Node: CH6_5+A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.78 ft
Warning Stage: 21.62 ft

Stage [ft]	Area [ac]	Area [ft2]
13.78	0.0003	13
21.62	0.0003	13

Comment: GHOST NODE

ORIGINALLY EX6S70A

Node: CH6_5+B

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.79 ft
Warning Stage: 17.05 ft

Stage [ft]	Area [ac]	Area [ft2]
7.79	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
17.05	0.0003	13

Comment: GHOST NODE

ORIGINALLY EX6S69A

Node: EX6S01

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.65 ft
Warning Stage: 14.19 ft

Stage [ft]	Area [ac]	Area [ft2]
7.65	0.0003	13
14.19	0.0003	13
14.20	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-01

Node: EX6S03

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.45 ft
Warning Stage: 16.39 ft

Stage [ft]	Area [ac]	Area [ft2]
9.45	0.0003	13
16.39	0.0003	13
16.40	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-03

Node: EX6S04

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.95 ft
Warning Stage: 16.29 ft

Stage [ft]	Area [ac]	Area [ft2]
6.95	0.0003	13
16.29	0.0003	13
16.30	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-04

Node: EX6S07

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.45 ft
Warning Stage: 24.61 ft

Stage [ft]	Area [ac]	Area [ft2]
16.45	0.0003	13
24.61	0.0003	13
24.62	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-07

Node: EX6S09

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 21.45 ft
Warning Stage: 27.93 ft

Stage [ft]	Area [ac]	Area [ft2]
21.45	0.0003	13
27.93	0.0003	13
27.94	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-09

Node: EX6S10

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 23.25 ft
Warning Stage: 29.77 ft

Stage [ft]	Area [ac]	Area [ft2]
23.25	0.0003	13
29.77	0.0003	13
29.78	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-10

Node: EX6S11

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 23.45 ft
Warning Stage: 29.78 ft

Stage [ft]	Area [ac]	Area [ft2]
23.45	0.0003	13
29.78	0.0003	13
29.79	0.0029	126

Comment: DBI TYPE "D"

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-11

Node: EX6S12

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.45 ft
Warning Stage: 30.97 ft

Stage [ft]	Area [ac]	Area [ft2]
24.45	0.0002	10
30.97	0.0002	10

Comment: MH TYPE "P-7"

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-12

Node: EX6S14

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 22.45 ft
Warning Stage: 31.48 ft

Stage [ft]	Area [ac]	Area [ft2]
22.45	0.0003	13
31.48	0.0003	13
31.49	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-14

Node: EX6S17

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 29.95 ft
Warning Stage: 35.31 ft

Stage [ft]	Area [ac]	Area [ft2]
29.95	0.0003	13
35.31	0.0003	13
35.32	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-17

Node: EX6S18

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 30.45 ft
Warning Stage: 35.67 ft

Stage [ft]	Area [ac]	Area [ft2]
30.45	0.0003	13
35.67	0.0003	13
35.68	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-22

Node: EX6S19

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
6.27	0.0003	13
6.28	0.0030	131
7.00	0.0481	2095
8.00	0.0885	3855

Comment: DBI TYPE "B"

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-19

INCLUDES INFIELD STORAGE AREA MEASURED FROM CONTOURS

Node: EX6S20

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 28.95 ft
Warning Stage: 35.45 ft

Stage [ft]	Area [ac]	Area [ft2]
28.95	0.0003	13
35.45	0.0003	13
35.46	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-20

Node: EX6S22

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 31.85 ft
Warning Stage: 36.50 ft

Stage [ft]	Area [ac]	Area [ft2]
31.85	0.0003	13
36.50	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
36.51	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-22

Node: EX6S23

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 10.09 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
10.09	0.0003	13
10.10	0.0030	131

Comment: DBI TYPE "B"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-23

Node: EX6S23A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.55 ft
Warning Stage: 14.83 ft

Stage [ft]	Area [ac]	Area [ft2]
4.55	0.0003	13
14.83	0.0003	13
14.84	0.0030	131

Comment: DBI TYPE "B"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-23A

Node: EX6S23B

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 33.35 ft
Warning Stage: 37.55 ft

Stage [ft]	Area [ac]	Area [ft2]
33.35	0.0003	13
37.55	0.0003	13
37.56	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-23A

Node: EX6S24

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 27.85 ft
Warning Stage: 36.31 ft

Stage [ft]	Area [ac]	Area [ft2]
27.85	0.0003	13
36.31	0.0003	13
36.32	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-24A

Node: EX6S25

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 28.95 ft
Warning Stage: 38.60 ft

Stage [ft]	Area [ac]	Area [ft2]
28.95	0.0003	13
38.60	0.0003	13
38.61	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-25

Node: EX6S26

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 34.45 ft
Warning Stage: 38.60 ft

Stage [ft]	Area [ac]	Area [ft2]
34.45	0.0003	13
38.60	0.0003	13
38.61	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-26

Node: EX6S27

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.45 ft
Warning Stage: 18.30 ft

Stage [ft]	Area [ac]	Area [ft2]
7.45	0.0003	13
18.30	0.0003	13
18.31	0.0030	131

Comment: GUTTER INLET TYPE "V"

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-27

Node: EX6S28

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 32.85 ft
Warning Stage: 39.30 ft

Stage [ft]	Area [ac]	Area [ft2]
32.85	0.0003	13
39.30	0.0003	13
39.31	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-28

Node: EX6S29

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 26.95 ft
Warning Stage: 32.58 ft

Stage [ft]	Area [ac]	Area [ft2]
26.95	0.0003	13
32.58	0.0003	13
32.59	0.0030	131

Comment: DBI TYPE "B"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-29

Node: EX6S30

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 36.45 ft
Warning Stage: 41.40 ft

Stage [ft]	Area [ac]	Area [ft2]
36.45	0.0003	13
41.40	0.0003	13
41.41	0.0030	131

Comment: DBI TYPE "B"

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-30

Node: EX6S31

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 35.45 ft
Warning Stage: 40.51 ft

Stage [ft]	Area [ac]	Area [ft2]
35.45	0.0003	13
40.51	0.0003	13
40.52	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-32

Node: EX6S32

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 18.95 ft
Warning Stage: 26.57 ft

Stage [ft]	Area [ac]	Area [ft2]
18.95	0.0003	13
26.57	0.0003	13
26.58	0.0030	131

Comment: GUTTER INLET TYPE "V"

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-32

Node: EX6S33

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.45 ft
Warning Stage: 10.11 ft

Stage [ft]	Area [ac]	Area [ft2]
5.45	0.0003	13
10.11	0.0003	13
10.12	0.0030	131

Comment: DBI TYPE "D"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-33

Node: EX6S34

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft

Warning Stage: 9.70 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
9.70	0.0003	13
9.71	0.0030	131

Comment: DBI TYPE "D" ON "J" BOTTOM (60"x54")

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-34

Node: EX6S35

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 8.45 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
8.45	0.0003	13
8.46	0.0030	131

Comment: DBI TYPE "D" ON "J" BOTTOM (60" x 54")

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-35

Node: EX6S36

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.15 ft
Warning Stage: 10.92 ft

Stage [ft]	Area [ac]	Area [ft2]
4.15	0.0003	13
10.92	0.0003	13
10.93	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-36

Node: EX6S37

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.54 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
9.54	0.0003	13
9.55	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-37

Node: EX6S39

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.45 ft
Warning Stage: 9.11 ft

Stage [ft]	Area [ac]	Area [ft2]
2.45	0.0003	13
9.11	0.0003	13
9.12	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-39

Node: EX6S40

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.05 ft
Warning Stage: 9.65 ft

Stage [ft]	Area [ac]	Area [ft2]
5.05	0.0003	13
9.65	0.0003	13
9.66	0.0030	131

Comment: DBI TYPE D

FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-40

Node: EX6S41

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.05 ft
Warning Stage: 8.50 ft

Stage [ft]	Area [ac]	Area [ft2]
2.05	0.0003	13
8.50	0.0003	13
8.51	0.0030	131

Comment: BWI
FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-41

Node: EX6S42

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 8.45 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
8.45	0.0003	13
8.46	0.0030	131

Comment: DBI TYPE D

FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-42

Node: EX6S42A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 3.45 ft

Stage [ft]	Area [ac]	Area [ft2]
1.45	0.0003	13
3.45	0.0003	13

Comment: END OF FD NODE

Node: EX6S43

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.65 ft
Warning Stage: 12.51 ft

Stage [ft]	Area [ac]	Area [ft2]
5.65	0.0003	13
12.51	0.0003	13
12.52	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-43

Node: EX6S44

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.85 ft
Warning Stage: 11.33 ft

Stage [ft]	Area [ac]	Area [ft2]
4.85	0.0003	13
11.33	0.0003	13
11.34	0.0030	131

Comment: BWI on Bottom J (96" x 44")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-44

Node: EX6S45

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.45 ft
Warning Stage: 11.01 ft

Stage [ft]	Area [ac]	Area [ft2]
3.45	0.0003	13
11.01	0.0003	13

Comment: MH TYPE J-7 (72" x 42")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-45

Node: EX6S51

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 5.35 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
5.35	0.0003	13
5.36	0.0030	131

Comment: DBI TYPE "D"

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-51

Node: EX6S51A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 6.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.45	0.0003	13
6.00	0.0003	13

Comment: U/S FD NODE

Node: EX6S53

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.45 ft
Warning Stage: 9.57 ft

Stage [ft]	Area [ac]	Area [ft2]
3.45	0.0003	13
9.57	0.0003	13
9.58	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-53

Node: EX6S55

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.95 ft
Warning Stage: 22.61 ft

Stage [ft]	Area [ac]	Area [ft2]
15.95	0.0003	13
22.61	0.0003	13
22.62	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-55

Node: EX6S56

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.55 ft
Warning Stage: 19.68 ft

Stage [ft]	Area [ac]	Area [ft2]
13.55	0.0003	13
19.68	0.0003	13
19.69	0.0030	131

Comment: DBI TYPE "B"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-56

Node: EX6S57

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 21.95 ft
Warning Stage: 30.41 ft

Stage [ft]	Area [ac]	Area [ft2]
21.95	0.0003	13
30.41	0.0003	13
30.42	0.0030	131

Comment: DBI TYPE "B"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-57

Node: EX6S58

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.05 ft
Warning Stage: 34.05 ft

Stage [ft]	Area [ac]	Area [ft2]
24.05	0.0003	13
34.05	0.0003	13
34.06	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-58

Node: EX6S59

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.45 ft

Warning Stage: 32.05 ft

Stage [ft]	Area [ac]	Area [ft2]
25.45	0.0003	13
32.05	0.0003	13
32.06	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-59

Node: EX6S60

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.15 ft
Warning Stage: 33.39 ft

Stage [ft]	Area [ac]	Area [ft2]
25.15	0.0003	13
33.39	0.0003	13

Comment: MH TYPE "J-7" (5' ALT. A)

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-60

Node: EX6S61

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 26.25 ft
Warning Stage: 33.33 ft

Stage [ft]	Area [ac]	Area [ft2]
26.25	0.0003	13
32.33	0.0003	13
32.34	0.0030	131

Comment: DBI TYPE "B"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-61

Node: EX6S62

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.55 ft
Warning Stage: 6.95 ft

Stage [ft]	Area [ac]	Area [ft2]
1.55	0.0003	13
6.95	0.0003	13
6.96	0.0030	131

Comment: DBI TYPE "D"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-62

Node: EX6S62A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 6.31 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0003	13
6.31	0.0003	13
6.32	0.0030	131

Comment: SHOULDER GUTTER TYPE "S" ON "J" BOTTOM (72" x 48")

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-62A

Node: EX6S63

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.75 ft
Warning Stage: 8.34 ft

Stage [ft]	Area [ac]	Area [ft2]
2.75	0.0003	13
8.34	0.0003	13

Comment: MH TYPE "J" (48"x78")

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-63

Node: EX6S64

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.61 ft
Warning Stage: 8.45 ft

Stage [ft]	Area [ac]	Area [ft2]
2.61	0.0003	13
8.45	0.0003	13

Comment: MH TYPE "J" (96" x 60")

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-64

Node: EX6S65C

Scenario: Icpr3
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.05	0.0003	13
7.45	0.0003	13
7.46	0.0030	131

Comment: CHAMBER "C" OF 2S65

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-65

Node: EX6S70

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 14.25 ft
Warning Stage: 21.22 ft

Stage [ft]	Area [ac]	Area [ft2]
14.25	0.0003	13
21.22	0.0003	13
21.23	0.0030	131

Comment: GUTTER INLET TYPE "V"

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-70

Node: EX6S71

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.35 ft
Warning Stage: 25.66 ft

Stage [ft]	Area [ac]	Area [ft2]
17.35	0.0003	13
25.66	0.0003	13

Comment: MH TYPE "J-7" (5' ALT. A)

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-71

Node: EX6S72

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 27.45 ft
Warning Stage: 34.10 ft

Stage [ft]	Area [ac]	Area [ft2]
27.45	0.0003	13
34.10	0.0003	13
34.11	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-72

Node: EX6S74

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 22.15 ft
Warning Stage: 23.65 ft

Stage [ft]	Area [ac]	Area [ft2]
22.15	0.0003	13
23.65	0.0003	13
23.66	0.0030	131

Comment: BARRIER WALL INLET

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-74

Node: EX6S75

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.25 ft
Warning Stage: 22.84 ft

Stage [ft]	Area [ac]	Area [ft2]
16.25	0.0003	13
22.84	0.0003	13
22.85	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-75

Node: EX6S75A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.75 ft
Warning Stage: 22.72 ft

Stage [ft]	Area [ac]	Area [ft2]
15.75	0.0003	13
22.72	0.0003	13
22.73	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-75A

Node: EX6S75B

Scenario: Icpr3

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.45 ft
Warning Stage: 22.83 ft

Stage [ft]	Area [ac]	Area [ft2]
16.45	0.0003	13
22.83	0.0003	13
22.84	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-75B

Node: EX6S76

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.45 ft
Warning Stage: 24.27 ft

Stage [ft]	Area [ac]	Area [ft2]
17.45	0.0003	13
24.27	0.0003	13
24.28	0.0030	131

Comment: GUTTER INLET TYPE "S"

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-76

Node: EX6S77

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.95 ft
Warning Stage: 27.93 ft

Stage [ft]	Area [ac]	Area [ft2]
20.95	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
27.93	0.0003	13
27.94	0.0030	131

Comment: GUTTER TYPE "S" ON BOTTOM "J" (78" x 48")

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-77

Node: EX6S77A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.15 ft
Warning Stage: 32.32 ft

Stage [ft]	Area [ac]	Area [ft2]
25.15	0.0003	13
32.32	0.0003	13
32.33	0.0030	131

Comment: GUTTER TYPE "S" ON BOTTOM "J" (78" x 48")

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-77A

Node: EX6S78

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 30.55 ft
Warning Stage: 36.81 ft

Stage [ft]	Area [ac]	Area [ft2]
30.55	0.0003	13
36.81	0.0003	13
36.82	0.0030	131

Comment: GUTTER TYPE "S"

FROM FPID 249035-1-52-01

SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-78

Node: EX6S78A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 33.45 ft
Warning Stage: 39.68 ft

Stage [ft]	Area [ac]	Area [ft2]
33.45	0.0003	13
39.68	0.0003	13
39.69	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-78A

Node: EX6S79

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.49 ft

Stage [ft]	Area [ac]	Area [ft2]
0.35	0.0003	13
9.49	0.0003	13
9.50	0.0030	131

Comment: CURB INLET, TYPE "P-5"

FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-79

Node: EX6S83

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 8.61 ft

Stage [ft]	Area [ac]	Area [ft2]
0.15	0.0003	13
8.61	0.0003	13
8.62	0.0030	131

Comment: CURB INLET, TYPE "P-6"

FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-83

Node: EX6S84

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 10.83 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.05	0.0003	13
10.83	0.0003	13

Comment: EXISTING MH (48"x78")

FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-84

Node: EX6S85

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.45 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.85	0.0003	13
9.45	0.0003	13

Comment: MH (48"x78")

FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-85

Node: EX6S86

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.55	0.0003	13
9.00	0.0003	13
9.01	0.0030	131

Comment: DBI TYPE "D"

WARNING STAGE TAKEN FROM DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-86

Node: EX6S87B

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.45 ft
Warning Stage: 8.95 ft

Stage [ft]	Area [ac]	Area [ft2]
3.45	0.0003	13
8.95	0.0003	13
8.96	0.0030	131

Comment: DBI TYPE "D"

FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-87B

Node: EXCS6S65A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.05	0.0003	13
7.45	0.0003	13

Comment: CHAMBER "A" OF EX6S65

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-65

Node: EXCS6S65B

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.45 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.05	0.0003	13
7.45	0.0003	13
7.46	0.0030	131

Comment: CHAMBER "B" OF EX6S65

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-65

Node: O601

Scenario: Icpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 3.61 ft
Boundary Stage: LAKE

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.45
0	0	0	999.0000	1.45

Comment:

Node: POND 6W1

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.45 ft
Warning Stage: 9.45 ft

Stage [ft]	Area [ac]	Area [ft2]
2.45	0.2900	12632
3.45	0.3400	14810
3.55	0.3400	14810
4.45	0.3800	16553
5.45	0.4300	18731
6.45	0.4800	20909
7.45	0.5300	23087
8.45	0.5800	25265
9.45	0.6300	27443

Comment: POND A

REGRADED

Node: POND 6W2

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0000	0

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.0300	1307
3.55	0.0500	2178
5.00	0.0900	3920
6.00	0.1200	5227
7.00	0.1600	6970
8.00	0.2000	8712
9.00	0.2400	10454

Comment: DBI TYPE "D"

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-15

POND D REGRADED

Node: PR6S08

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 19.65 ft
Warning Stage: 26.77 ft

Stage [ft]	Area [ac]	Area [ft2]
19.65	0.0003	13
26.77	0.0003	13
26.78	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-08

Node: PR6S21

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.45	0.0003	13
9.00	0.0003	13

Comment: PR FD NODE

Node: PR6S46

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.25 ft
Warning Stage: 9.94 ft

Stage [ft]	Area [ac]	Area [ft2]
4.25	0.0003	13
9.94	0.0003	13
9.95	0.0030	131

Comment: BWI ON BOTTOM "J" (84" X 48")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-46

Node: PR6S46A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 6.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.45	0.0003	13
6.00	0.0003	13

Comment: PR UPSTREAM NODE OF FD

Node: PR6S46A1

Scenario: Icpr3
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 6.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.41	0.0003	13
6.00	0.0003	13

Comment: PR DOWNSTREAM NODE OF FD

Node: PR6S48

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 8.82 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
8.82	0.0003	13
8.83	0.0030	131

Comment: BWI ON BOTTOM "J" (60" x 54")

FROM FPID 249035-1-52-01
SEGMENT 1

AS-BUILT STRUCTURE NUMBER: 2S-48

Node: PR6S50

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 7.87 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.75	0.0003	13
7.87	0.0003	13
7.88	0.0030	131

Comment: BWI

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-50

Node: PR6S56A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 20.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.45	0.0003	13
20.00	0.0003	13

Comment: PR FD NODE

Node: PR6S68

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.75 ft
Warning Stage: 9.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.75	0.0003	13
9.00	0.0003	13
9.10	0.0030	131

Comment: DBI TYPE "B"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-68

Node: PR6S69

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.65 ft

Warning Stage: 15.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.65	0.0003	13
15.00	0.0003	13
15.01	0.0030	131

Comment: DBI TYPE "V"

WARNING STAGE TAKEN AT DITCH TOP

FROM FPID 249035-1-52-01
SEGMENT 3

AS-BUILT STRUCTURE NUMBER: 2S-69

Node: PR6S81

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.65 ft
Warning Stage: 9.39 ft

Stage [ft]	Area [ac]	Area [ft2]
2.65	0.0003	13
9.39	0.0003	13
9.40	0.0030	131

Comment: TYPE P-5

FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-81

Node: PR6S82

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 8.61 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.05	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
8.61	0.0003	13
8.62	0.0030	131

Comment: INLET TYPE "P-6"

FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-82

Node: PR6S87

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.84 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.55	0.0003	13
9.84	0.0003	13

Comment: MH TYPE "J-7" (5' ALT. B)

FROM FPID 249035-1-52-01
SEGMENT 2

AS-BUILT STRUCTURE NUMBER: 2S-87

Node: PR6S87A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 9.65 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.65	0.0003	13
9.65	0.0003	13

Comment: MH TYPE "P-7" (4' ALT. A)

Node: PR6S87A1

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.45 ft
Warning Stage: 6.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0003	13
6.00	0.0003	13

Comment: PR NODE

Node: PRSWALE 6E2

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.73 ft
Warning Stage: 6.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.73	0.0003	13
6.00	0.0003	13

Comment: PR NODE DOWNSTREAM OF SWALE

Node: SWALE 6E1

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.45 ft
Warning Stage: 6.45 ft

Stage [ft]	Area [ac]	Area [ft2]
2.45	0.0000	0
3.45	0.0100	436
3.55	0.0500	2178
4.45	0.0900	3920
5.45	0.1200	5227
6.45	0.1600	6970

Comment: POND B
REGRADED AS SWALE

Pipe Link: CH6_1+B_S79		Upstream		Downstream	
Scenario:	Icpr3	Invert:	2.45 ft	Invert:	2.35 ft
From Node:	POND 6W1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S79	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	36.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Channel Link: CH6_1+SEC1		Upstream		Downstream	
Scenario:	Icpr3	Invert:	10.65 ft	Invert:	5.50 ft
From Node:	CH6_1+A	Manning's N:	0.0160	Manning's N:	0.0160
To Node:	POND 6W1	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	300.00 ft	Left Slope:	6.000 (h:v)	Left Slope:	6.000 (h:v)
Contraction Coef:	0.10	Right Slope:	2.000 (h:v)	Right Slope:	2.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: CONCRETE PAVED DITCH CONNECTS INTO POND A

SWALE A

Pipe Link: CH6_2+B_S50		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.45 ft	Invert:	1.43 ft
From Node:	EX6S51	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR6S50	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	59.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE

Channel Link: CH6_2+SEC1		Upstream		Downstream	
Scenario:	Icpr3	Invert:	5.35 ft	Invert:	5.35 ft
From Node:	CH6_2+A	Manning's N:	0.0600	Manning's N:	0.0600
To Node:	EX6S51	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	4.30 ft	Bottom Width:	5.00 ft
Length:	80.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	4.000 (h:v)
Contraction Coef:	0.10	Right Slope:	2.000 (h:v)	Right Slope:	6.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0600	Manning's N:	0.0600
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0600	Manning's N:	0.0600

Comment: OPEN CHANNEL PARARELL TO RAMP "D"

Channel Link: CH6_3+SEC1		Upstream		Downstream	
Scenario:	Icpr3	Invert:	24.85 ft	Invert:	19.67 ft
From Node:	CH6_3+A	Manning's N:	0.0600	Manning's N:	0.0600
To Node:	EX6S56	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.85 ft	Bottom Width:	6.00 ft
Length:	100.00 ft	Left Slope:	6.000 (h:v)	Left Slope:	6.000 (h:v)
Contraction Coef:	0.10	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	

Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0600	Manning's N:	0.0600
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0600	Manning's N:	0.0600

Comment: OPEN CHANNEL BETWEEN STRUCTURE 2S24 AND 2S56

Weir Link: CH6_4+A_WEIR

Scenario:	Icpr3	Bottom Clip	
From Node:	CH6_5+B	Default:	0.00 ft
To Node:	CH6_4+A	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	14.95 ft	Discharge Coefficients	
Control Elevation:	14.95 ft	Weir Default:	3.200
Max Depth:	9999.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	21.30 ft	Orifice Table:	
Left Slope:	6.000 (h:v)		
Right Slope:	4.000 (h:v)		

Comment:

Channel Link: CH6_4+SEC1

		Upstream		Downstream	
Scenario:	Icpr3	Invert:	21.22 ft	Invert:	13.78 ft
From Node:	CH6_4+A	Manning's N:	0.0600	Manning's N:	0.0600
To Node:	CH6_4+B	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	200.00 ft	Left Slope:	6.000 (h:v)	Left Slope:	6.000 (h:v)
Contraction Coef:	0.10	Right Slope:	4.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0600	Manning's N:	0.0600
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	

	Manning's N:	0.0600	Manning's N: 0.0600

Comment:

Channel Link: CH6_5+SEC1		Upstream		Downstream	
Scenario:	Icpr3	Invert:	13.78 ft	Invert:	7.79 ft
From Node:	CH6_5+A	Manning's N:	0.0600	Manning's N:	0.0600
To Node:	CH6_5+B	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	300.00 ft	Left Slope:	6.000 (h:v)	Left Slope:	6.000 (h:v)
Contraction Coef:	0.10	Right Slope:	6.000 (h:v)	Right Slope:	4.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0600	Manning's N:	0.0600
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0600	Manning's N:	0.0600

Comment:

Weir Link: CS6S65_WEIR1			
Scenario:	Icpr3	Bottom Clip	
From Node:	EXCS6S65A	Default:	0.00 ft
To Node:	EXCS6S65B	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	-2.05 ft	Discharge Coefficients	
Control Elevation:	-2.05 ft	Weir Default:	3.200
Max Depth:	2.00 ft	Weir Table:	
Max Width:	6.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Weir Link: CS6S65_WEIR2			
Scenario:	Icpr3	Bottom Clip	

From Node:	EXCS6S65B
To Node:	EX6S65C
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	3.55 ft
Control Elevation:	3.55 ft
Max Depth:	2.30 ft
Max Width:	6.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: EX6S01_S33		Upstream		Downstream	
Scenario:	Icpr3	Invert:	9.65 ft	Invert:	7.45 ft
From Node:	EX6S01	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S33	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	47.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S03_CH6_1+A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	11.45 ft	Invert:	10.65 ft
From Node:	EX6S03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH6_1+A	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	9.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S04_S43		Upstream		Downstream	
Scenario:	Icpr3	Invert:	8.95 ft	Invert:	7.35 ft
From Node:	EX6S04	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S43	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	28.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S07_P6W		Upstream		Downstream	
Scenario:	Icpr3	Invert:	18.45 ft	Invert:	5.50 ft
From Node:	EX6S07	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 6W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	38.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 18" Pipe D/S of 2S-07
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S09_S08		Upstream		Downstream	
Scenario:	Icpr3	Invert:	23.45 ft	Invert:	21.65 ft
From Node:	EX6S09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR6S08	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	42.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S10_S09		Upstream		Downstream	
Scenario:	Icpr3	Invert:	25.25 ft	Invert:	23.45 ft
From Node:	EX6S10	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S09	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	70.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S11_S10		Upstream		Downstream	
Scenario:	Icpr3	Invert:	25.45 ft	Invert:	25.25 ft
From Node:	EX6S11	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S10	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	5.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S12_S11		Upstream		Downstream	
Scenario:	Icpr3	Invert:	26.45 ft	Invert:	25.45 ft
From Node:	EX6S12	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S11	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S14_P6W		Upstream		Downstream	
Scenario:	Icpr3	Invert:	24.45 ft	Invert:	2.45 ft
From Node:	EX6S14	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 6W1	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	59.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 18" Pipe D/S of 2S-14
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S17_S15		Upstream		Downstream	
Scenario:	Icpr3	Invert:	29.95 ft	Invert:	6.45 ft
From Node:	EX6S17	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 6W2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	21.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 16" pipe D/S of 2S-17
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S18_S19		Upstream		Downstream	
Scenario:	Icpr3	Invert:	30.45 ft	Invert:	2.45 ft
From Node:	EX6S18	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S19	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.72 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 16" pipe D/S of 2S-18
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S19_S64		Upstream		Downstream	
Scenario:	Icpr3	Invert:	3.05 ft	Invert:	2.95 ft
From Node:	EX6S19	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S64	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	18.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S20_S17		Upstream		Downstream	
Scenario:	Icpr3	Invert:	30.95 ft	Invert:	30.45 ft
From Node:	EX6S20	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S17	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	76.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 18" pipe between 2S-20 and 2S-17
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S22_S23		Upstream		Downstream	
Scenario:	Icpr3	Invert:	31.85 ft	Invert:	6.45 ft
From Node:	EX6S22	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S23	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	25.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 16" pipe D/S of 2S-22
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S23A_S23		Upstream		Downstream	
Scenario:	Icpr3	Invert:	6.45 ft	Invert:	5.45 ft
From Node:	EX6S23A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S23	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	145.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S23B_S23A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	33.35 ft	Invert:	9.25 ft
From Node:	EX6S23B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S23A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	25.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 16" Pipe D/S of 2S-23A
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S23_S19		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	EX6S23	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S19	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	175.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: FD
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S24_CH6_3+A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	24.95 ft	Invert:	24.85 ft
From Node:	EX6S24	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH6_3+A	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	8.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S25_S24		Upstream		Downstream	
Scenario:	Icpr3	Invert:	32.45 ft	Invert:	31.85 ft
From Node:	EX6S25	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S24	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	33.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S26_S27		Upstream		Downstream	
Scenario:	Icpr3	Invert:	34.45 ft	Invert:	11.85 ft
From Node:	EX6S26	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S27	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	22.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 16" pipe D/S of 2S-26
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S27_6S23A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	9.45 ft	Invert:	9.15 ft
From Node:	EX6S27	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S23A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	146.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S28_S25		Upstream		Downstream	
Scenario:	Icpr3	Invert:	34.85 ft	Invert:	33.95 ft
From Node:	EX6S28	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S25	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	97.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S29_S61		Upstream		Downstream	
Scenario:	Icpr3	Invert:	28.95 ft	Invert:	28.25 ft
From Node:	EX6S29	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S61	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	142.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S30_S29		Upstream		Downstream	
Scenario:	Icpr3	Invert:	36.45 ft	Invert:	29.05 ft
From Node:	EX6S30	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S29	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 16" pipe D/S of 2S-30
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S31_S32		Upstream		Downstream	
Scenario:	Icpr3	Invert:	35.45 ft	Invert:	21.05 ft
From Node:	EX6S31	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S32	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	14.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 16" pipe D/S of 2S-31
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S32_S71		Upstream		Downstream	
Scenario:	Icpr3	Invert:	20.95 ft	Invert:	19.35 ft
From Node:	EX6S32	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S71	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S33_S34		Upstream		Downstream	
Scenario:	Icpr3	Invert:	7.45 ft	Invert:	4.95 ft
From Node:	EX6S33	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S34	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	57.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S34_S35		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	EX6S34	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S35	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	295.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: FD
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S35_S37		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	EX6S35	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S37	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	295.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: FD
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S36_S35		Upstream		Downstream	
Scenario:	Icpr3	Invert:	6.15 ft	Invert:	2.95 ft
From Node:	EX6S36	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S35	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	14.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S37-CH6_1+B		Upstream		Downstream	
Scenario:	Icpr3	Invert:	2.55 ft	Invert:	2.45 ft
From Node:	EX6S37	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 6W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	61.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S39_S37		Upstream		Downstream	
Scenario:	Icpr3	Invert:	4.45 ft	Invert:	3.95 ft
From Node:	EX6S39	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S37	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	96.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S40_S42		Upstream		Downstream	
Scenario:	Icpr3	Invert:	7.05 ft	Invert:	5.45 ft
From Node:	EX6S40	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S42	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	38.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 2

Pipe Link: EX6S41_S42		Upstream		Downstream	
Scenario:	Icpr3	Invert:	4.05 ft	Invert:	4.05 ft
From Node:	EX6S41	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S42	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	2.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 2

Pipe Link: EX6S42A_S42		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	EX6S42A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S42	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	108.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: FD
FROM FPID 249035-1-52-01 SEGMENT 2

Pipe Link: EX6S43_S44		Upstream		Downstream	
Scenario:	Icpr3	Invert:	7.35 ft	Invert:	6.15 ft
From Node:	EX6S43	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S44	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	195.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S44_S45		Upstream		Downstream	
Scenario:	Icpr3	Invert:	5.65 ft	Invert:	5.45 ft
From Node:	EX6S44	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S45	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	99.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S45_S46		Upstream		Downstream	
Scenario:	Icpr3	Invert:	5.45 ft	Invert:	4.25 ft
From Node:	EX6S45	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR6S46	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	82.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S51A_EX6S51		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	EX6S51A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S51	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 24" FD
FROM FPID 249035-1-52-01 SEGMENT 2

Pipe Link: EX6S53_CH6_2+A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	5.45 ft	Invert:	5.35 ft
From Node:	EX6S53	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH6_2+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: FROM FPID 249035-1-52-01
SEGMENT 3

Pipe Link: EX6S55_S56		Upstream		Downstream	
Scenario:	Icpr3	Invert:	17.95 ft	Invert:	15.55 ft
From Node:	EX6S55	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S56	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	87.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S56_56A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	13.22 ft	Invert:	10.00 ft
From Node:	EX6S56	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR6S56A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 24" PIPE

Pipe Link: EX6S57_S56		Upstream		Downstream	
Scenario:	Icpr3	Invert:	23.95 ft	Invert:	15.55 ft
From Node:	EX6S57	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S56	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	260.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S58_S57		Upstream		Downstream	
Scenario:	Icpr3	Invert:	26.05 ft	Invert:	25.95 ft
From Node:	EX6S58	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S57	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	12.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S59_S60		Upstream		Downstream	
Scenario:	Icpr3	Invert:	27.45 ft	Invert:	27.15 ft
From Node:	EX6S59	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S60	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	38.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S60_S57		Upstream		Downstream	
Scenario:	Icpr3	Invert:	27.95 ft	Invert:	23.95 ft
From Node:	EX6S60	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S57	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	103.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S61_S60		Upstream		Downstream	
Scenario:	Icpr3	Invert:	28.25 ft	Invert:	27.95 ft
From Node:	EX6S61	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S60	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	38.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S62A_S65A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.45 ft	Invert:	1.35 ft
From Node:	EX6S62A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EXCS6S65A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	12.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S62_S62A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	3.55 ft	Invert:	1.45 ft
From Node:	EX6S62	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S62A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	48.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S63_S64		Upstream		Downstream	
Scenario:	Icpr3	Invert:	3.55 ft	Invert:	2.95 ft
From Node:	EX6S63	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S64	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	58.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S64_S65A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	2.95 ft	Invert:	3.00 ft
From Node:	EX6S64	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EXCS6S65A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	70.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING SOUTHERN PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S65C_0601		Upstream		Downstream	
Scenario:	Icpr3	Invert:	0.45 ft	Invert:	0.35 ft
From Node:	EX6S65C	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	O601	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	21.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: PIPE GOES INTO THE LAKE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S68_S23		Upstream		Downstream	
Scenario:	Icpr3	Invert:	3.75 ft	Invert:	3.55 ft
From Node:	PR6S68	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S23	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	78.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Weir Link: EX6S68_WEIR			
Scenario:	Icpr3	Bottom Clip	
From Node:	CH6_4+B	Default:	0.00 ft
To Node:	PR6S68	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	7.79 ft	Discharge Coefficients	
Control Elevation:	7.79 ft	Weir Default:	3.200
Max Depth:	1.92 ft	Weir Table:	
Max Width:	3.25 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EX6S69_S27		Upstream		Downstream	
Scenario:	Icpr3	Invert:	9.65 ft	Invert:	9.45 ft
From Node:	PR6S69	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S27	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	61.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Weir Link: EX6S69_WEIR			
Scenario:	Icpr3	Bottom Clip	
From Node:	CH6_5+B	Default:	0.00 ft
To Node:	PR6S69	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	14.05 ft	Discharge Coefficients	
Control Elevation:	14.05 ft	Weir Default:	3.200
Max Depth:	1.92 ft	Weir Table:	
Max Width:	3.25 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EX6S70_S69		Upstream		Downstream	
Scenario:	Icpr3	Invert:	16.25 ft	Invert:	9.65 ft
From Node:	EX6S70	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR6S69	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	209.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Weir Link: EX6S70_WEIR

Scenario:	Icpr3	**Bottom Clip**	
From Node:	CH6_5+A	Default:	0.00 ft
To Node:	EX6S70	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	21.22 ft	**Discharge Coefficients**	
Control Elevation:	21.22 ft	Weir Default:	3.200
Max Depth:	1.92 ft	Weir Table:	
Max Width:	3.25 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment: 50% BLOGGED

Pipe Link: EX6S71_S70

		Upstream		Downstream	
Scenario:	Icpr3	Invert:	19.35 ft	Invert:	16.25 ft
From Node:	EX6S71	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S70	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	182.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S72_S12 | Upstream | Downstream

Scenario:	Icpr3	Invert:	29.35 ft	Invert:	26.45 ft
From Node:	EX6S72	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S12	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	189.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: EX6S74_4+A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	22.15 ft	Invert:	12.79 ft
From Node:	EX6S74	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CH6_4+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: 16" pipe D/S of 2S-74
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S75A_S70		Upstream		Downstream	
Scenario:	Icpr3	Invert:	17.75 ft	Invert:	16.25 ft
From Node:	EX6S75A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S70	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	36.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120

Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S75B_S75A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	18.45 ft	Invert:	17.75 ft
From Node:	EX6S75B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S75A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S75_S75A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	18.25 ft	Invert:	17.75 ft
From Node:	EX6S75	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S75A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	42.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S76_S71		Upstream		Downstream	
Scenario:	Icpr3	Invert:	19.45 ft	Invert:	19.35 ft
From Node:	EX6S76	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S71	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	21.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S77A_S77		Upstream		Downstream	
Scenario:	Icpr3	Invert:	27.15 ft	Invert:	22.95 ft
From Node:	EX6S77A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S77	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	143.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S77_S76		Upstream		Downstream	
Scenario:	Icpr3	Invert:	22.95 ft	Invert:	20.05 ft
From Node:	EX6S77	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S76	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	139.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S78A_S78		Upstream		Downstream	
Scenario:	Icpr3	Invert:	35.45 ft	Invert:	32.55 ft
From Node:	EX6S78A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S78	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	118.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S78_S77A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	32.55 ft	Invert:	27.15 ft
From Node:	EX6S78	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S77A	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	147.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Pipe Link: EX6S79_S83		Upstream		Downstream	
Scenario:	Icpr3	Invert:	2.35 ft	Invert:	2.15 ft
From Node:	EX6S79	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S83	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	173.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 2

Pipe Link: EX6S83_S85		Upstream		Downstream	
Scenario:	Icpr3	Invert:	2.15 ft	Invert:	1.15 ft
From Node:	EX6S83	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S85	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	90.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 2

Pipe Link: EX6S84_S63		Upstream		Downstream	
Scenario:	Icpr3	Invert:	3.62 ft	Invert:	3.55 ft
From Node:	EX6S84	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S63	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	39.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: CONST. SOLID PIPE (2-24"), EXISTING PIPE 23.0' AND PROPOSED 16.0'
FROM FPID 249035-1-52-01 SEGMENT 2

Pipe Link: EX6S85_S84		Upstream		Downstream	
Scenario:	Icpr3	Invert:	3.70 ft	Invert:	3.62 ft
From Node:	EX6S85	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S84	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	82.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: INCLUDES 61.0 L.F. OF EXISTING SOLID PIPE (2-24")
FROM FPID 249035-1-52-01 SEGMENT 2

Pipe Link: EX6S86_S85		Upstream		Downstream	
Scenario:	Icpr3	Invert:	3.75 ft	Invert:	3.70 ft
From Node:	EX6S86	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S85	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 2

Pipe Link: EX6S87B_S87A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	5.45 ft	Invert:	4.45 ft
From Node:	EX6S87B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR6S87A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	14.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01SEGMENT 2

Pipe Link: PR6S08_S46		Upstream		Downstream	
Scenario:	Icpr3	Invert:	5.15 ft	Invert:	4.45 ft
From Node:	PR6S08	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR6S46	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR6S15_S81		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.40 ft	Invert:	1.35 ft
From Node:	POND 6W2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR6S81	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	36.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 2 AND 3

Rating Curve Link: PR6S19_6GW4

Scenario: Icpr3
From Node: EX6S19
To Node: 6GW4
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR6S19_6GW4 / PR6S23_6GW4	1.45	EX6S19	1.45	EX6S19

Comment:

Rating Curve Link: PR6S21_6GW3

Scenario: Icpr3
From Node: PR6S21
To Node: 6GW3
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR6S21_6GW3 / PR6S56A_6GW3	1.45	PR6S21	1.45	PR6S21

Comment:

Pipe Link: PR6S21_S15		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.45 ft	Invert:	1.40 ft
From Node:	PR6S21	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 6W2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	20.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: FD
FROM FPID 249035-1-52-01 SEGMENT 3

Rating Curve Link: PR6S23_6GW4

Scenario: Icpr3
From Node: EX6S23
To Node: 6GW4
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR6S19_6GW4 / PR6S23_6GW4	1.45	EX6S23	1.45	EX6S23

Comment:

Rating Curve Link: PR6S34_6GW0

Scenario: Icpr3
From Node: EX6S34
To Node: 6GW0
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR6S34_6GW0 / PR6S35_6GW0	1.45	EX6S34	1.45	EX6S34

Comment:

Rating Curve Link: PR6S35_6GW0

Scenario: Icpr3
From Node: EX6S35
To Node: 6GW0
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR6S34_6GW0 / PR6S35_6GW0	1.45	EX6S35	1.45	EX6S35

Comment:

Rating Curve Link: PR6S35_6GW1

Scenario: Icpr3
From Node: EX6S35
To Node: 6GW1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR6S35_6GW1 / PR6S37_6GW1	1.45	EX6S35	1.45	EX6S35

Comment:

Rating Curve Link: PR6S37_6GW1

Scenario: Icpr3
From Node: EX6S37
To Node: 6GW1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR6S35_6GW1 / PR6S37_6GW1	1.45	EX6S37	1.45	EX6S37

Comment:

Rating Curve Link: PR6S42A_6GW1

Scenario: Icpr3
From Node: EX6S42A
To Node: 6GW1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR6S42_6GW1 / PR6S42A_6GW1	1.45	EX6S42A	1.45	EX6S42A

Comment:

Rating Curve Link: PR6S42_6GW1

Scenario: Icpr3
From Node: EX6S42
To Node: 6GW1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR6S42_6GW1 / PR6S42A_6GW1	1.45	EX6S42	1.45	EX6S42

Comment:

Rating Curve Link: PR6S46A1_6GW2

Scenario: Icpr3
From Node: PR6S46A1
To Node: 6GW2
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR6S46A_6GW2 / PR6S46A1_6GW2	1.45	PR6S46A1	1.45	PR6S46A1

Comment:

Pipe Link: PR6S46A1_PR6S87A

		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.41 ft	Invert:	1.40 ft
From Node:	PR6S46A1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR6S87A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 24" PIPE

Rating Curve Link: PR6S46A_6GW2

Scenario: Icpr3

From Node: PR6S46A
To Node: 6GW2
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR6S46A_6GW2 / PR6S46A1_6GW2	1.45	PR6S46A	1.45	PR6S46A

Comment:

Pipe Link: PR6S46A_PR6S46A1		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	PR6S46A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR6S46A1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	300.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 36" FD

Pipe Link: PR6S46_S48		Upstream		Downstream	
Scenario:	Icpr3	Invert:	4.25 ft	Invert:	2.69 ft
From Node:	PR6S46	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR6S48	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	195.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: PR 24" PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR6S48_S87		Upstream		Downstream	
Scenario:	Icpr3	Invert:	2.69 ft	Invert:	1.49 ft
From Node:	PR6S48	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR6S87	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	150.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: PR 24" PIPE
FROM FPID 249035-1-52-01 SEGMENT 1 AND 2

Pipe Link: PR6S48_SWALE6E1		Upstream		Downstream	
Scenario:	Icpr3	Invert:	5.50 ft	Invert:	5.00 ft
From Node:	PR6S48	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 6E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	13.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: PR 18" PIPE
FROM FPID 249035-1-52-01 SEGMENT 1

Pipe Link: PR6S50_S15		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.43 ft	Invert:	1.40 ft
From Node:	PR6S50	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 6W2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	87.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 3

Rating Curve Link: PR6S51A_6GW3

Scenario: Icpr3
From Node: EX6S51A
To Node: 6GW3
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR6S51_6GW3 / PR6S51A_6GW3	1.45	EX6S51A	1.45	EX6S51A

Comment:

Rating Curve Link: PR6S51_6GW3

Scenario: Icpr3
From Node: EX6S51
To Node: 6GW3
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR6S51_6GW3 / PR6S51A_6GW3	1.45	EX6S51	1.45	EX6S51

Comment:

Rating Curve Link: PR6S56A_6GW3

Scenario: Icpr3
From Node: PR6S56A
To Node: 6GW3
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR6S21_6GW3 / PR6S56A_6GW3	1.45	PR6S56A	1.45	PR6S56A

Comment:

Pipe Link: PR6S56A_S21		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.45 ft	Invert:	1.45 ft
From Node:	PR6S56A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR6S21	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	410.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: PR 36" FD

Pipe Link: PR6S81_S82		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.35 ft	Invert:	1.14 ft
From Node:	PR6S81	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR6S82	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	151.50 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: PR 24" PIPE
FROM FPID 249035-1-52-01 SEGMENT 2

Pipe Link: PR6S82_S84		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.14 ft	Invert:	0.95 ft
From Node:	PR6S82	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S84	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	95.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 2

Pipe Link: PR6S87A1_PR6S87		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.40 ft	Invert:	1.35 ft
From Node:	PR6S87A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR6S87	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	59.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 24" PIPE

Pipe Link: PR6S87A_S85		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.25 ft	Invert:	1.15 ft
From Node:	PR6S87A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX6S85	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	37.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 2

Pipe Link: PR6S87_S87A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.35 ft	Invert:	1.25 ft
From Node:	PR6S87	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR6S87A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	55.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: SOLID PIPE
FROM FPID 249035-1-52-01 SEGMENT 2

Pipe Link: PRSWALE 6E2_PR6S46A1		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.73 ft	Invert:	1.45 ft
From Node:	PRSWALE 6E2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR6S46A1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	17.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 24" PIPE

Pipe Link: SWALE 6E1_PRSWALE 6E2		Upstream		Downstream	
Scenario:	Icpr3	Invert:	2.45 ft	Invert:	1.73 ft
From Node:	SWALE 6E1	Manning's N:	0.0120	Manning's N:	0.0120

		Geometry: Circular		Geometry: Circular	
To Node:	PRSWALE 6E2	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	77.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment: PR 24" PIPE

Rating Curve: PR6S19_6GW4 / PR6S23_6GW4

Scenario: Icpr3
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.20	4.51
1.45	8.45	5.96
2.94	2.94	0.00
2.94	4.20	2.14
2.94	8.45	5.96

Comment:

Rating Curve: PR6S21_6GW3 / PR6S56A_6GW3

Scenario: Icpr3
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.20	11.19
1.45	9.00	14.78
2.94	2.94	0.00
2.94	4.20	5.31
2.94	9.00	14.78

Comment:

Rating Curve: PR6S34_6GW0 / PR6S35_6GW0

Scenario: Icpr3
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	9.51
1.45	12.45	10.46
2.94	2.94	0.00
2.94	4.65	5.26
2.94	12.45	10.46

Comment:

Rating Curve: PR6S35_6GW1 / PR6S37_6GW1

Scenario: Icpr3
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	9.51
1.45	12.45	10.46
2.94	2.94	0.00
2.94	4.65	5.26
2.94	12.45	10.46

Comment:

Rating Curve: PR6S42_6GW1 / PR6S42A_6GW1

Scenario: Icpr3
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	3.41
1.45	8.45	3.75
2.94	2.94	0.00
2.94	4.65	1.89
2.94	8.45	3.75

Comment:

Rating Curve: PR6S46A_6GW2 / PR6S46A1_6GW2

Scenario: Icpr3
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.65	9.96
1.45	6.00	10.95
2.94	2.94	0.00
2.94	4.65	5.51
2.94	6.00	10.36

Comment:

Rating Curve: PR6S51_6GW3 / PR6S51A_6GW3

Scenario: Icpr3
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.45	1.45	0.00
1.45	4.20	1.19
1.45	7.05	1.58
2.94	2.94	0.00
2.94	4.20	0.57
2.94	7.05	1.58

Comment:

Simulation: 100YR-1HR

Scenario: Icpr3
Run Date/Time: 8/20/2019 11:32:40 AM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 5.10 in
Storm Duration: 1.0000 hr
Dflt Damping (1D): 0.0050 ft

Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100YR-24HR

Scenario: Icpr3
Run Date/Time: 8/20/2019 11:33:10 AM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Lookup Tables

Boundary Stage Set: 100y-24hr

Reference ET Folder:		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	
		Roughness Set:	
		Crop Coef Set:	
		Fillable Porosity Set:	
		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	13.44 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100YR-8HR

Scenario:	Icpr3
Run Date/Time:	8/20/2019 11:34:18 AM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000

Max Calculation Time: 60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 100y-8hr
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-8
Rainfall Amount: 9.60 in
Storm Duration: 8.0000 hr

Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-1HR

Scenario: Icpr3
Run Date/Time: 8/20/2019 11:35:06 AM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:		Boundary Stage Set:	
Reference ET Folder:		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	
		Roughness Set:	
		Crop Coef Set:	
		Fillable Porosity Set:	
		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.55 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-24HR

Scenario:	Icpr3
Run Date/Time:	8/20/2019 11:35:30 AM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

Hydrology [sec]	Surface Hydraulics	Groundwater [sec]

		[sec]	
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 10y-24hr
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-24

		Rainfall Amount:	8.88 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-8HR

Scenario: Icpr3
Run Date/Time: 8/20/2019 11:36:20 AM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:	
Reference ET Folder:	
Unit Hydrograph Folder:	

Lookup Tables

Boundary Stage Set:	10y-8hr
Extern Hydrograph Set:	
Curve Number Set:	
Green-Ampt Set:	
Vertical Layers Set:	
Impervious Set:	
Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	6.80 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25YR-72HR

Scenario:	Icpr3
Run Date/Time:	8/20/2019 11:36:57 AM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 25y-72hr
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global

Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	14.00 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Node Max Conditions [Icpr3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
6GW0	100YR-1HR	3.61	1.45	0.0000	10.31	0.00	0
6GW1	100YR-1HR	3.61	1.45	0.0000	13.69	0.00	0
6GW2	100YR-1HR	7.45	1.45	0.0000	20.70	0.00	0
6GW3	100YR-1HR	3.61	1.45	0.0000	27.32	0.00	0
6GW4	100YR-1HR	3.61	1.45	0.0000	11.21	0.00	0
CH6_1+A	100YR-1HR	12.45	10.93	0.0001	4.78	4.78	1537
CH6_2+A	100YR-1HR	7.55	6.15	0.0003	4.78	4.77	717
CH6_3+A	100YR-1HR	27.26	25.18	0.0021	9.93	4.85	900
CH6_4+A	100YR-1HR	21.22	15.13	0.0006	5.49	5.49	113
CH6_4+B	100YR-1HR	13.78	8.45	0.0010	0.48	0.39	113
CH6_5+A	100YR-1HR	21.62	13.78	0.0000	0.00	0.00	113
CH6_5+B	100YR-1HR	17.05	12.55	0.0009	6.18	0.00	6891
EX6S01	100YR-1HR	14.19	10.07	0.0006	0.78	0.78	113
EX6S03	100YR-1HR	16.39	12.66	0.0009	4.79	4.78	113
EX6S04	100YR-1HR	16.29	9.90	0.0008	3.22	3.21	113
EX6S07	100YR-1HR	24.61	19.53	0.0009	4.79	4.78	113
EX6S09	100YR-1HR	27.93	25.23	0.0013	7.94	7.93	113
EX6S10	100YR-1HR	29.77	26.86	0.0010	6.94	6.92	113
EX6S11	100YR-1HR	29.78	26.87	0.0010	1.14	1.16	113
EX6S12	100YR-1HR	30.97	26.93	0.0007	1.02	1.02	153
EX6S14	100YR-1HR	31.48	25.59	0.0009	5.18	5.17	113
EX6S17	100YR-1HR	35.31	31.14	0.0013	6.51	6.50	113
EX6S18	100YR-1HR	35.67	31.06	0.0003	2.43	2.43	113
EX6S19	100YR-1HR	8.00	6.37	0.0014	27.45	27.42	375
EX6S20	100YR-1HR	35.45	32.26	0.0009	5.10	5.10	113
EX6S22	100YR-1HR	36.50	32.32	0.0012	2.04	2.88	113
EX6S23	100YR-1HR	10.09	8.45	0.0020	29.35	29.24	330
EX6S23A	100YR-1HR	14.83	10.93	0.0016	27.29	27.23	273
EX6S23B	100YR-1HR	37.55	33.80	0.0011	2.04	2.67	113
EX6S24	100YR-1HR	36.31	27.85	0.0088	4.86	9.93	113
EX6S25	100YR-1HR	38.60	33.49	0.0016	3.61	3.60	113
EX6S26	100YR-1HR	38.60	35.45	0.0012	5.49	5.49	113
EX6S27	100YR-1HR	18.30	13.36	0.0010	25.25	25.24	380
EX6S28	100YR-1HR	39.30	35.63	0.0007	2.20	2.19	113
EX6S29	100YR-1HR	32.58	30.69	0.0018	7.29	7.28	143
EX6S30	100YR-1HR	41.40	37.58	0.0010	5.33	5.33	113
EX6S31	100YR-1HR	40.51	36.64	0.0012	6.28	6.27	113
EX6S32	100YR-1HR	26.57	22.44	0.0016	6.27	6.27	113
EX6S33	100YR-1HR	10.11	7.87	0.0010	0.78	0.78	113
EX6S34	100YR-1HR	9.70	3.18	0.0007	5.16	5.13	340
EX6S35	100YR-1HR	8.45	3.19	0.0007	12.04	12.11	611
EX6S36	100YR-1HR	10.92	6.72	0.0006	1.73	1.72	113
EX6S37	100YR-1HR	9.54	3.51	0.0008	13.95	13.99	426
EX6S39	100YR-1HR	9.11	4.87	0.0005	0.71	0.71	113
EX6S40	100YR-1HR	9.65	5.05	0.0000	0.00	0.00	113
EX6S41	100YR-1HR	8.50	4.72	0.0006	1.80	1.80	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S42	100YR-1HR	8.45	2.82	0.0004	2.95	2.92	121
EX6S42A	100YR-1HR	3.45	2.81	0.0004	1.47	1.45	121
EX6S43	100YR-1HR	12.51	8.50	0.0013	4.00	4.00	177
EX6S44	100YR-1HR	11.33	8.21	0.0010	8.23	7.98	257
EX6S45	100YR-1HR	11.01	8.06	0.0023	7.98	7.83	193
EX6S51	100YR-1HR	5.35	5.73	0.0010	7.33	7.11	490
EX6S51A	100YR-1HR	6.00	5.72	0.0010	1.64	1.40	113
EX6S53	100YR-1HR	9.57	6.83	0.0009	4.79	4.78	113
EX6S55	100YR-1HR	22.61	18.90	0.0008	3.14	3.14	113
EX6S56	100YR-1HR	19.68	16.33	0.0011	22.02	21.96	338
EX6S57	100YR-1HR	30.41	26.05	0.0037	13.74	13.73	371
EX6S58	100YR-1HR	34.05	26.58	0.0007	1.10	1.10	113
EX6S59	100YR-1HR	32.05	29.91	0.0017	3.29	3.28	113
EX6S60	100YR-1HR	33.39	29.84	0.0034	11.96	11.96	159
EX6S61	100YR-1HR	33.33	29.95	0.0018	8.68	8.68	157
EX6S62	100YR-1HR	6.95	4.90	0.0016	1.78	0.15	113
EX6S62A	100YR-1HR	6.31	4.90	0.0007	2.82	2.73	113
EX6S63	100YR-1HR	8.34	5.41	0.0014	6.86	6.59	227
EX6S64	100YR-1HR	8.45	5.41	0.0020	22.83	22.49	248
EX6S65C	100YR-1HR	7.45	3.38	0.0013	23.94	23.95	113
EX6S70	100YR-1HR	21.22	18.98	0.0012	18.79	18.79	431
EX6S71	100YR-1HR	25.66	21.63	0.0016	15.26	15.26	250
EX6S72	100YR-1HR	34.10	29.86	0.0007	1.02	1.02	147
EX6S74	100YR-1HR	23.65	22.90	0.0004	2.59	2.59	113
EX6S75	100YR-1HR	22.84	19.02	0.0006	1.18	1.18	113
EX6S75A	100YR-1HR	22.72	19.01	0.0010	2.37	2.42	113
EX6S75B	100YR-1HR	22.83	19.01	0.0005	0.71	0.74	113
EX6S76	100YR-1HR	24.27	21.73	0.0013	9.00	9.00	134
EX6S77	100YR-1HR	27.93	24.64	0.0007	7.36	7.36	223
EX6S77A	100YR-1HR	32.32	28.55	0.0008	5.72	5.72	230
EX6S78	100YR-1HR	36.81	33.65	0.0012	4.00	3.99	212
EX6S78A	100YR-1HR	39.68	36.27	0.0007	2.43	2.43	113
EX6S79	100YR-1HR	9.49	5.07	0.0009	12.01	11.88	223
EX6S83	100YR-1HR	8.61	5.24	0.0008	11.45	11.33	293
EX6S84	100YR-1HR	10.83	5.41	0.0010	8.22	7.83	258
EX6S85	100YR-1HR	9.45	5.40	0.0023	10.52	10.08	298
EX6S86	100YR-1HR	9.00	5.40	0.0022	2.45	0.22	113
EX6S87B	100YR-1HR	8.95	5.98	0.0008	1.20	1.20	113
EXCS6S65A	100YR-1HR	7.45	4.88	0.0012	23.95	23.94	137
EXCS6S65B	100YR-1HR	7.45	4.71	0.0010	23.94	23.94	113
O601	100YR-1HR	3.61	1.45	0.0000	23.95	0.00	0
POND 6W1	100YR-1HR	9.45	5.05	0.0009	34.46	17.65	18859
POND 6W2	100YR-1HR	9.00	5.66	0.0010	15.46	14.33	4792
PR6S08	100YR-1HR	26.77	19.65	0.0228	9.97	25.82	113
PR6S21	100YR-1HR	9.00	5.62	0.0010	13.67	13.91	646
PR6S46	100YR-1HR	9.94	7.92	0.0228	25.82	18.78	459
PR6S46A	100YR-1HR	6.00	5.14	0.0010	10.35	10.32	463

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR6S46A1	100YR-1HR	6.00	5.22	0.0010	20.75	20.71	487
PR6S48	100YR-1HR	8.82	6.48	0.0098	21.15	21.06	358
PR6S50	100YR-1HR	7.87	5.70	0.0010	5.70	5.50	160
PR6S56A	100YR-1HR	20.00	5.66	0.0010	21.96	21.76	642
PR6S68	100YR-1HR	9.00	8.45	0.0037	4.24	0.81	113
PR6S69	100YR-1HR	15.00	14.13	0.0015	20.48	20.48	283
PR6S81	100YR-1HR	9.39	5.62	0.0070	5.78	12.74	189
PR6S82	100YR-1HR	8.61	5.51	0.0028	6.55	6.33	259
PR6S87	100YR-1HR	9.84	5.54	0.0016	18.99	18.75	277
PR6S87A	100YR-1HR	9.65	5.42	0.0015	19.93	19.69	175
PR6S87A1	100YR-1HR	6.00	1.45	0.0000	0.00	0.00	113
PRSWALE 6E2	100YR-1HR	6.00	5.30	0.0012	9.45	9.56	113
SWALE 6E1	100YR-1HR	6.45	5.46	0.0010	11.78	9.45	5251
6GW0	100YR-24HR	3.61	2.45	0.0005	2.84	0.02	0
6GW1	100YR-24HR	3.61	2.45	0.0005	3.60	0.09	0
6GW2	100YR-24HR	7.45	2.45	0.0005	8.14	0.00	0
6GW3	100YR-24HR	3.61	2.45	0.0005	7.37	0.00	0
6GW4	100YR-24HR	3.61	2.45	0.0005	5.48	0.01	0
CH6_1+A	100YR-24HR	12.45	10.74	0.0001	0.82	0.82	1535
CH6_2+A	100YR-24HR	7.55	5.71	0.0003	0.82	0.82	527
CH6_3+A	100YR-24HR	27.26	25.08	0.0021	9.93	2.59	812
CH6_4+A	100YR-24HR	21.22	15.02	0.0004	1.15	1.15	113
CH6_4+B	100YR-24HR	13.78	7.79	0.0000	0.00	0.00	113
CH6_5+A	100YR-24HR	21.62	14.12	0.0001	0.37	0.02	3816
CH6_5+B	100YR-24HR	17.05	14.12	0.0004	1.15	0.58	10948
EX6S01	100YR-24HR	14.19	9.81	0.0006	0.14	0.14	113
EX6S03	100YR-24HR	16.39	11.86	0.0008	0.82	0.82	113
EX6S04	100YR-24HR	16.29	9.29	0.0006	0.55	0.55	113
EX6S07	100YR-24HR	24.61	18.74	0.0010	0.82	0.82	113
EX6S09	100YR-24HR	27.93	24.04	0.0009	1.41	1.41	113
EX6S10	100YR-24HR	29.77	25.81	0.0010	1.24	1.24	113
EX6S11	100YR-24HR	29.78	25.81	0.0010	0.24	0.24	113
EX6S12	100YR-24HR	30.97	26.62	0.0009	0.18	0.18	113
EX6S14	100YR-24HR	31.48	24.74	0.0010	0.89	0.89	113
EX6S17	100YR-24HR	35.31	30.36	0.0002	1.12	1.12	113
EX6S18	100YR-24HR	35.67	30.70	0.0003	0.42	0.42	113
EX6S19	100YR-24HR	8.00	3.73	0.0007	3.49	3.49	191
EX6S20	100YR-24HR	35.45	31.42	0.0009	0.88	0.88	113
EX6S22	100YR-24HR	36.50	32.08	0.0003	0.35	0.35	113
EX6S23	100YR-24HR	10.09	3.75	0.0007	5.31	5.31	321
EX6S23A	100YR-24HR	14.83	7.54	0.0010	4.91	4.91	166
EX6S23B	100YR-24HR	37.55	33.58	0.0003	0.35	0.35	113
EX6S24	100YR-24HR	36.31	27.85	0.0088	0.84	9.93	113
EX6S25	100YR-24HR	38.60	32.84	0.0010	0.62	0.62	113
EX6S26	100YR-24HR	38.60	34.83	0.0007	0.95	0.95	113
EX6S27	100YR-24HR	18.30	10.50	0.0009	4.55	4.55	373

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S28	100YR-24HR	39.30	35.15	0.0004	0.38	0.38	113
EX6S29	100YR-24HR	32.58	29.57	0.0010	1.98	1.45	142
EX6S30	100YR-24HR	41.40	36.80	0.0010	0.92	1.67	113
EX6S31	100YR-24HR	40.51	35.85	0.0008	1.08	1.08	113
EX6S32	100YR-24HR	26.57	21.46	0.0010	1.08	1.08	113
EX6S33	100YR-24HR	10.11	7.61	0.0007	0.14	0.14	113
EX6S34	100YR-24HR	9.70	2.56	0.0005	1.42	1.41	330
EX6S35	100YR-24HR	8.45	2.56	0.0006	3.06	3.06	608
EX6S36	100YR-24HR	10.92	6.31	0.0010	0.30	0.30	113
EX6S37	100YR-24HR	9.54	2.56	0.0005	2.45	2.46	354
EX6S39	100YR-24HR	9.11	4.62	0.0005	0.12	0.12	113
EX6S40	100YR-24HR	9.65	5.05	0.0000	0.00	0.00	113
EX6S41	100YR-24HR	8.50	4.32	0.0003	0.31	0.31	113
EX6S42	100YR-24HR	8.45	2.52	0.0005	0.71	0.71	121
EX6S42A	100YR-24HR	3.45	2.52	0.0005	0.36	0.35	121
EX6S43	100YR-24HR	12.51	7.76	0.0006	0.69	0.69	155
EX6S44	100YR-24HR	11.33	6.21	0.0007	1.42	1.42	221
EX6S45	100YR-24HR	11.01	6.00	0.0023	2.64	1.42	178
EX6S51	100YR-24HR	5.35	2.83	0.0010	1.42	2.33	123
EX6S51A	100YR-24HR	6.00	2.82	0.0010	0.85	0.36	113
EX6S53	100YR-24HR	9.57	5.90	0.0008	0.82	0.82	113
EX6S55	100YR-24HR	22.61	18.30	0.0005	0.54	0.54	113
EX6S56	100YR-24HR	19.68	14.04	0.0011	3.91	3.91	282
EX6S57	100YR-24HR	30.41	24.67	0.0010	2.41	2.41	338
EX6S58	100YR-24HR	34.05	26.26	0.0006	0.19	0.19	113
EX6S59	100YR-24HR	32.05	28.61	0.0010	0.57	0.81	113
EX6S60	100YR-24HR	33.39	28.61	0.0010	2.14	2.07	155
EX6S61	100YR-24HR	33.33	28.84	0.0010	1.67	1.59	152
EX6S62	100YR-24HR	6.95	3.72	0.0006	0.10	0.03	113
EX6S62A	100YR-24HR	6.31	3.71	0.0010	0.51	0.88	113
EX6S63	100YR-24HR	8.34	3.71	0.0004	0.10	0.07	131
EX6S64	100YR-24HR	8.45	3.72	0.0010	0.79	0.82	211
EX6S65C	100YR-24HR	7.45	2.45	0.0008	1.22	1.28	113
EX6S70	100YR-24HR	21.22	17.10	0.0010	3.26	3.26	427
EX6S71	100YR-24HR	25.66	20.12	0.0008	2.64	2.64	246
EX6S72	100YR-24HR	34.10	29.55	0.0006	0.18	0.18	113
EX6S74	100YR-24HR	23.65	22.44	0.0004	0.45	0.45	113
EX6S75	100YR-24HR	22.84	18.47	0.0007	0.20	0.20	113
EX6S75A	100YR-24HR	22.72	18.05	0.0010	0.41	0.41	113
EX6S75B	100YR-24HR	22.83	18.61	0.0005	0.12	0.12	113
EX6S76	100YR-24HR	24.27	20.14	0.0004	1.55	1.56	121
EX6S77	100YR-24HR	27.93	23.52	0.0007	1.27	1.27	214
EX6S77A	100YR-24HR	32.32	27.64	0.0007	0.99	0.99	217
EX6S78	100YR-24HR	36.81	32.95	0.0005	0.69	0.69	189
EX6S78A	100YR-24HR	39.68	35.76	0.0004	0.42	0.42	113
EX6S79	100YR-24HR	9.49	3.41	0.0003	2.55	2.57	222
EX6S83	100YR-24HR	8.61	3.37	0.0005	2.78	2.82	272

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S84	100YR-24HR	10.83	2.82	0.0010	1.10	0.10	113
EX6S85	100YR-24HR	9.45	3.36	0.0023	2.87	3.07	206
EX6S86	100YR-24HR	9.00	3.87	0.0007	0.06	0.06	113
EX6S87B	100YR-24HR	8.95	5.64	0.0006	0.22	0.22	113
EXCS6S65A	100YR-24HR	7.45	3.71	0.0013	1.60	2.63	113
EXCS6S65B	100YR-24HR	7.45	3.71	0.0010	2.63	1.22	113
O601	100YR-24HR	3.61	2.45	0.0005	1.28	0.00	0
POND 6W1	100YR-24HR	9.45	3.43	0.0001	4.68	4.46	15830
POND 6W2	100YR-24HR	9.00	2.82	0.0006	6.19	2.77	1404
PR6S08	100YR-24HR	26.77	19.65	0.0228	1.76	25.82	113
PR6S21	100YR-24HR	9.00	2.80	0.0006	3.33	3.31	644
PR6S46	100YR-24HR	9.94	6.25	0.0228	25.82	15.43	459
PR6S46A	100YR-24HR	6.00	3.27	0.0009	4.05	4.03	463
PR6S46A1	100YR-24HR	6.00	3.30	0.0010	8.48	8.16	487
PR6S48	100YR-24HR	8.82	4.16	0.0098	12.79	8.05	357
PR6S50	100YR-24HR	7.87	2.82	0.0010	1.42	1.14	160
PR6S56A	100YR-24HR	20.00	2.80	0.0006	3.91	3.89	636
PR6S68	100YR-24HR	9.00	1.75	0.0000	0.00	0.00	113
PR6S69	100YR-24HR	15.00	10.59	0.0010	3.61	3.61	283
PR6S81	100YR-24HR	9.39	2.82	0.0070	0.31	12.74	189
PR6S82	100YR-24HR	8.61	2.82	0.0028	6.55	1.10	259
PR6S87	100YR-24HR	9.84	3.36	0.0016	8.05	6.84	276
PR6S87A	100YR-24HR	9.65	3.35	0.0015	7.40	6.44	178
PR6S87A1	100YR-24HR	6.00	1.45	0.0000	0.00	0.00	113
PRSWALE 6E2	100YR-24HR	6.00	3.31	0.0010	1.78	2.10	113
SWALE 6E1	100YR-24HR	6.45	3.31	0.0008	1.78	1.78	452
6GW0	100YR-8HR	3.61	2.45	0.0005	10.51	0.02	0
6GW1	100YR-8HR	3.61	2.45	0.0005	12.85	0.16	0
6GW2	100YR-8HR	7.45	2.45	0.0005	15.67	0.00	0
6GW3	100YR-8HR	3.61	2.45	0.0005	19.73	0.00	0
6GW4	100YR-8HR	3.61	2.45	0.0005	8.27	0.01	0
CH6_1+A	100YR-8HR	12.45	10.84	0.0001	2.47	2.47	1536
CH6_2+A	100YR-8HR	7.55	5.95	0.0003	2.47	2.47	627
CH6_3+A	100YR-8HR	27.26	25.08	0.0021	9.93	2.59	812
CH6_4+A	100YR-8HR	21.22	15.08	0.0004	3.38	3.38	113
CH6_4+B	100YR-8HR	13.78	7.79	0.0000	0.00	0.00	113
CH6_5+A	100YR-8HR	21.62	14.05	0.0001	0.25	0.00	3708
CH6_5+B	100YR-8HR	17.05	14.05	0.0004	3.38	0.25	10948
EX6S01	100YR-8HR	14.19	9.94	0.0007	0.41	0.41	113
EX6S03	100YR-8HR	16.39	12.24	0.0008	2.47	2.47	113
EX6S04	100YR-8HR	16.29	9.59	0.0006	1.66	1.66	113
EX6S07	100YR-8HR	24.61	19.12	0.0009	2.47	2.47	113
EX6S09	100YR-8HR	27.93	24.58	0.0010	4.21	4.21	113
EX6S10	100YR-8HR	29.77	26.30	0.0010	4.04	3.68	113
EX6S11	100YR-8HR	29.78	26.30	0.0010	0.68	1.05	113
EX6S12	100YR-8HR	30.97	26.78	0.0010	0.53	0.53	138

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S14	100YR-8HR	31.48	25.14	0.0010	2.68	2.68	113
EX6S17	100YR-8HR	35.31	30.48	0.0014	3.37	3.37	113
EX6S18	100YR-8HR	35.67	30.88	0.0003	1.26	1.26	113
EX6S19	100YR-8HR	8.00	4.88	0.0010	14.09	14.10	191
EX6S20	100YR-8HR	35.45	31.82	0.0009	2.64	2.64	113
EX6S22	100YR-8HR	36.50	32.25	0.0003	1.05	1.05	113
EX6S23	100YR-8HR	10.09	5.38	0.0009	15.89	15.87	328
EX6S23A	100YR-8HR	14.83	8.67	0.0010	14.72	14.72	272
EX6S23B	100YR-8HR	37.55	33.75	0.0003	1.05	1.05	113
EX6S24	100YR-8HR	36.31	27.85	0.0088	2.51	9.93	113
EX6S25	100YR-8HR	38.60	33.15	0.0010	1.87	1.87	113
EX6S26	100YR-8HR	38.60	34.92	0.0013	2.84	2.92	113
EX6S27	100YR-8HR	18.30	11.55	0.0009	13.65	13.65	374
EX6S28	100YR-8HR	39.30	35.39	0.0004	1.14	1.14	113
EX6S29	100YR-8HR	32.58	30.03	0.0010	3.77	3.77	142
EX6S30	100YR-8HR	41.40	37.05	0.0010	2.76	2.76	113
EX6S31	100YR-8HR	40.51	36.00	0.0012	3.24	3.24	113
EX6S32	100YR-8HR	26.57	21.92	0.0013	3.24	3.24	113
EX6S33	100YR-8HR	10.11	7.75	0.0010	0.41	0.41	113
EX6S34	100YR-8HR	9.70	3.89	0.0005	5.25	5.24	334
EX6S35	100YR-8HR	8.45	3.91	0.0005	12.43	12.43	610
EX6S36	100YR-8HR	10.92	6.52	0.0006	0.89	0.89	113
EX6S37	100YR-8HR	9.54	4.19	0.0006	12.61	12.65	416
EX6S39	100YR-8HR	9.11	4.75	0.0007	0.36	0.37	113
EX6S40	100YR-8HR	9.65	5.05	0.0000	0.00	0.00	113
EX6S41	100YR-8HR	8.50	4.52	0.0003	0.93	0.93	113
EX6S42	100YR-8HR	8.45	3.08	0.0007	2.02	2.15	121
EX6S42A	100YR-8HR	3.45	3.07	0.0009	1.15	0.99	121
EX6S43	100YR-8HR	12.51	8.10	0.0007	2.07	2.07	176
EX6S44	100YR-8HR	11.33	6.66	0.0007	4.26	4.26	253
EX6S45	100YR-8HR	11.01	6.45	0.0023	4.26	4.26	193
EX6S51	100YR-8HR	5.35	4.79	0.0010	4.20	5.05	123
EX6S51A	100YR-8HR	6.00	4.79	0.0010	1.76	1.09	113
EX6S53	100YR-8HR	9.57	6.37	0.0008	2.47	2.47	113
EX6S55	100YR-8HR	22.61	18.60	0.0005	1.62	1.62	113
EX6S56	100YR-8HR	19.68	14.70	0.0011	11.67	11.67	331
EX6S57	100YR-8HR	30.41	25.31	0.0011	7.22	7.22	369
EX6S58	100YR-8HR	34.05	26.42	0.0010	0.57	0.57	113
EX6S59	100YR-8HR	32.05	29.20	0.0010	1.70	1.71	113
EX6S60	100YR-8HR	33.39	29.19	0.0010	6.21	6.20	159
EX6S61	100YR-8HR	33.33	29.29	0.0010	4.50	4.50	157
EX6S62	100YR-8HR	6.95	4.42	0.0010	0.50	0.13	113
EX6S62A	100YR-8HR	6.31	4.42	0.0010	1.49	1.48	113
EX6S63	100YR-8HR	8.34	4.75	0.0010	3.40	3.47	203
EX6S64	100YR-8HR	8.45	4.75	0.0010	13.10	12.43	217
EX6S65C	100YR-8HR	7.45	2.45	0.0032	13.84	13.84	113
EX6S70	100YR-8HR	21.22	17.90	0.0010	9.77	9.77	431

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S71	100YR-8HR	25.66	20.80	0.0009	7.91	7.91	250
EX6S72	100YR-8HR	34.10	29.71	0.0009	0.53	0.53	133
EX6S74	100YR-8HR	23.65	22.68	0.0004	1.34	1.34	113
EX6S75	100YR-8HR	22.84	18.64	0.0008	0.61	0.61	113
EX6S75A	100YR-8HR	22.72	18.29	0.0010	1.22	1.22	113
EX6S75B	100YR-8HR	22.83	18.74	0.0007	0.36	0.36	113
EX6S76	100YR-8HR	24.27	20.84	0.0006	4.66	4.66	133
EX6S77	100YR-8HR	27.93	24.02	0.0006	3.81	3.81	223
EX6S77A	100YR-8HR	32.32	28.07	0.0006	2.96	2.96	230
EX6S78	100YR-8HR	36.81	33.29	0.0006	2.07	2.07	211
EX6S78A	100YR-8HR	39.68	36.01	0.0004	1.26	1.26	113
EX6S79	100YR-8HR	9.49	4.77	0.0008	4.39	4.43	222
EX6S83	100YR-8HR	8.61	4.77	0.0010	4.86	4.90	272
EX6S84	100YR-8HR	10.83	4.76	0.0010	3.67	3.70	258
EX6S85	100YR-8HR	9.45	4.76	0.0023	5.03	5.09	249
EX6S86	100YR-8HR	9.00	4.76	0.0010	0.75	0.39	113
EX6S87B	100YR-8HR	8.95	5.82	0.0009	0.64	0.64	113
EXCS6S65A	100YR-8HR	7.45	4.41	0.0014	13.84	13.84	113
EXCS6S65B	100YR-8HR	7.45	4.35	0.0012	13.84	13.84	113
O601	100YR-8HR	3.61	2.45	0.0006	13.84	0.00	0
POND 6W1	100YR-8HR	9.45	4.77	0.0003	16.18	14.04	18228
POND 6W2	100YR-8HR	9.00	4.77	0.0006	7.88	7.79	3659
PR6S08	100YR-8HR	26.77	19.65	0.0228	5.26	25.82	113
PR6S21	100YR-8HR	9.00	4.72	0.0010	9.29	8.76	645
PR6S46	100YR-8HR	9.94	6.25	0.0228	25.82	15.43	459
PR6S46A	100YR-8HR	6.00	4.58	0.0009	7.77	7.76	463
PR6S46A1	100YR-8HR	6.00	4.63	0.0010	15.72	15.68	487
PR6S48	100YR-8HR	8.82	5.26	0.0098	12.79	11.44	357
PR6S50	100YR-8HR	7.87	4.79	0.0010	3.06	2.84	160
PR6S56A	100YR-8HR	20.00	4.73	0.0010	11.67	11.65	641
PR6S68	100YR-8HR	9.00	5.38	0.0010	1.08	0.12	113
PR6S69	100YR-8HR	15.00	11.78	0.0010	10.81	10.81	283
PR6S81	100YR-8HR	9.39	4.77	0.0070	2.53	12.74	189
PR6S82	100YR-8HR	8.61	4.76	0.0028	6.55	2.37	259
PR6S87	100YR-8HR	9.84	4.82	0.0016	11.44	11.52	276
PR6S87A	100YR-8HR	9.65	4.77	0.0015	12.16	12.88	179
PR6S87A1	100YR-8HR	6.00	1.45	0.0000	0.00	0.00	113
PRSWALE 6E2	100YR-8HR	6.00	4.65	0.0010	5.17	5.22	113
SWALE 6E1	100YR-8HR	6.45	4.70	0.0007	5.28	5.17	4252
6GW0	10YR-1HR	3.61	1.45	0.0000	4.81	0.00	0
6GW1	10YR-1HR	3.61	1.45	0.0000	7.20	0.00	0
6GW2	10YR-1HR	7.45	1.45	0.0000	15.67	0.00	0
6GW3	10YR-1HR	3.61	1.45	0.0000	24.77	0.00	0
6GW4	10YR-1HR	3.61	1.45	0.0000	9.95	0.00	0
CH6_1+A	10YR-1HR	12.45	10.87	0.0001	3.29	3.28	1537
CH6_2+A	10YR-1HR	7.55	6.03	0.0003	3.29	3.28	663

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
CH6_3+A	10YR-1HR	27.26	25.12	0.0021	9.93	3.33	845
CH6_4+A	10YR-1HR	21.22	15.08	0.0005	3.42	3.42	113
CH6_4+B	10YR-1HR	13.78	7.79	0.0000	0.00	0.00	113
CH6_5+A	10YR-1HR	21.62	13.78	0.0000	0.00	0.00	113
CH6_5+B	10YR-1HR	17.05	11.75	0.0008	3.42	0.00	4935
EX6S01	10YR-1HR	14.19	9.99	0.0006	0.54	0.54	113
EX6S03	10YR-1HR	16.39	12.40	0.0008	3.29	3.29	113
EX6S04	10YR-1HR	16.29	9.71	0.0007	2.21	2.21	113
EX6S07	10YR-1HR	24.61	19.27	0.0008	3.29	3.29	113
EX6S09	10YR-1HR	27.93	24.79	0.0012	5.39	5.38	113
EX6S10	10YR-1HR	29.77	26.48	0.0010	4.77	4.69	113
EX6S11	10YR-1HR	29.78	26.48	0.0010	0.93	0.87	113
EX6S12	10YR-1HR	30.97	26.84	0.0007	0.70	0.70	145
EX6S14	10YR-1HR	31.48	25.30	0.0009	3.56	3.56	113
EX6S17	10YR-1HR	35.31	30.71	0.0013	4.47	4.47	113
EX6S18	10YR-1HR	35.67	30.95	0.0003	1.67	1.67	113
EX6S19	10YR-1HR	8.00	5.10	0.0012	18.02	18.02	193
EX6S20	10YR-1HR	35.45	31.98	0.0009	3.50	3.50	113
EX6S22	10YR-1HR	36.50	32.31	0.0003	1.40	1.40	113
EX6S23	10YR-1HR	10.09	6.01	0.0015	20.53	20.50	332
EX6S23A	10YR-1HR	14.83	9.26	0.0014	19.12	19.12	273
EX6S23B	10YR-1HR	37.55	33.80	0.0012	1.40	2.67	113
EX6S24	10YR-1HR	36.31	27.85	0.0088	3.34	9.93	113
EX6S25	10YR-1HR	38.60	33.28	0.0014	2.48	2.48	113
EX6S26	10YR-1HR	38.60	35.10	0.0012	3.77	3.77	113
EX6S27	10YR-1HR	18.30	12.07	0.0009	17.73	17.72	375
EX6S28	10YR-1HR	39.30	35.48	0.0006	1.51	1.51	113
EX6S29	10YR-1HR	32.58	30.24	0.0016	5.01	5.01	143
EX6S30	10YR-1HR	41.40	37.24	0.0009	3.67	3.66	113
EX6S31	10YR-1HR	40.51	36.23	0.0012	4.31	4.31	113
EX6S32	10YR-1HR	26.57	22.11	0.0014	4.31	4.31	113
EX6S33	10YR-1HR	10.11	7.79	0.0010	0.54	0.52	113
EX6S34	10YR-1HR	9.70	2.25	0.0005	2.40	2.38	330
EX6S35	10YR-1HR	8.45	2.27	0.0005	5.48	5.52	602
EX6S36	10YR-1HR	10.92	6.60	0.0006	1.19	1.18	113
EX6S37	10YR-1HR	9.54	2.60	0.0005	6.89	6.89	420
EX6S39	10YR-1HR	9.11	4.80	0.0005	0.49	0.48	113
EX6S40	10YR-1HR	9.65	5.05	0.0000	0.00	0.00	113
EX6S41	10YR-1HR	8.50	4.60	0.0006	1.24	1.24	113
EX6S42	10YR-1HR	8.45	2.27	0.0003	1.75	1.73	119
EX6S42A	10YR-1HR	3.45	2.25	0.0003	0.86	0.86	119
EX6S43	10YR-1HR	12.51	8.24	0.0012	2.75	2.75	177
EX6S44	10YR-1HR	11.33	6.84	0.0007	5.65	5.65	257
EX6S45	10YR-1HR	11.01	6.63	0.0023	5.65	5.65	193
EX6S51	10YR-1HR	5.35	4.32	0.0010	4.76	4.73	123
EX6S51A	10YR-1HR	6.00	4.31	0.0010	1.42	1.21	113
EX6S53	10YR-1HR	9.57	6.55	0.0008	3.29	3.29	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S55	10YR-1HR	22.61	18.71	0.0007	2.16	2.15	113
EX6S56	10YR-1HR	19.68	14.94	0.0011	14.98	14.97	337
EX6S57	10YR-1HR	30.41	25.56	0.0033	9.38	9.37	370
EX6S58	10YR-1HR	34.05	26.48	0.0007	0.75	0.75	113
EX6S59	10YR-1HR	32.05	29.45	0.0016	2.26	2.26	113
EX6S60	10YR-1HR	33.39	29.42	0.0030	8.23	8.23	158
EX6S61	10YR-1HR	33.33	29.49	0.0016	5.98	5.97	157
EX6S62	10YR-1HR	6.95	4.29	0.0012	1.33	0.08	113
EX6S62A	10YR-1HR	6.31	4.29	0.0008	1.94	1.92	113
EX6S63	10YR-1HR	8.34	4.36	0.0011	4.15	4.15	222
EX6S64	10YR-1HR	8.45	4.51	0.0018	13.20	13.20	244
EX6S65C	10YR-1HR	7.45	2.27	0.0013	10.95	10.95	113
EX6S70	10YR-1HR	21.22	18.26	0.0011	12.95	12.94	431
EX6S71	10YR-1HR	25.66	21.09	0.0017	10.48	10.48	250
EX6S72	10YR-1HR	34.10	29.76	0.0007	0.70	0.70	139
EX6S74	10YR-1HR	23.65	22.77	0.0004	1.78	1.78	113
EX6S75	10YR-1HR	22.84	18.70	0.0005	0.81	0.81	113
EX6S75A	10YR-1HR	22.72	18.39	0.0010	1.62	1.61	113
EX6S75B	10YR-1HR	22.83	18.79	0.0005	0.49	0.48	113
EX6S76	10YR-1HR	24.27	21.14	0.0012	6.18	6.18	134
EX6S77	10YR-1HR	27.93	24.24	0.0007	5.05	5.05	223
EX6S77A	10YR-1HR	32.32	28.24	0.0008	3.93	3.92	230
EX6S78	10YR-1HR	36.81	33.42	0.0011	2.75	2.74	212
EX6S78A	10YR-1HR	39.68	36.11	0.0006	1.67	1.67	113
EX6S79	10YR-1HR	9.49	4.11	0.0007	6.64	6.53	223
EX6S83	10YR-1HR	8.61	4.10	0.0010	6.24	6.18	288
EX6S84	10YR-1HR	10.83	4.30	0.0010	4.15	3.92	241
EX6S85	10YR-1HR	9.45	4.13	0.0023	5.99	6.11	232
EX6S86	10YR-1HR	9.00	4.13	0.0010	0.58	0.07	113
EX6S87B	10YR-1HR	8.95	5.87	0.0008	0.80	0.80	113
EXCS6S65A	10YR-1HR	7.45	4.27	0.0010	10.95	10.95	134
EXCS6S65B	10YR-1HR	7.45	4.24	0.0010	10.95	10.95	113
O601	10YR-1HR	3.61	1.45	0.0000	10.95	0.00	0
POND 6W1	10YR-1HR	9.45	4.12	0.0007	20.57	9.68	16927
POND 6W2	10YR-1HR	9.00	4.29	0.0010	11.39	9.64	3082
PR6S08	10YR-1HR	26.77	19.65	0.0228	6.77	25.82	113
PR6S21	10YR-1HR	9.00	4.20	0.0009	11.31	11.17	646
PR6S46	10YR-1HR	9.94	6.31	0.0228	25.82	15.43	459
PR6S46A	10YR-1HR	6.00	3.94	0.0009	7.79	7.76	463
PR6S46A1	10YR-1HR	6.00	3.99	0.0010	15.73	15.69	487
PR6S48	10YR-1HR	8.82	4.94	0.0098	14.96	14.95	358
PR6S50	10YR-1HR	7.87	4.31	0.0010	3.11	2.93	160
PR6S56A	10YR-1HR	20.00	4.20	0.0009	14.97	14.42	642
PR6S68	10YR-1HR	9.00	6.01	0.0028	3.14	0.33	113
PR6S69	10YR-1HR	15.00	12.45	0.0014	13.98	13.98	283
PR6S81	10YR-1HR	9.39	4.29	0.0070	3.98	12.74	189
PR6S82	10YR-1HR	8.61	4.30	0.0028	6.55	3.49	259

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR6S87	10YR-1HR	9.84	4.21	0.0016	14.95	14.87	277
PR6S87A	10YR-1HR	9.65	4.13	0.0015	15.66	15.58	176
PR6S87A1	10YR-1HR	6.00	1.45	0.0000	0.00	0.00	113
PRSWALE 6E2	10YR-1HR	6.00	4.02	0.0010	4.66	4.66	113
SWALE 6E1	10YR-1HR	6.45	4.06	0.0005	5.59	4.66	3205
6GW0	10YR-24HR	3.61	2.45	0.0005	1.42	0.02	0
6GW1	10YR-24HR	3.61	2.45	0.0005	1.86	0.12	0
6GW2	10YR-24HR	7.45	2.45	0.0005	5.69	0.00	0
6GW3	10YR-24HR	3.61	2.45	0.0005	4.67	0.00	0
6GW4	10YR-24HR	3.61	2.45	0.0005	4.35	0.01	0
CH6_1+A	10YR-24HR	12.45	10.72	0.0001	0.54	0.54	1535
CH6_2+A	10YR-24HR	7.55	5.65	0.0003	0.54	0.54	501
CH6_3+A	10YR-24HR	27.26	25.08	0.0021	9.93	2.59	812
CH6_4+A	10YR-24HR	21.22	15.00	0.0004	0.73	0.73	113
CH6_4+B	10YR-24HR	13.78	7.79	0.0000	0.00	0.00	113
CH6_5+A	10YR-24HR	21.62	13.86	0.0000	0.07	0.00	3372
CH6_5+B	10YR-24HR	17.05	13.86	0.0003	0.73	0.07	10948
EX6S01	10YR-24HR	14.19	9.77	0.0005	0.09	0.09	113
EX6S03	10YR-24HR	16.39	11.77	0.0008	0.54	0.54	113
EX6S04	10YR-24HR	16.29	9.22	0.0005	0.37	0.37	113
EX6S07	10YR-24HR	24.61	18.65	0.0010	0.54	0.54	113
EX6S09	10YR-24HR	27.93	23.92	0.0009	0.92	0.92	113
EX6S10	10YR-24HR	29.77	25.69	0.0010	0.80	0.80	113
EX6S11	10YR-24HR	29.78	25.70	0.0009	0.14	0.15	113
EX6S12	10YR-24HR	30.97	26.58	0.0008	0.12	0.12	113
EX6S14	10YR-24HR	31.48	24.65	0.0010	0.59	0.59	113
EX6S17	10YR-24HR	35.31	30.28	0.0002	0.74	0.74	113
EX6S18	10YR-24HR	35.67	30.65	0.0003	0.28	0.28	113
EX6S19	10YR-24HR	8.00	3.31	0.0005	2.18	2.17	191
EX6S20	10YR-24HR	35.45	31.33	0.0009	0.58	0.58	113
EX6S22	10YR-24HR	36.50	32.03	0.0003	0.23	0.23	113
EX6S23	10YR-24HR	10.09	3.31	0.0005	3.49	3.48	318
EX6S23A	10YR-24HR	14.83	7.31	0.0010	3.23	3.23	163
EX6S23B	10YR-24HR	37.55	33.53	0.0003	0.23	0.23	113
EX6S24	10YR-24HR	36.31	27.85	0.0088	0.55	9.93	113
EX6S25	10YR-24HR	38.60	32.76	0.0010	0.41	0.41	113
EX6S26	10YR-24HR	38.60	34.75	0.0007	0.62	0.62	113
EX6S27	10YR-24HR	18.30	10.28	0.0009	3.00	3.00	362
EX6S28	10YR-24HR	39.30	35.09	0.0004	0.25	0.25	113
EX6S29	10YR-24HR	32.58	29.41	0.0010	0.83	0.83	142
EX6S30	10YR-24HR	41.40	36.75	0.0006	0.61	0.61	113
EX6S31	10YR-24HR	40.51	35.77	0.0007	0.71	0.71	113
EX6S32	10YR-24HR	26.57	21.36	0.0010	0.71	0.71	113
EX6S33	10YR-24HR	10.11	7.57	0.0006	0.09	0.09	113
EX6S34	10YR-24HR	9.70	2.50	0.0006	0.71	0.71	323
EX6S35	10YR-24HR	8.45	2.50	0.0010	1.46	1.45	607

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S36	10YR-24HR	10.92	6.27	0.0010	0.20	0.22	113
EX6S37	10YR-24HR	9.54	2.50	0.0009	1.14	1.14	339
EX6S39	10YR-24HR	9.11	4.59	0.0004	0.08	0.08	113
EX6S40	10YR-24HR	9.65	5.05	0.0000	0.00	0.00	113
EX6S41	10YR-24HR	8.50	4.27	0.0003	0.21	0.21	113
EX6S42	10YR-24HR	8.45	2.48	0.0005	0.42	0.43	121
EX6S42A	10YR-24HR	3.45	2.48	0.0005	0.22	0.21	121
EX6S43	10YR-24HR	12.51	7.68	0.0006	0.45	0.46	144
EX6S44	10YR-24HR	11.33	6.10	0.0007	0.94	0.94	206
EX6S45	10YR-24HR	11.01	5.89	0.0023	2.64	0.94	166
EX6S51	10YR-24HR	5.35	2.58	0.0010	0.91	1.56	123
EX6S51A	10YR-24HR	6.00	2.57	0.0010	0.54	0.23	113
EX6S53	10YR-24HR	9.57	5.81	0.0008	0.54	0.54	113
EX6S55	10YR-24HR	22.61	18.23	0.0005	0.36	0.36	113
EX6S56	10YR-24HR	19.68	13.88	0.0011	2.59	2.56	261
EX6S57	10YR-24HR	30.41	24.53	0.0010	1.59	1.58	315
EX6S58	10YR-24HR	34.05	26.22	0.0006	0.12	0.12	113
EX6S59	10YR-24HR	32.05	28.48	0.0010	0.37	0.75	113
EX6S60	10YR-24HR	33.39	28.48	0.0010	1.73	1.37	153
EX6S61	10YR-24HR	33.33	28.71	0.0010	0.99	0.99	144
EX6S62	10YR-24HR	6.95	3.57	0.0001	0.01	0.00	113
EX6S62A	10YR-24HR	6.31	3.36	0.0010	0.46	0.74	113
EX6S63	10YR-24HR	8.34	2.75	0.0000	0.00	0.00	113
EX6S64	10YR-24HR	8.45	3.34	0.0010	0.33	0.32	129
EX6S65C	10YR-24HR	7.45	2.45	0.0008	0.00	0.00	113
EX6S70	10YR-24HR	21.22	16.93	0.0010	2.15	2.15	400
EX6S71	10YR-24HR	25.66	19.96	0.0008	1.74	1.74	235
EX6S72	10YR-24HR	34.10	29.51	0.0006	0.12	0.12	113
EX6S74	10YR-24HR	23.65	22.39	0.0004	0.29	0.29	113
EX6S75	10YR-24HR	22.84	18.42	0.0006	0.13	0.13	113
EX6S75A	10YR-24HR	22.72	17.99	0.0009	0.27	0.27	113
EX6S75B	10YR-24HR	22.83	18.58	0.0004	0.08	0.08	113
EX6S76	10YR-24HR	24.27	19.98	0.0004	1.03	1.03	113
EX6S77	10YR-24HR	27.93	23.40	0.0007	0.84	0.84	202
EX6S77A	10YR-24HR	32.32	27.54	0.0007	0.65	0.65	204
EX6S78	10YR-24HR	36.81	32.87	0.0004	0.45	0.45	176
EX6S78A	10YR-24HR	39.68	35.70	0.0004	0.28	0.28	113
EX6S79	10YR-24HR	9.49	3.08	0.0002	1.87	1.88	216
EX6S83	10YR-24HR	8.61	2.97	0.0005	2.03	2.07	270
EX6S84	10YR-24HR	10.83	2.57	0.0010	1.10	0.07	113
EX6S85	10YR-24HR	9.45	2.96	0.0023	2.74	2.48	206
EX6S86	10YR-24HR	9.00	3.81	0.0004	0.03	0.02	113
EX6S87B	10YR-24HR	8.95	5.60	0.0006	0.14	0.14	113
EXCS6S65A	10YR-24HR	7.45	3.36	0.0010	0.76	0.67	113
EXCS6S65B	10YR-24HR	7.45	3.36	0.0010	0.22	0.24	113
O601	10YR-24HR	3.61	2.45	0.0006	0.00	0.00	0
POND 6W1	10YR-24HR	9.45	3.13	0.0001	2.94	2.70	15122

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND 6W2	10YR-24HR	9.00	2.57	0.0006	6.19	1.69	1353
PR6S08	10YR-24HR	26.77	19.65	0.0228	1.15	25.82	113
PR6S21	10YR-24HR	9.00	2.57	0.0005	2.11	2.10	628
PR6S46	10YR-24HR	9.94	6.25	0.0228	25.82	15.43	459
PR6S46A	10YR-24HR	6.00	2.89	0.0009	2.83	2.80	463
PR6S46A1	10YR-24HR	6.00	2.91	0.0010	6.49	5.72	487
PR6S48	10YR-24HR	8.82	4.16	0.0098	12.79	8.05	357
PR6S50	10YR-24HR	7.87	2.57	0.0010	0.98	0.78	160
PR6S56A	10YR-24HR	20.00	2.57	0.0006	2.56	2.54	616
PR6S68	10YR-24HR	9.00	1.75	0.0000	0.00	0.00	113
PR6S69	10YR-24HR	15.00	10.38	0.0010	2.37	2.37	255
PR6S81	10YR-24HR	9.39	2.65	0.0070	0.20	12.74	187
PR6S82	10YR-24HR	8.61	2.57	0.0028	6.55	1.10	259
PR6S87	10YR-24HR	9.84	2.95	0.0016	8.05	6.84	276
PR6S87A	10YR-24HR	9.65	2.95	0.0015	6.84	5.00	178
PR6S87A1	10YR-24HR	6.00	1.45	0.0000	0.00	0.00	113
PRSWALE 6E2	10YR-24HR	6.00	2.92	0.0010	1.16	1.83	113
SWALE 6E1	10YR-24HR	6.45	2.94	0.0006	1.15	1.16	285
6GW0	10YR-8HR	3.61	2.45	0.0005	5.72	0.03	0
6GW1	10YR-8HR	3.61	2.45	0.0005	7.22	0.20	0
6GW2	10YR-8HR	7.45	2.45	0.0005	11.73	0.00	0
6GW3	10YR-8HR	3.61	2.45	0.0005	15.52	0.00	0
6GW4	10YR-8HR	3.61	2.45	0.0005	6.77	0.02	0
CH6_1+A	10YR-8HR	12.45	10.80	0.0001	1.75	1.75	1536
CH6_2+A	10YR-8HR	7.55	5.86	0.0003	1.75	1.75	590
CH6_3+A	10YR-8HR	27.26	25.08	0.0021	9.93	2.59	812
CH6_4+A	10YR-8HR	21.22	15.05	0.0004	2.28	2.28	113
CH6_4+B	10YR-8HR	13.78	7.79	0.0000	0.00	0.00	113
CH6_5+A	10YR-8HR	21.62	13.78	0.0000	0.00	0.00	113
CH6_5+B	10YR-8HR	17.05	13.19	0.0008	2.28	0.00	8681
EX6S01	10YR-8HR	14.19	9.89	0.0006	0.29	0.29	113
EX6S03	10YR-8HR	16.39	12.09	0.0008	1.75	1.75	113
EX6S04	10YR-8HR	16.29	9.48	0.0006	1.18	1.18	113
EX6S07	10YR-8HR	24.61	18.97	0.0010	1.75	1.75	113
EX6S09	10YR-8HR	27.93	24.36	0.0010	2.95	2.95	113
EX6S10	10YR-8HR	29.77	26.09	0.0010	2.96	2.57	113
EX6S11	10YR-8HR	29.78	26.10	0.0010	0.45	0.91	113
EX6S12	10YR-8HR	30.97	26.72	0.0010	0.37	0.37	129
EX6S14	10YR-8HR	31.48	24.98	0.0010	1.89	1.89	113
EX6S17	10YR-8HR	35.31	30.44	0.0014	2.38	3.17	113
EX6S18	10YR-8HR	35.67	30.81	0.0003	0.89	0.89	113
EX6S19	10YR-8HR	8.00	4.32	0.0010	9.49	9.49	191
EX6S20	10YR-8HR	35.45	31.66	0.0009	1.86	1.86	113
EX6S22	10YR-8HR	36.50	32.18	0.0003	0.75	0.75	113
EX6S23	10YR-8HR	10.09	4.55	0.0010	11.18	11.17	324
EX6S23A	10YR-8HR	14.83	8.18	0.0010	10.38	10.38	272

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S23B	10YR-8HR	37.55	33.68	0.0003	0.75	0.75	113
EX6S24	10YR-8HR	36.31	27.85	0.0088	1.78	9.93	113
EX6S25	10YR-8HR	38.60	33.03	0.0010	1.32	1.32	113
EX6S26	10YR-8HR	38.60	34.92	0.0013	2.01	2.92	113
EX6S27	10YR-8HR	18.30	11.10	0.0009	9.62	9.62	374
EX6S28	10YR-8HR	39.30	35.30	0.0004	0.80	0.80	113
EX6S29	10YR-8HR	32.58	29.82	0.0010	2.67	2.67	142
EX6S30	10YR-8HR	41.40	36.87	0.0010	1.95	1.95	113
EX6S31	10YR-8HR	40.51	35.91	0.0012	2.30	2.79	113
EX6S32	10YR-8HR	26.57	21.73	0.0013	2.79	2.30	113
EX6S33	10YR-8HR	10.11	7.69	0.0010	0.29	0.29	113
EX6S34	10YR-8HR	9.70	3.11	0.0005	2.88	2.85	333
EX6S35	10YR-8HR	8.45	3.11	0.0010	6.64	6.63	609
EX6S36	10YR-8HR	10.92	6.44	0.0005	0.63	0.63	113
EX6S37	10YR-8HR	9.54	3.19	0.0006	6.84	6.88	414
EX6S39	10YR-8HR	9.11	4.70	0.0007	0.26	0.26	113
EX6S40	10YR-8HR	9.65	5.05	0.0000	0.00	0.00	113
EX6S41	10YR-8HR	8.50	4.45	0.0003	0.66	0.66	113
EX6S42	10YR-8HR	8.45	2.74	0.0005	1.29	1.40	121
EX6S42A	10YR-8HR	3.45	2.74	0.0006	0.76	0.63	121
EX6S43	10YR-8HR	12.51	7.97	0.0007	1.46	1.46	171
EX6S44	10YR-8HR	11.33	6.48	0.0007	3.01	3.01	246
EX6S45	10YR-8HR	11.01	6.28	0.0023	3.01	3.01	192
EX6S51	10YR-8HR	5.35	4.11	0.0010	2.89	4.08	123
EX6S51A	10YR-8HR	6.00	4.10	0.0010	1.54	0.82	113
EX6S53	10YR-8HR	9.57	6.18	0.0008	1.75	1.75	113
EX6S55	10YR-8HR	22.61	18.48	0.0005	1.15	1.15	113
EX6S56	10YR-8HR	19.68	14.44	0.0011	8.19	8.19	318
EX6S57	10YR-8HR	30.41	25.05	0.0010	5.09	5.09	367
EX6S58	10YR-8HR	34.05	26.36	0.0008	0.40	0.40	113
EX6S59	10YR-8HR	32.05	28.97	0.0010	1.21	1.21	113
EX6S60	10YR-8HR	33.39	28.96	0.0010	4.39	4.39	159
EX6S61	10YR-8HR	33.33	29.11	0.0010	3.18	3.18	157
EX6S62	10YR-8HR	6.95	4.03	0.0010	0.41	0.07	113
EX6S62A	10YR-8HR	6.31	4.03	0.0010	1.05	1.14	113
EX6S63	10YR-8HR	8.34	4.13	0.0010	1.45	1.44	195
EX6S64	10YR-8HR	8.45	4.16	0.0010	6.31	6.30	230
EX6S65C	10YR-8HR	7.45	2.45	0.0006	6.04	6.04	113
EX6S70	10YR-8HR	21.22	17.57	0.0010	6.91	6.91	431
EX6S71	10YR-8HR	25.66	20.52	0.0009	5.59	5.59	250
EX6S72	10YR-8HR	34.10	29.65	0.0008	0.37	0.37	125
EX6S74	10YR-8HR	23.65	22.59	0.0004	0.95	0.95	113
EX6S75	10YR-8HR	22.84	18.57	0.0008	0.43	0.43	113
EX6S75A	10YR-8HR	22.72	18.20	0.0010	0.86	0.86	113
EX6S75B	10YR-8HR	22.83	18.69	0.0007	0.26	0.26	113
EX6S76	10YR-8HR	24.27	20.56	0.0005	3.30	3.30	132
EX6S77	10YR-8HR	27.93	23.82	0.0006	2.70	2.70	223

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S77A	10YR-8HR	32.32	27.90	0.0007	2.09	2.09	230
EX6S78	10YR-8HR	36.81	33.16	0.0005	1.46	1.46	208
EX6S78A	10YR-8HR	39.68	35.92	0.0004	0.89	0.89	113
EX6S79	10YR-8HR	9.49	4.13	0.0009	2.91	2.95	222
EX6S83	10YR-8HR	8.61	4.12	0.0010	3.25	3.27	272
EX6S84	10YR-8HR	10.83	4.11	0.0010	1.59	1.68	223
EX6S85	10YR-8HR	9.45	4.12	0.0023	3.35	3.39	223
EX6S86	10YR-8HR	9.00	4.12	0.0010	0.44	0.15	113
EX6S87B	10YR-8HR	8.95	5.75	0.0008	0.45	0.45	113
EXCS6S65A	10YR-8HR	7.45	4.02	0.0016	6.06	6.07	113
EXCS6S65B	10YR-8HR	7.45	4.01	0.0014	6.07	6.04	113
O601	10YR-8HR	3.61	2.45	0.0005	6.04	0.00	0
POND 6W1	10YR-8HR	9.45	4.13	0.0002	10.10	8.45	16937
POND 6W2	10YR-8HR	9.00	4.09	0.0006	6.66	6.60	2845
PR6S08	10YR-8HR	26.77	19.65	0.0228	3.69	25.82	113
PR6S21	10YR-8HR	9.00	4.05	0.0005	6.99	6.93	645
PR6S46	10YR-8HR	9.94	6.25	0.0228	25.82	15.43	459
PR6S46A	10YR-8HR	6.00	4.00	0.0009	5.85	5.82	463
PR6S46A1	10YR-8HR	6.00	4.03	0.0010	11.84	11.75	487
PR6S48	10YR-8HR	8.82	4.33	0.0098	12.79	8.05	357
PR6S50	10YR-8HR	7.87	4.10	0.0010	2.32	1.83	160
PR6S56A	10YR-8HR	20.00	4.05	0.0006	8.19	8.10	641
PR6S68	10YR-8HR	9.00	4.55	0.0010	0.61	0.08	113
PR6S69	10YR-8HR	15.00	11.23	0.0010	7.62	7.62	283
PR6S81	10YR-8HR	9.39	4.10	0.0070	2.06	12.74	189
PR6S82	10YR-8HR	8.61	4.11	0.0028	6.55	1.89	259
PR6S87	10YR-8HR	9.84	4.14	0.0016	8.05	8.06	276
PR6S87A	10YR-8HR	9.65	4.11	0.0015	9.59	8.90	179
PR6S87A1	10YR-8HR	6.00	1.45	0.0000	0.00	0.00	113
PRSWALE 6E2	10YR-8HR	6.00	4.04	0.0010	3.09	3.10	113
SWALE 6E1	10YR-8HR	6.45	4.06	0.0009	3.63	3.09	3201
6GW0	25YR-72HR	3.61	2.45	0.0001	12.44	0.02	0
6GW1	25YR-72HR	3.61	2.45	0.0001	15.79	0.07	0
6GW2	25YR-72HR	7.45	2.45	0.0001	19.31	0.00	0
6GW3	25YR-72HR	3.61	2.45	0.0001	24.45	0.00	0
6GW4	25YR-72HR	3.61	2.45	0.0001	9.93	0.01	0
CH6_1+A	25YR-72HR	12.45	10.89	0.0001	3.77	3.77	1534
CH6_2+A	25YR-72HR	7.55	6.07	0.0004	3.77	3.77	678
CH6_3+A	25YR-72HR	27.26	25.14	0.0021	9.93	3.83	864
CH6_4+A	25YR-72HR	21.22	15.13	0.0004	5.38	5.38	113
CH6_4+B	25YR-72HR	13.78	7.79	0.0000	0.00	0.00	113
CH6_5+A	25YR-72HR	21.62	14.20	0.0003	2.61	0.14	3961
CH6_5+B	25YR-72HR	17.05	14.20	0.0004	5.38	2.63	10951
EX6S01	25YR-72HR	14.19	10.02	0.0003	0.62	0.62	113
EX6S03	25YR-72HR	16.39	12.48	0.0008	3.78	3.77	113
EX6S04	25YR-72HR	16.29	9.77	0.0005	2.54	2.54	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S07	25YR-72HR	24.61	19.36	0.0010	3.78	3.77	113
EX6S09	25YR-72HR	27.93	24.98	0.0009	6.48	6.48	113
EX6S10	25YR-72HR	29.77	26.65	0.0010	5.72	5.68	113
EX6S11	25YR-72HR	29.78	26.65	0.0009	1.11	1.16	113
EX6S12	25YR-72HR	30.97	26.87	0.0004	0.80	0.80	148
EX6S14	25YR-72HR	31.48	25.40	0.0010	4.08	4.08	113
EX6S17	25YR-72HR	35.31	30.85	0.0013	5.13	5.13	113
EX6S18	25YR-72HR	35.67	30.99	0.0003	1.92	1.92	113
EX6S19	25YR-72HR	8.00	5.77	0.0008	23.09	23.09	191
EX6S20	25YR-72HR	35.45	32.07	0.0009	4.02	4.02	113
EX6S22	25YR-72HR	36.50	32.32	0.0013	1.61	2.87	113
EX6S23	25YR-72HR	10.09	7.13	0.0011	24.21	24.18	314
EX6S23A	25YR-72HR	14.83	9.81	0.0013	22.40	22.40	272
EX6S23B	25YR-72HR	37.55	33.80	0.0012	1.61	2.67	113
EX6S24	25YR-72HR	36.31	27.85	0.0088	3.83	9.93	113
EX6S25	25YR-72HR	38.60	33.35	0.0010	2.84	2.84	113
EX6S26	25YR-72HR	38.60	35.21	0.0012	4.33	4.33	113
EX6S27	25YR-72HR	18.30	12.53	0.0008	20.77	20.76	375
EX6S28	25YR-72HR	39.30	35.53	0.0004	1.73	1.73	113
EX6S29	25YR-72HR	32.58	30.37	0.0010	5.75	5.75	124
EX6S30	25YR-72HR	41.40	37.35	0.0010	4.21	4.20	113
EX6S31	25YR-72HR	40.51	36.36	0.0012	4.95	4.95	113
EX6S32	25YR-72HR	26.57	22.22	0.0013	4.95	4.94	113
EX6S33	25YR-72HR	10.11	7.82	0.0003	0.62	0.62	113
EX6S34	25YR-72HR	9.70	4.84	0.0010	6.26	6.22	330
EX6S35	25YR-72HR	8.45	4.84	0.0010	13.79	13.88	609
EX6S36	25YR-72HR	10.92	6.64	0.0010	1.36	1.36	113
EX6S37	25YR-72HR	9.54	4.92	0.0010	14.33	14.39	404
EX6S39	25YR-72HR	9.11	4.93	0.0004	0.56	0.56	113
EX6S40	25YR-72HR	9.65	5.05	0.0000	0.00	0.00	113
EX6S41	25YR-72HR	8.50	4.64	0.0003	1.42	1.42	113
EX6S42	25YR-72HR	8.45	3.75	0.0006	3.39	3.36	121
EX6S42A	25YR-72HR	3.45	3.75	0.0006	1.69	1.67	121
EX6S43	25YR-72HR	12.51	8.31	0.0005	3.15	3.15	177
EX6S44	25YR-72HR	11.33	7.38	0.0007	6.49	6.30	257
EX6S45	25YR-72HR	11.01	7.28	0.0023	6.30	6.26	193
EX6S51	25YR-72HR	5.35	5.69	0.0010	6.55	6.40	476
EX6S51A	25YR-72HR	6.00	5.69	0.0010	1.64	1.31	113
EX6S53	25YR-72HR	9.57	6.64	0.0008	3.78	3.77	113
EX6S55	25YR-72HR	22.61	18.77	0.0005	2.48	2.47	113
EX6S56	25YR-72HR	19.68	15.24	0.0011	17.90	17.62	338
EX6S57	25YR-72HR	30.41	25.74	0.0010	11.02	11.01	370
EX6S58	25YR-72HR	34.05	26.52	0.0004	0.87	0.87	113
EX6S59	25YR-72HR	32.05	29.60	0.0010	2.60	2.59	113
EX6S60	25YR-72HR	33.39	29.56	0.0010	9.45	9.44	159
EX6S61	25YR-72HR	33.33	29.64	0.0010	6.86	6.86	157
EX6S62	25YR-72HR	6.95	4.87	0.0007	0.62	0.11	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S62A	25YR-72HR	6.31	4.87	0.0010	2.26	2.20	113
EX6S63	25YR-72HR	8.34	5.39	0.0013	8.30	8.37	207
EX6S64	25YR-72HR	8.45	5.38	0.0010	22.08	21.29	239
EX6S65C	25YR-72HR	7.45	3.20	0.0005	23.30	23.30	113
EX6S70	25YR-72HR	21.22	18.48	0.0010	14.86	14.85	431
EX6S71	25YR-72HR	25.66	21.26	0.0010	12.03	12.03	250
EX6S72	25YR-72HR	34.10	29.79	0.0004	0.80	0.80	142
EX6S74	25YR-72HR	23.65	22.81	0.0004	2.04	2.04	113
EX6S75	25YR-72HR	22.84	18.73	0.0004	0.93	0.93	113
EX6S75A	25YR-72HR	22.72	18.48	0.0006	1.85	1.85	113
EX6S75B	25YR-72HR	22.83	18.81	0.0003	0.56	0.56	113
EX6S76	25YR-72HR	24.27	21.33	0.0010	7.09	7.09	133
EX6S77	25YR-72HR	27.93	24.37	0.0010	5.80	5.80	223
EX6S77A	25YR-72HR	32.32	28.34	0.0007	4.51	4.50	230
EX6S78	25YR-72HR	36.81	33.50	0.0005	3.15	3.15	212
EX6S78A	25YR-72HR	39.68	36.16	0.0004	1.92	1.92	113
EX6S79	25YR-72HR	9.49	5.34	0.0008	8.98	8.84	222
EX6S83	25YR-72HR	8.61	5.36	0.0007	8.59	8.45	272
EX6S84	25YR-72HR	10.83	5.39	0.0012	8.19	8.32	258
EX6S85	25YR-72HR	9.45	5.39	0.0023	7.64	7.37	265
EX6S86	25YR-72HR	9.00	5.39	0.0008	0.31	0.56	113
EX6S87B	25YR-72HR	8.95	5.92	0.0004	0.99	0.99	113
EXCS6S65A	25YR-72HR	7.45	4.85	0.0015	23.31	23.30	113
EXCS6S65B	25YR-72HR	7.45	4.69	0.0013	23.30	23.30	113
O601	25YR-72HR	3.61	2.45	0.0002	23.30	0.00	0
POND 6W1	25YR-72HR	9.45	5.34	0.0008	29.92	19.11	19495
POND 6W2	25YR-72HR	9.00	5.63	0.0009	12.16	12.03	4758
PR6S08	25YR-72HR	26.77	19.65	0.0228	8.09	25.82	113
PR6S21	25YR-72HR	9.00	5.60	0.0010	10.90	10.86	645
PR6S46	25YR-72HR	9.94	7.20	0.0228	25.82	15.43	459
PR6S46A	25YR-72HR	6.00	5.16	0.0009	9.55	9.54	463
PR6S46A1	25YR-72HR	6.00	5.23	0.0010	19.33	19.31	487
PR6S48	25YR-72HR	8.82	6.24	0.0098	17.06	17.01	357
PR6S50	25YR-72HR	7.87	5.67	0.0010	4.98	4.84	160
PR6S56A	25YR-72HR	20.00	5.64	0.0010	17.62	17.58	641
PR6S68	25YR-72HR	9.00	7.13	0.0020	2.25	0.54	113
PR6S69	25YR-72HR	15.00	13.06	0.0010	16.48	16.47	283
PR6S81	25YR-72HR	9.39	5.59	0.0070	5.55	12.74	189
PR6S82	25YR-72HR	8.61	5.48	0.0028	6.55	5.98	259
PR6S87	25YR-72HR	9.84	5.50	0.0016	15.44	15.29	276
PR6S87A	25YR-72HR	9.65	5.40	0.0015	16.21	16.07	178
PR6S87A1	25YR-72HR	6.00	1.45	0.0000	0.00	0.00	113
PRSWALE 6E2	25YR-72HR	6.00	5.29	0.0010	7.57	7.59	113
SWALE 6E1	25YR-72HR	6.45	5.41	0.0008	10.03	7.57	5183

Link Min/Max Conditions [Icpr3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CH6_1+B_S79	100YR-1HR	7.04	-11.88	0.11	-3.78	-5.30	-4.39
CH6_1+SEC1	100YR-1HR	4.78	0.00	0.00	2.77	3.90	3.33
CH6_2+B_S50	100YR-1HR	4.23	-0.14	0.50	1.35	1.35	1.35
CH6_2+SEC1	100YR-1HR	4.77	0.00	0.01	0.88	2.70	1.79
CH6_3+SEC1	100YR-1HR	4.85	0.00	0.04	1.97	2.65	2.31
CH6_4+A_WEIR	100YR-1HR	0.00	-5.49	-0.01	0.00	0.00	0.00
CH6_4+SEC1	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
CH6_5+SEC1	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
CS6S65_WEIR1	100YR-1HR	23.94	-0.09	2.48	1.99	1.99	1.99
CS6S65_WEIR2	100YR-1HR	23.94	0.00	-0.03	3.44	3.44	3.44
EX6S01_S33	100YR-1HR	0.78	0.00	0.01	1.91	6.34	4.13
EX6S03_CH6_1+A	100YR-1HR	4.78	0.00	0.01	3.13	13.56	8.35
EX6S04_S43	100YR-1HR	3.21	0.00	0.00	2.73	10.33	6.53
EX6S07_P6W	100YR-1HR	4.78	0.00	0.13	5.87	21.83	12.66
EX6S09_S08	100YR-1HR	7.93	0.00	0.01	4.49	11.97	8.23
EX6S10_S09	100YR-1HR	6.92	0.00	0.01	3.92	6.14	4.14
EX6S11_S10	100YR-1HR	1.16	-1.09	-0.70	1.91	-2.98	-2.13
EX6S12_S11	100YR-1HR	1.02	-0.02	0.00	2.09	0.83	1.34
EX6S14_P6W	100YR-1HR	5.17	0.00	0.15	6.50	22.99	13.29
EX6S17_S15	100YR-1HR	6.50	0.00	-1.02	28.96	36.57	26.16
EX6S18_S19	100YR-1HR	2.43	0.00	0.00	3.89	36.98	20.44
EX6S19_S64	100YR-1HR	22.17	-0.81	-0.01	7.06	7.06	7.06
EX6S20_S17	100YR-1HR	5.10	0.00	0.01	3.12	5.17	4.06
EX6S22_S23	100YR-1HR	2.88	0.00	0.72	25.96	27.97	23.99
EX6S23A_S23	100YR-1HR	27.23	0.00	0.02	8.67	8.67	8.67
EX6S23B_S23A	100YR-1HR	2.67	0.00	0.67	24.02	26.86	22.56
EX6S23_S19	100YR-1HR	23.22	-0.14	0.03	7.39	7.39	7.39
EX6S24_CH6_3+A	100YR-1HR	9.93	0.00	-0.02	7.11	7.38	7.22
EX6S25_S24	100YR-1HR	3.60	0.00	0.01	2.76	7.06	4.91
EX6S26_S27	100YR-1HR	5.49	0.00	0.73	26.41	34.03	24.31
EX6S27_6S23A	100YR-1HR	25.24	0.00	0.04	8.04	8.50	8.27
EX6S28_S25	100YR-1HR	2.19	0.00	0.01	2.37	4.84	3.61
EX6S29_S61	100YR-1HR	7.28	0.00	0.02	4.12	4.12	4.12
EX6S30_S29	100YR-1HR	5.33	0.00	0.42	15.12	29.54	16.88
EX6S31_S32	100YR-1HR	6.27	0.00	-0.88	25.11	34.97	23.36
EX6S32_S71	100YR-1HR	6.27	0.00	0.01	3.55	8.53	5.59
EX6S33_S34	100YR-1HR	0.78	0.00	0.01	1.90	6.18	4.04

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S34_S35	100YR-1HR	0.38	-2.18	-0.01	-1.03	-1.97	-1.33
EX6S35_S37	100YR-1HR	0.00	-8.02	-0.01	-2.56	-4.12	-3.06
EX6S36_S35	100YR-1HR	1.72	0.00	0.08	3.60	13.83	8.31
EX6S37-CH6_1+B	100YR-1HR	0.00	-12.91	-0.01	-4.11	-6.01	-5.06
EX6S39_S37	100YR-1HR	0.71	0.00	0.01	1.74	2.84	2.29
EX6S40_S42	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S41_S42	100YR-1HR	1.80	0.00	0.00	2.36	3.45	2.90
EX6S42A_S42	100YR-1HR	0.00	-1.47	0.00	-1.14	-2.38	-1.75
EX6S43_S44	100YR-1HR	4.00	0.00	0.02	2.84	4.29	3.36
EX6S44_S45	100YR-1HR	7.98	0.00	-0.01	3.14	3.22	3.18
EX6S45_S46	100YR-1HR	7.83	-2.64	-0.02	3.19	-3.61	2.78
EX6S51A_EX6S51	100YR-1HR	0.00	-1.64	-0.52	-1.26	-2.30	-1.75
EX6S53_CH6_2+A	100YR-1HR	4.78	0.00	-0.04	2.81	4.67	3.74
EX6S55_S56	100YR-1HR	3.14	0.00	0.01	2.66	7.90	5.28
EX6S56_56A	100YR-1HR	21.96	0.00	0.13	6.99	27.95	17.47
EX6S57_S56	100YR-1HR	13.73	0.00	0.01	4.37	12.38	8.37
EX6S58_S57	100YR-1HR	1.10	0.00	0.01	1.97	3.82	2.89
EX6S59_S60	100YR-1HR	3.28	-0.69	-0.24	1.95	3.65	2.78
EX6S60_S57	100YR-1HR	11.96	0.00	0.01	3.89	12.71	8.29
EX6S61_S60	100YR-1HR	8.68	0.00	0.02	3.05	4.80	3.60
EX6S62A_S65A	100YR-1HR	2.69	0.00	-0.50	1.53	1.52	1.52
EX6S62_S62A	100YR-1HR	0.15	-1.77	0.04	-1.00	-3.42	-2.21
EX6S63_S64	100YR-1HR	6.59	-6.86	-2.24	2.47	-3.74	-2.73
EX6S64_S65A	100YR-1HR	21.61	-1.12	0.15	4.42	5.46	4.94
EX6S65C_0601	100YR-1HR	23.95	0.00	-0.90	4.88	6.95	5.92
EX6S68_S23	100YR-1HR	0.81	-4.24	0.28	-2.03	-4.12	-3.07
EX6S68_WEIR	100YR-1HR	0.39	-0.48	0.00	-0.62	-0.62	-0.62
EX6S69_S27	100YR-1HR	19.82	-0.69	0.07	6.31	6.31	6.31
EX6S69_WEIR	100YR-1HR	0.00	-0.69	0.00	0.00	0.00	0.00
EX6S70_S69	100YR-1HR	18.79	0.00	0.01	5.98	11.77	7.81
EX6S70_WEIR	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S71_S70	100YR-1HR	15.26	0.00	0.01	4.86	8.27	5.72
EX6S72_S12	100YR-1HR	1.02	0.00	0.01	1.95	4.55	3.23
EX6S74_4+A	100YR-1HR	2.59	0.00	-0.02	3.97	25.87	14.92
EX6S75A_S70	100YR-1HR	2.42	-0.01	-0.01	2.33	1.37	1.69
EX6S75B_S75A	100YR-1HR	0.74	0.00	0.05	1.79	0.69	1.18
EX6S75_S75A	100YR-1HR	1.18	0.00	0.01	1.99	3.97	2.90
EX6S76_S71	100YR-1HR	9.00	-0.80	0.04	2.86	2.86	2.86

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S77A_S77	100YR-1HR	5.72	0.00	0.01	3.33	7.59	5.05
EX6S77_S76	100YR-1HR	7.36	0.00	0.01	4.16	8.71	6.15
EX6S78A_S78	100YR-1HR	2.43	0.00	0.01	2.47	5.50	3.74
EX6S78_S77A	100YR-1HR	3.99	0.00	0.01	2.88	7.47	4.89
EX6S79_S83	100YR-1HR	7.18	-11.33	0.06	-3.61	-3.61	-3.61
EX6S83_S85	100YR-1HR	7.47	-9.87	0.05	3.17	-3.14	-3.14
EX6S84_S63	100YR-1HR	6.43	-6.57	-2.18	-2.14	-3.77	-2.94
EX6S85_S84	100YR-1HR	5.98	-7.83	0.16	2.22	3.40	2.75
EX6S86_S85	100YR-1HR	0.22	-2.35	0.03	-2.30	-3.71	-3.00
EX6S87B_S87A	100YR-1HR	1.20	0.00	0.00	2.17	8.25	5.21
PR6S08_S46	100YR-1HR	25.82	0.00	-0.03	18.49	18.96	18.73
PR6S15_S81	100YR-1HR	5.29	-6.19	0.06	-2.87	-4.66	-3.76
PR6S19_6GW4	100YR-1HR	5.25	0.00	0.00	0.00	0.00	0.00
PR6S21_6GW3	100YR-1HR	12.24	0.00	0.00	0.00	0.00	0.00
PR6S21_S15	100YR-1HR	0.00	-13.67	0.05	-4.35	-4.35	-4.35
PR6S23_6GW4	100YR-1HR	5.96	0.00	0.00	0.00	0.00	0.00
PR6S34_6GW0	100YR-1HR	5.13	0.00	0.00	0.00	0.00	0.00
PR6S35_6GW0	100YR-1HR	5.18	0.00	0.00	0.00	0.00	0.00
PR6S35_6GW1	100YR-1HR	5.18	0.00	0.00	0.00	0.00	0.00
PR6S37_6GW1	100YR-1HR	6.12	0.00	0.00	0.00	0.00	0.00
PR6S42A_6GW1	100YR-1HR	1.45	0.00	0.00	0.00	0.00	0.00
PR6S42_6GW1	100YR-1HR	1.46	0.00	0.00	0.00	0.00	0.00
PR6S46A1_6GW2	100YR-1HR	10.38	0.00	0.00	0.00	0.00	0.00
PR6S46A1_PR6S87A	100YR-1HR	0.00	-17.18	0.07	-5.47	-5.47	-5.47
PR6S46A_6GW2	100YR-1HR	10.32	0.00	0.00	0.00	0.00	0.00
PR6S46A_PR6S46A1	100YR-1HR	0.00	-10.35	0.01	-1.90	-3.59	-2.65
PR6S46_S48	100YR-1HR	18.78	0.00	0.07	5.98	7.25	5.98
PR6S48_S87	100YR-1HR	18.99	0.00	-0.07	6.04	6.44	6.04
PR6S48_SWALE6E1	100YR-1HR	3.33	0.00	0.01	2.72	9.07	5.90
PR6S50_S15	100YR-1HR	5.50	-0.13	0.15	1.75	1.75	1.75
PR6S51A_6GW3	100YR-1HR	1.40	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR6S51_6GW3	100YR-1HR	1.40	0.00	0.00	0.00	0.00	0.00
PR6S56A_6GW3	100YR-1HR	12.28	0.00	0.00	0.00	0.00	0.00
PR6S56A_S21	100YR-1HR	9.78	-2.69	0.06	1.66	1.98	1.81
PR6S81_S82	100YR-1HR	6.55	-4.59	-0.06	3.04	4.76	3.90
PR6S82_S84	100YR-1HR	6.33	-4.48	0.05	2.01	2.01	2.01
PR6S87A1_PR6S87	100YR-1HR	0.00	-9.29	-0.99	-2.96	-3.57	-2.96
PR6S87A_S85	100YR-1HR	5.31	-7.63	0.15	-2.43	2.52	-2.43
PR6S87_S87A	100YR-1HR	9.46	-0.01	1.01	3.01	3.50	3.01
PRSWALE 6E2_PR6S46A1	100YR-1HR	9.56	-0.60	0.13	3.35	4.55	3.68
SWALE 6E1_PRSWALE 6E2	100YR-1HR	9.45	0.00	0.53	4.25	4.88	4.21
CH6_1+B_S79	100YR-24HR	2.46	0.00	0.01	2.06	1.92	1.99
CH6_1+SEC1	100YR-24HR	0.82	0.00	0.00	1.67	2.08	1.87
CH6_2+B_S50	100YR-24HR	1.13	-0.03	-0.91	0.50	-0.52	0.50
CH6_2+SEC1	100YR-24HR	0.82	0.00	0.01	0.42	1.65	1.03
CH6_3+SEC1	100YR-24HR	2.59	0.00	0.02	1.58	2.24	1.91
CH6_4+A_WEIR	100YR-24HR	0.00	-1.15	0.00	0.00	0.00	0.00
CH6_4+SEC1	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
CH6_5+SEC1	100YR-24HR	0.02	-0.37	0.00	0.01	-1.25	-0.63
CS6S65_WEIR1	100YR-24HR	2.63	-0.38	-2.54	0.22	0.22	0.22
CS6S65_WEIR2	100YR-24HR	1.22	0.00	-0.03	1.29	1.29	1.29
EX6S01_S33	100YR-24HR	0.14	0.00	0.01	1.47	0.00	0.74
EX6S03_CH6_1+A	100YR-24HR	0.82	0.00	0.01	2.07	8.06	5.07
EX6S04_S43	100YR-24HR	0.55	0.00	0.00	1.81	6.13	3.97
EX6S07_P6W	100YR-24HR	0.82	0.00	0.25	5.88	12.88	8.17
EX6S09_S08	100YR-24HR	1.41	0.00	0.01	2.18	7.30	4.74
EX6S10_S09	100YR-24HR	1.24	0.00	0.01	2.07	3.20	2.25
EX6S11_S10	100YR-24HR	0.24	-0.01	-0.02	1.47	0.41	0.92
EX6S12_S11	100YR-24HR	0.18	0.00	0.00	1.55	0.80	1.10
EX6S14_P6W	100YR-24HR	0.89	0.00	0.22	6.50	0.87	3.50
EX6S17_S15	100YR-24HR	1.12	0.00	0.00	3.09	21.59	12.34
EX6S18_S19	100YR-24HR	0.42	0.00	0.00	2.35	0.48	1.33
EX6S19_S64	100YR-24HR	0.79	-0.39	0.05	0.84	-2.10	-1.47
EX6S20_S17	100YR-24HR	0.88	0.00	0.01	1.85	3.29	2.57
EX6S22_S23	100YR-24HR	0.35	0.00	0.00	2.24	0.00	1.12

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S23A_S23	100YR-24HR	4.91	0.00	0.02	2.80	5.33	4.06
EX6S23B_S23A	100YR-24HR	0.35	0.00	0.00	2.25	0.00	1.12
EX6S23_S19	100YR-24HR	2.57	0.00	0.18	0.84	1.25	1.03
EX6S24_CH6_3+A	100YR-24HR	9.93	0.00	-0.02	7.11	7.38	7.22
EX6S25_S24	100YR-24HR	0.62	0.00	0.01	1.72	4.23	2.98
EX6S26_S27	100YR-24HR	0.95	0.00	0.00	2.94	0.00	1.47
EX6S27_6S23A	100YR-24HR	4.55	0.00	0.00	2.73	3.97	3.35
EX6S28_S25	100YR-24HR	0.38	0.00	-0.01	1.50	2.89	2.19
EX6S29_S61	100YR-24HR	1.45	0.00	0.01	2.11	2.37	2.23
EX6S30_S29	100YR-24HR	1.67	0.00	-0.51	15.11	20.90	14.37
EX6S31_S32	100YR-24HR	1.08	0.00	0.00	3.05	20.65	11.85
EX6S32_S71	100YR-24HR	1.08	0.00	0.01	2.03	4.14	2.81
EX6S33_S34	100YR-24HR	0.14	0.00	-0.01	1.48	0.00	0.74
EX6S34_S35	100YR-24HR	0.04	-0.25	0.03	0.17	0.18	0.17
EX6S35_S37	100YR-24HR	0.00	-1.03	0.04	-0.64	-0.66	-0.65
EX6S36_S35	100YR-24HR	0.30	0.00	0.11	3.62	0.00	1.81
EX6S37-CH6_1+B	100YR-24HR	0.00	-2.11	0.00	-1.37	-3.39	-2.38
EX6S39_S37	100YR-24HR	0.12	0.00	-0.01	1.33	1.68	1.39
EX6S40_S42	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S41_S42	100YR-24HR	0.31	0.00	0.00	1.42	2.13	1.78
EX6S42A_S42	100YR-24HR	0.00	-0.36	0.12	-0.37	-0.51	-0.41
EX6S43_S44	100YR-24HR	0.69	0.00	0.02	1.73	2.99	2.36
EX6S44_S45	100YR-24HR	1.42	0.00	0.00	1.99	2.02	2.00
EX6S45_S46	100YR-24HR	1.42	-2.64	-0.02	2.02	-3.61	-2.23
EX6S51A_EX6S51	100YR-24HR	0.01	-0.85	0.81	-0.51	-0.95	-0.72
EX6S53_CH6_2+A	100YR-24HR	0.82	0.00	0.01	1.83	2.49	2.16
EX6S55_S56	100YR-24HR	0.54	0.00	0.01	1.70	4.71	3.20
EX6S56_56A	100YR-24HR	3.91	0.00	0.03	4.04	16.84	10.44
EX6S57_S56	100YR-24HR	2.41	0.00	0.01	2.36	7.50	4.93
EX6S58_S57	100YR-24HR	0.19	0.00	-0.01	1.48	2.26	1.76
EX6S59_S60	100YR-24HR	0.81	-0.08	-0.72	1.47	1.79	1.42
EX6S60_S57	100YR-24HR	2.07	0.00	0.01	2.28	7.65	4.97
EX6S61_S60	100YR-24HR	1.59	0.00	0.02	2.06	2.43	1.94
EX6S62A_S65A	100YR-24HR	0.88	0.00	0.78	0.50	0.50	0.50
EX6S62_S62A	100YR-24HR	0.03	-0.08	-0.01	0.44	-1.51	-0.78
EX6S63_S64	100YR-24HR	0.01	-0.10	0.00	0.16	-1.47	-0.77
EX6S64_S65A	100YR-24HR	0.75	-0.42	0.21	-0.83	-1.63	-1.20
EX6S65C_0601	100YR-24HR	1.28	0.00	-0.26	0.31	0.29	0.30
EX6S68_S23	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S68_WEIR	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S69_S27	100YR-24HR	3.61	0.00	0.01	2.50	2.17	2.34
EX6S69_WEIR	100YR-24HR	0.58	0.00	0.00	0.83	0.83	0.83
EX6S70_S69	100YR-24HR	3.26	0.00	0.01	2.54	8.06	5.29
EX6S70_WEIR	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S71_S70	100YR-24HR	2.64	0.00	0.01	2.38	3.84	2.72
EX6S72_S12	100YR-24HR	0.18	0.00	0.01	1.47	2.74	2.00
EX6S74_4+A	100YR-24HR	0.45	0.00	0.00	2.39	0.32	1.36
EX6S75A_S70	100YR-24HR	0.41	0.00	0.01	1.64	0.39	1.02
EX6S75B_S75A	100YR-24HR	0.12	0.00	-0.01	1.47	0.61	1.04
EX6S75_S75A	100YR-24HR	0.20	0.00	-0.01	1.48	1.16	1.22
EX6S76_S71	100YR-24HR	1.56	-0.04	0.02	1.62	1.40	1.51
EX6S77A_S77	100YR-24HR	0.99	0.00	0.01	1.97	3.75	2.58
EX6S77_S76	100YR-24HR	1.27	0.00	0.01	2.07	5.52	3.79
EX6S78A_S78	100YR-24HR	0.42	0.00	-0.01	1.59	1.14	1.35
EX6S78_S77A	100YR-24HR	0.69	0.00	0.01	1.83	1.37	1.60
EX6S79_S83	100YR-24HR	2.57	0.00	0.00	2.00	2.02	2.01
EX6S83_S85	100YR-24HR	2.82	-0.30	0.36	2.22	-2.03	1.49
EX6S84_S63	100YR-24HR	0.00	-0.07	0.00	-0.29	0.00	-0.14
EX6S85_S84	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S86_S85	100YR-24HR	0.06	0.00	0.01	1.08	0.00	0.54
EX6S87B_S87A	100YR-24HR	0.22	0.00	0.00	1.60	0.00	0.80
PR6S08_S46	100YR-24HR	25.82	0.00	-0.03	18.49	18.96	18.73
PR6S15_S81	100YR-24HR	0.00	-6.19	0.06	-2.87	-4.66	-3.76
PR6S19_6GW4	100YR-24HR	2.73	0.00	0.00	0.00	0.00	0.00
PR6S21_6GW3	100YR-24HR	3.31	0.00	0.00	0.00	0.00	0.00
PR6S21_S15	100YR-24HR	0.00	-2.77	0.08	-1.27	-2.32	-1.74
PR6S23_6GW4	100YR-24HR	2.76	0.00	0.00	0.00	0.00	0.00
PR6S34_6GW0	100YR-24HR	1.41	-0.01	0.00	0.00	0.00	0.00
PR6S35_6GW0	100YR-24HR	1.42	-0.01	0.00	0.00	0.00	0.00
PR6S35_6GW1	100YR-24HR	1.42	-0.01	0.00	0.00	0.00	0.00
PR6S37_6GW1	100YR-24HR	1.48	-0.01	0.00	0.00	0.00	0.00
PR6S42A_6GW1	100YR-24HR	0.35	-0.04	-0.04	0.00	0.00	0.00
PR6S42_6GW	100YR-24HR	0.35	-0.04	-0.04	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
1							
PR6S46A1_6GW2	100YR-24HR	4.12	0.00	0.00	0.00	0.00	0.00
PR6S46A1_PR6S87A	100YR-24HR	0.00	-6.44	0.74	-2.79	-4.20	-3.49
PR6S46A_6GW2	100YR-24HR	4.03	0.00	0.00	0.00	0.00	0.00
PR6S46A_PR6S46A1	100YR-24HR	0.00	-4.05	0.16	-1.16	-2.80	-1.98
PR6S46_S48	100YR-24HR	12.79	0.00	0.07	4.07	7.25	5.66
PR6S48_S87	100YR-24HR	8.05	0.00	0.02	3.26	6.44	4.85
PR6S48_SWALE6E1	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
PR6S50_S15	100YR-24HR	1.14	-0.04	-0.47	0.51	-0.81	-0.58
PR6S51A_6GW3	100YR-24HR	0.36	0.00	0.00	0.00	0.00	0.00
PR6S51_6GW3	100YR-24HR	0.37	0.00	0.00	0.00	0.00	0.00
PR6S56A_6GW3	100YR-24HR	3.33	0.00	0.00	0.00	0.00	0.00
PR6S56A_S21	100YR-24HR	0.71	-0.02	0.05	0.53	1.75	1.14
PR6S81_S82	100YR-24HR	6.55	-0.20	-0.06	3.04	4.76	3.90
PR6S82_S84	100YR-24HR	1.10	-0.10	0.05	1.85	1.43	1.64
PR6S87A1_PR6S87	100YR-24HR	0.07	-2.99	1.29	-2.06	-3.57	-2.76
PR6S87A_S85	100YR-24HR	2.74	-3.07	1.26	2.37	2.52	2.37
PR6S87_S87A	100YR-24HR	3.88	-0.07	1.41	2.61	3.50	2.94
PRSWALE6E2_PR6S46A1	100YR-24HR	2.10	-0.60	-1.50	2.34	-2.42	1.73
SWALE6E1_PRSWALE 6E2	100YR-24HR	1.78	0.00	-0.26	2.93	2.70	2.40
CH6_1+B_S79	100YR-8HR	4.21	-3.34	-0.75	1.80	1.59	1.68
CH6_1+SEC1	100YR-8HR	2.47	0.00	-0.01	2.31	3.10	2.70
CH6_2+B_S50	100YR-8HR	2.20	-0.05	1.22	0.70	-0.78	0.70
CH6_2+SEC1	100YR-8HR	2.47	0.00	0.01	0.68	2.27	1.47
CH6_3+SEC1	100YR-8HR	2.59	0.00	0.02	1.58	2.24	1.91
CH6_4+A_WEIR	100YR-8HR	0.00	-3.38	0.00	0.00	0.00	0.00
CH6_4+SEC1	100YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
CH6_5+SEC1	100YR-8HR	0.00	-0.25	0.00	0.00	-1.11	-0.55
CS6S65_WEIR1	100YR-8HR	13.84	-0.19	3.55	1.15	1.15	1.15
CS6S65_WEI	100YR-8HR	13.84	0.00	-0.04	2.87	2.87	2.87

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R2							
EX6S01_S33	100YR-8HR	0.41	0.00	0.01	1.66	5.21	3.43
EX6S03_CH6_1+A	100YR-8HR	2.47	0.00	0.01	2.61	11.19	6.90
EX6S04_S43	100YR-8HR	1.66	0.00	0.00	2.31	8.52	5.41
EX6S07_P6W	100YR-8HR	2.47	0.00	-0.17	5.87	17.94	10.60
EX6S09_S08	100YR-8HR	4.21	0.00	0.01	2.94	10.04	6.49
EX6S10_S09	100YR-8HR	3.68	0.00	0.01	2.79	4.39	3.01
EX6S11_S10	100YR-8HR	1.05	-0.13	-0.83	1.92	-1.70	1.55
EX6S12_S11	100YR-8HR	0.53	0.00	0.00	1.83	0.79	1.17
EX6S14_P6W	100YR-8HR	2.68	0.00	0.29	6.52	18.90	11.13
EX6S17_S15	100YR-8HR	3.37	0.00	1.59	28.99	30.06	26.17
EX6S18_S19	100YR-8HR	1.26	0.00	0.00	3.19	0.75	1.89
EX6S19_S64	100YR-8HR	10.27	-0.44	-0.06	3.53	3.83	3.62
EX6S20_S17	100YR-8HR	2.64	0.00	0.01	2.50	4.49	3.49
EX6S22_S23	100YR-8HR	1.05	0.00	0.00	3.03	20.66	11.84
EX6S23A_S23	100YR-8HR	14.72	0.00	0.02	4.69	6.31	5.06
EX6S23B_S23A	100YR-8HR	1.05	0.00	0.00	3.03	20.29	11.66
EX6S23_S19	100YR-8HR	11.42	-0.03	-0.18	3.64	3.64	3.64
EX6S24_CH6_3+A	100YR-8HR	9.93	0.00	-0.02	7.11	7.38	7.22
EX6S25_S24	100YR-8HR	1.87	0.00	0.01	2.29	5.85	4.07
EX6S26_S27	100YR-8HR	2.92	0.00	-0.93	26.41	28.20	24.31
EX6S27_6S23A	100YR-8HR	13.65	0.00	-0.01	4.34	6.15	5.23
EX6S28_S25	100YR-8HR	1.14	0.00	0.01	1.99	4.01	3.00
EX6S29_S61	100YR-8HR	3.77	0.00	0.01	2.78	2.89	2.84
EX6S30_S29	100YR-8HR	2.76	0.00	0.83	15.12	24.29	14.43
EX6S31_S32	100YR-8HR	3.24	0.00	1.39	25.10	28.75	23.36
EX6S32_S71	100YR-8HR	3.24	0.00	0.01	2.70	5.47	3.64
EX6S33_S34	100YR-8HR	0.41	0.00	0.01	1.65	5.07	3.36
EX6S34_S35	100YR-8HR	0.07	-2.01	0.03	-0.64	-0.64	-0.64
EX6S35_S37	100YR-8HR	0.00	-7.14	0.04	-2.27	-2.27	-2.27
EX6S36_S35	100YR-8HR	0.89	0.00	0.11	3.60	11.32	6.99
EX6S37-CH6_1+B	100YR-8HR	0.00	-11.68	0.00	-3.72	-5.33	-4.21
EX6S39_S37	100YR-8HR	0.37	0.00	0.01	1.47	2.33	1.90
EX6S40_S42	100YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S41_S42	100YR-8HR	0.93	0.00	0.00	1.94	2.86	2.40
EX6S42A_S42	100YR-8HR	0.00	-1.15	0.63	-0.50	-0.99	-0.72
EX6S43_S44	100YR-8HR	2.07	0.00	0.02	2.33	4.11	3.22
EX6S44_S45	100YR-8HR	4.26	0.00	0.00	2.68	2.70	2.69
EX6S45_S46	100YR-8HR	4.26	-2.64	-0.02	2.70	-3.61	-2.23
EX6S51A_EX6S51	100YR-8HR	0.00	-1.76	-1.45	-0.71	-1.34	-0.99
EX6S53_CH6	100YR-8HR	2.47	0.00	0.01	2.19	3.74	2.97

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
_2+A							
EX6S55_S56	100YR-8HR	1.62	0.00	0.01	2.23	6.53	4.38
EX6S56_56A	100YR-8HR	11.67	0.00	-0.07	5.78	23.30	14.54
EX6S57_S56	100YR-8HR	7.22	0.00	0.01	3.17	10.34	6.76
EX6S58_S57	100YR-8HR	0.57	0.00	0.01	1.65	3.15	2.40
EX6S59_S60	100YR-8HR	1.71	-0.27	0.22	1.47	2.52	1.96
EX6S60_S57	100YR-8HR	6.20	0.00	0.01	3.04	10.58	6.81
EX6S61_S60	100YR-8HR	4.50	0.00	0.02	2.73	3.33	2.54
EX6S62A_S65A	100YR-8HR	1.48	0.00	0.82	0.84	0.84	0.84
EX6S62_S62A	100YR-8HR	0.13	-0.49	-0.12	0.53	-2.40	-1.34
EX6S63_S64	100YR-8HR	3.47	-2.13	-2.09	1.78	-2.44	-1.63
EX6S64_S65A	100YR-8HR	12.43	-0.45	0.21	3.29	4.35	3.82
EX6S65C_0601	100YR-8HR	13.84	0.00	-3.87	3.43	4.14	3.73
EX6S68_S23	100YR-8HR	0.12	-1.08	-0.01	-1.06	-2.82	-1.94
EX6S68_WEIR	100YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S69_S27	100YR-8HR	10.81	-0.08	0.01	3.44	3.44	3.44
EX6S69_WEIR	100YR-8HR	0.01	0.00	0.00	0.00	0.00	0.00
EX6S70_S69	100YR-8HR	9.77	0.00	0.01	3.52	8.86	5.80
EX6S70_WEIR	100YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S71_S70	100YR-8HR	7.91	0.00	0.01	3.25	5.09	3.55
EX6S72_S12	100YR-8HR	0.53	0.00	0.01	1.65	3.54	2.54
EX6S74_4+A	100YR-8HR	1.34	0.00	-0.02	3.25	0.96	2.11
EX6S75A_S70	100YR-8HR	1.22	0.00	0.01	2.10	0.69	1.40
EX6S75B_S75A	100YR-8HR	0.36	0.00	0.01	1.51	0.63	1.07
EX6S75_S75A	100YR-8HR	0.61	0.00	0.01	1.69	2.38	1.79
EX6S76_S71	100YR-8HR	4.66	-0.17	0.02	2.00	1.92	1.96
EX6S77A_S77	100YR-8HR	2.96	0.00	0.01	2.62	4.90	3.31
EX6S77_S76	100YR-8HR	3.81	0.00	0.01	2.81	7.57	5.19
EX6S78A_S78	100YR-8HR	1.26	0.00	0.01	2.08	3.59	2.50
EX6S78_S77A	100YR-8HR	2.07	0.00	0.01	2.39	4.79	3.21
EX6S79_S83	100YR-8HR	4.43	-3.05	-1.02	1.67	1.65	1.60
EX6S83_S85	100YR-8HR	4.90	-2.29	-0.99	1.92	-2.03	1.56
EX6S84_S63	100YR-8HR	3.40	-2.08	1.52	-1.38	-2.78	-2.08
EX6S85_S84	100YR-8HR	3.55	-1.83	-1.31	1.79	2.67	2.12
EX6S86_S85	100YR-8HR	0.39	-0.64	0.38	-1.40	-2.58	-1.99
EX6S87B_S87A	100YR-8HR	0.64	0.00	0.00	1.91	6.85	4.38
PR6S08_S46	100YR-8HR	25.82	0.00	-0.03	18.49	18.96	18.73
PR6S15_S81	100YR-8HR	1.14	-6.19	-0.91	-2.87	-4.66	-3.76
PR6S19_6GW4	100YR-8HR	3.84	-0.01	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR6S21_6GW3	100YR-8HR	8.76	0.00	-0.01	0.00	0.00	0.00
PR6S21_S15	100YR-8HR	0.00	-7.79	-0.11	-2.48	-2.63	-2.48
PR6S23_6GW4	100YR-8HR	4.43	-0.01	0.00	0.00	0.00	0.00
PR6S34_6GW0	100YR-8HR	5.24	-0.01	-0.01	0.00	0.00	0.00
PR6S35_6GW0	100YR-8HR	5.28	-0.01	-0.01	0.00	0.00	0.00
PR6S35_6GW1	100YR-8HR	5.28	-0.01	-0.01	0.00	0.00	0.00
PR6S37_6GW1	100YR-8HR	5.59	-0.01	-0.01	0.00	0.00	0.00
PR6S42A_6GW1	100YR-8HR	0.99	-0.08	-0.08	0.00	0.00	0.00
PR6S42_6GW1	100YR-8HR	1.00	-0.08	-0.08	0.00	0.00	0.00
PR6S46A1_6GW2	100YR-8HR	7.91	0.00	0.00	0.00	0.00	0.00
PR6S46A1_PR6S87A	100YR-8HR	0.00	-11.26	0.52	-3.58	-4.20	-3.58
PR6S46A_6GW2	100YR-8HR	7.76	0.00	0.00	0.00	0.00	0.00
PR6S46A_PR6S46A1	100YR-8HR	0.00	-7.77	0.07	-1.23	-2.80	-1.98
PR6S46_S48	100YR-8HR	12.79	0.00	0.07	4.07	7.25	5.66
PR6S48_S87	100YR-8HR	11.44	0.00	-0.10	3.64	6.44	4.85
PR6S48_SWALE6E1	100YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
PR6S50_S15	100YR-8HR	2.84	-0.06	0.74	0.90	0.90	0.90
PR6S51A_6GW3	100YR-8HR	1.09	0.00	0.00	0.00	0.00	0.00
PR6S51_6GW3	100YR-8HR	1.10	0.00	0.00	0.00	0.00	0.00
PR6S56A_6GW3	100YR-8HR	8.78	0.00	-0.01	0.00	0.00	0.00
PR6S56A_S21	100YR-8HR	2.91	-0.69	1.42	0.67	1.75	1.14
PR6S81_S82	100YR-8HR	6.55	-2.37	1.04	3.04	4.76	3.90
PR6S82_S84	100YR-8HR	1.55	-2.18	0.92	1.85	1.43	1.64
PR6S87A1_PR6S87	100YR-8HR	0.05	-5.71	-1.37	-2.06	-3.57	-2.76
PR6S87A_S85	100YR-8HR	2.74	-3.48	1.50	2.37	2.52	2.37
PR6S87_S87A	100YR-8HR	5.81	-0.05	-1.40	2.61	3.50	2.94
PRSWALE6E2_PR6S46A1	100YR-8HR	5.22	-0.60	-1.48	2.05	-2.42	1.66
SWALE	100YR-8HR	5.17	0.00	0.93	3.13	2.76	2.45

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
6E1_PRSWALE 6E2							
CH6_1+B_S79	10YR-1HR	5.44	-6.53	0.08	-2.75	-4.51	-3.57
CH6_1+SEC1	10YR-1HR	3.28	0.00	0.00	2.50	3.43	2.96
CH6_2+B_S50	10YR-1HR	2.17	-0.13	0.86	1.19	-1.25	1.20
CH6_2+SEC1	10YR-1HR	3.28	0.00	0.01	0.76	2.45	1.60
CH6_3+SEC1	10YR-1HR	3.33	0.00	0.05	1.74	2.42	2.06
CH6_4+A_WEIR	10YR-1HR	0.00	-3.42	-0.01	0.00	0.00	0.00
CH6_4+SEC1	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
CH6_5+SEC1	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
CS6S65_WEIR1	10YR-1HR	10.95	-0.09	3.22	0.91	0.91	0.91
CS6S65_WEIR2	10YR-1HR	10.95	0.00	-0.03	2.65	2.65	2.65
EX6S01_S33	10YR-1HR	0.54	0.00	0.01	1.76	5.67	3.71
EX6S03_CH6_1+A	10YR-1HR	3.29	0.00	0.01	2.80	12.16	7.48
EX6S04_S43	10YR-1HR	2.21	0.00	0.00	2.47	9.26	5.87
EX6S07_P6W	10YR-1HR	3.29	0.00	0.13	5.87	19.53	11.43
EX6S09_S08	10YR-1HR	5.38	0.00	0.01	3.24	10.76	7.00
EX6S10_S09	10YR-1HR	4.69	0.00	0.01	3.03	5.96	4.02
EX6S11_S10	10YR-1HR	0.87	-0.93	-0.64	1.92	-2.86	-2.01
EX6S12_S11	10YR-1HR	0.70	0.00	0.00	1.93	0.84	1.24
EX6S14_P6W	10YR-1HR	3.56	0.00	0.15	6.50	20.57	12.00
EX6S17_S15	10YR-1HR	4.47	0.00	0.79	28.99	32.72	26.17
EX6S18_S19	10YR-1HR	1.67	0.00	0.00	3.47	33.00	18.23
EX6S19_S64	10YR-1HR	13.20	-0.78	-0.01	4.20	5.02	4.61
EX6S20_S17	10YR-1HR	3.50	0.00	0.01	2.72	4.85	3.79
EX6S22_S23	10YR-1HR	1.40	0.00	0.00	3.29	22.53	12.91
EX6S23A_S23	10YR-1HR	19.12	0.00	0.02	6.08	7.35	6.72
EX6S23B_S23A	10YR-1HR	2.67	0.00	0.67	24.02	26.86	22.56
EX6S23_S19	10YR-1HR	15.36	-0.12	0.02	4.89	4.89	4.89
EX6S24_CH6_3+A	10YR-1HR	9.93	0.00	-0.02	7.11	7.38	7.22
EX6S25_S24	10YR-1HR	2.48	0.00	0.01	2.47	6.35	4.41
EX6S26_S27	10YR-1HR	3.77	0.00	0.73	26.40	30.43	24.31
EX6S27_6S23A	10YR-1HR	17.72	0.00	-0.03	5.64	6.95	6.30
EX6S28_S25	10YR-1HR	1.51	0.00	0.01	2.14	4.35	3.25
EX6S29_S61	10YR-1HR	5.01	0.00	0.02	3.10	3.57	3.15
EX6S30_S29	10YR-1HR	3.66	0.00	0.83	15.12	26.43	15.36
EX6S31_S32	10YR-1HR	4.31	0.00	0.70	25.11	31.29	23.36
EX6S32_S71	10YR-1HR	4.31	0.00	0.01	2.95	8.19	5.37

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S33_S34	10YR-1HR	0.52	0.00	0.01	1.74	5.46	3.60
EX6S34_S35	10YR-1HR	0.15	-0.75	0.00	-0.78	-1.24	-0.91
EX6S35_S37	10YR-1HR	0.00	-3.47	0.00	-1.86	-3.72	-2.72
EX6S36_S35	10YR-1HR	1.18	0.00	0.06	3.59	12.36	7.52
EX6S37-CH6_1+B	10YR-1HR	0.00	-6.09	0.00	-2.18	-4.62	-3.40
EX6S39_S37	10YR-1HR	0.48	0.00	0.01	1.58	2.54	2.06
EX6S40_S42	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S41_S42	10YR-1HR	1.24	0.00	0.00	2.11	3.10	2.60
EX6S42A_S42	10YR-1HR	0.00	-0.86	0.00	-1.06	-2.26	-1.64
EX6S43_S44	10YR-1HR	2.75	0.00	0.02	2.52	4.28	3.35
EX6S44_S45	10YR-1HR	5.65	0.00	0.00	2.91	2.93	2.92
EX6S45_S46	10YR-1HR	5.65	-2.64	-0.02	2.93	-3.61	2.36
EX6S51A_EX6S51	10YR-1HR	0.00	-1.42	-0.95	-1.22	-2.26	-1.72
EX6S53_CH6_2+A	10YR-1HR	3.29	0.00	-0.04	2.37	4.16	3.26
EX6S55_S56	10YR-1HR	2.15	0.00	0.01	2.40	7.09	4.74
EX6S56_56A	10YR-1HR	14.97	0.00	-0.13	6.40	25.05	15.72
EX6S57_S56	10YR-1HR	9.37	0.00	0.01	3.46	11.13	7.30
EX6S58_S57	10YR-1HR	0.75	0.00	0.01	1.78	3.42	2.60
EX6S59_S60	10YR-1HR	2.26	-0.68	-0.22	1.89	3.53	2.70
EX6S60_S57	10YR-1HR	8.23	0.00	0.01	3.32	11.47	7.39
EX6S61_S60	10YR-1HR	5.97	0.00	0.02	2.92	4.66	3.50
EX6S62A_S65A	10YR-1HR	1.91	0.00	0.70	1.48	1.31	1.30
EX6S62_S62A	10YR-1HR	0.08	-1.32	-0.03	0.78	-3.15	-1.95
EX6S63_S64	10YR-1HR	0.04	-4.15	0.01	-1.29	-3.16	-2.22
EX6S64_S65A	10YR-1HR	9.05	-1.00	0.12	2.81	3.66	3.21
EX6S65C_0601	10YR-1HR	10.95	0.00	-0.90	2.91	5.21	4.04
EX6S68_S23	10YR-1HR	0.33	-3.14	0.02	-1.76	-3.78	-2.77
EX6S68_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S69_S27	10YR-1HR	13.98	-0.60	0.07	4.45	4.45	4.45
EX6S69_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S70_S69	10YR-1HR	12.94	0.00	0.01	4.12	11.77	7.81
EX6S70_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S71_S70	10YR-1HR	10.48	0.00	0.01	3.61	7.90	5.46
EX6S72_S12	10YR-1HR	0.70	0.00	0.01	1.77	4.15	2.96
EX6S74_4+A	10YR-1HR	1.78	0.00	0.02	3.53	23.12	13.33
EX6S75A_S70	10YR-1HR	1.61	0.00	0.01	2.26	0.91	1.58
EX6S75B_S75A	10YR-1HR	0.48	0.00	0.01	1.62	0.68	1.15
EX6S75_S75A	10YR-1HR	0.81	0.00	0.01	1.82	3.76	2.75

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S76_S71	10YR-1HR	6.18	-0.71	0.03	2.18	-2.53	2.16
EX6S77A_S77	10YR-1HR	3.92	0.00	0.01	2.85	7.29	4.85
EX6S77_S76	10YR-1HR	5.05	0.00	0.01	3.12	8.18	5.65
EX6S78A_S78	10YR-1HR	1.67	0.00	0.01	2.24	5.30	3.61
EX6S78_S77A	10YR-1HR	2.74	0.00	0.01	2.58	7.18	4.70
EX6S79_S83	10YR-1HR	5.61	-6.18	0.06	2.65	2.81	2.73
EX6S83_S85	10YR-1HR	5.98	-5.19	0.09	2.96	-2.03	2.42
EX6S84_S63	10YR-1HR	0.00	-4.15	0.01	-1.82	-3.37	-2.59
EX6S85_S84	10YR-1HR	1.04	-2.65	0.03	-1.40	-2.95	-2.16
EX6S86_S85	10YR-1HR	0.07	-0.53	0.02	-1.30	-2.45	-1.88
EX6S87B_S87A	10YR-1HR	0.80	0.00	0.00	2.00	7.32	4.66
PR6S08_S46	10YR-1HR	25.82	0.00	-0.03	18.49	18.96	18.73
PR6S15_S81	10YR-1HR	0.60	-6.19	0.06	-2.87	-4.66	-3.76
PR6S19_6GW4	10YR-1HR	4.82	0.00	0.00	0.00	0.00	0.00
PR6S21_6GW3	10YR-1HR	11.17	0.00	0.00	0.00	0.00	0.00
PR6S21_S15	10YR-1HR	0.00	-9.64	-0.01	-3.07	-3.62	-3.07
PR6S23_6GW4	10YR-1HR	5.13	0.00	0.00	0.00	0.00	0.00
PR6S34_6GW0	10YR-1HR	2.38	0.00	0.00	0.00	0.00	0.00
PR6S35_6GW0	10YR-1HR	2.43	0.00	0.00	0.00	0.00	0.00
PR6S35_6GW1	10YR-1HR	2.43	0.00	0.00	0.00	0.00	0.00
PR6S37_6GW1	10YR-1HR	3.43	0.00	0.00	0.00	0.00	0.00
PR6S42A_6GW1	10YR-1HR	0.86	0.00	0.00	0.00	0.00	0.00
PR6S42_6GW1	10YR-1HR	0.87	0.00	0.00	0.00	0.00	0.00
PR6S46A1_6GW2	10YR-1HR	7.91	0.00	0.00	0.00	0.00	0.00
PR6S46A1_PR6S87A	10YR-1HR	0.00	-11.81	0.05	-3.76	-4.20	-3.76
PR6S46A_6GW2	10YR-1HR	7.76	0.00	0.00	0.00	0.00	0.00
PR6S46A_PR6S46A1	10YR-1HR	0.00	-7.79	-0.01	-1.82	-3.48	-2.54
PR6S46_S48	10YR-1HR	13.31	0.00	0.07	4.24	7.25	5.66
PR6S48_S87	10YR-1HR	14.95	0.00	0.02	4.76	6.44	4.85
PR6S48_SWALE6E1	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
PR6S50_S15	10YR-1HR	2.93	-0.12	0.37	1.43	1.49	1.46
PR6S51A_6G	10YR-1HR	1.21	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W3							
PR6S51_6GW3	10YR-1HR	1.21	0.00	0.00	0.00	0.00	0.00
PR6S56A_6GW3	10YR-1HR	11.19	0.00	0.00	0.00	0.00	0.00
PR6S56A_S21	10YR-1HR	5.04	-0.94	0.06	1.51	1.82	1.66
PR6S81_S82	10YR-1HR	6.55	-3.49	-0.06	3.04	4.76	3.90
PR6S82_S84	10YR-1HR	1.10	-3.33	0.08	1.85	1.43	1.64
PR6S87A1_PR6S87	10YR-1HR	0.00	-7.37	-0.76	-2.35	-3.57	-2.76
PR6S87A_S85	10YR-1HR	3.93	-6.11	-0.12	2.37	2.52	2.37
PR6S87_S87A	10YR-1HR	7.50	-0.01	-0.82	2.61	3.50	2.94
PRSWALE 6E2_PR6S46A1	10YR-1HR	4.66	-0.60	0.11	3.20	4.17	3.36
SWALE 6E1_PRSWALE 6E2	10YR-1HR	4.66	0.00	0.47	4.03	4.62	3.99
CH6_1+B_S79	10YR-24HR	1.81	0.00	0.01	2.01	1.85	1.93
CH6_1+SEC1	10YR-24HR	0.54	0.00	0.00	1.47	1.78	1.62
CH6_2+B_S50	10YR-24HR	0.79	-0.02	-0.71	0.47	0.46	0.46
CH6_2+SEC1	10YR-24HR	0.54	0.00	0.01	0.35	1.45	0.90
CH6_3+SEC1	10YR-24HR	2.59	0.00	0.02	1.58	2.24	1.91
CH6_4+A_WEIR	10YR-24HR	0.00	-0.73	0.00	0.00	0.00	0.00
CH6_4+SEC1	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
CH6_5+SEC1	10YR-24HR	0.00	-0.07	0.00	0.00	-0.75	-0.37
CS6S65_WEIR1	10YR-24HR	0.22	-0.24	0.24	-0.02	-0.02	-0.02
CS6S65_WEIR2	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S01_S33	10YR-24HR	0.09	0.00	0.01	1.47	0.00	0.74
EX6S03_CH6_1+A	10YR-24HR	0.54	0.00	0.01	1.93	7.11	4.52
EX6S04_S43	10YR-24HR	0.37	0.00	0.00	1.67	5.41	3.54
EX6S07_P6W	10YR-24HR	0.54	0.00	0.22	5.88	0.00	2.94
EX6S09_S08	10YR-24HR	0.92	0.00	0.01	1.97	6.43	4.20
EX6S10_S09	10YR-24HR	0.80	0.00	0.01	1.86	1.72	1.79
EX6S11_S10	10YR-24HR	0.15	-0.01	-0.02	1.47	0.36	0.92
EX6S12_S11	10YR-24HR	0.12	0.00	0.00	1.49	0.80	1.12
EX6S14_P6W	10YR-24HR	0.59	0.00	0.22	6.50	0.85	3.56
EX6S17_S15	10YR-24HR	0.74	0.00	0.00	2.75	0.00	1.37
EX6S18_S19	10YR-24HR	0.28	0.00	0.00	2.11	0.47	1.25
EX6S19_S64	10YR-24HR	0.00	-0.32	0.00	-0.79	-2.05	-1.42
EX6S20_S17	10YR-24HR	0.58	0.00	0.01	1.66	2.91	2.28

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S22_S23	10YR-24HR	0.23	0.00	0.00	2.01	0.00	1.01
EX6S23A_S23	10YR-24HR	3.23	0.00	0.02	2.49	4.73	3.61
EX6S23B_S23A	10YR-24HR	0.23	0.00	0.00	2.01	0.00	1.01
EX6S23_S19	10YR-24HR	1.31	0.00	0.17	0.73	1.12	0.91
EX6S24_CH6_3+A	10YR-24HR	9.93	0.00	-0.02	7.11	7.38	7.22
EX6S25_S24	10YR-24HR	0.41	0.00	0.01	1.56	3.73	2.64
EX6S26_S27	10YR-24HR	0.62	0.00	0.00	2.62	0.00	1.31
EX6S27_6S23A	10YR-24HR	3.00	0.00	0.00	2.43	3.49	2.96
EX6S28_S25	10YR-24HR	0.25	0.00	-0.01	1.47	2.56	1.95
EX6S29_S61	10YR-24HR	0.83	0.00	0.01	1.82	1.82	1.81
EX6S30_S29	10YR-24HR	0.61	0.00	0.00	2.60	0.00	1.30
EX6S31_S32	10YR-24HR	0.71	0.00	0.00	2.72	0.00	1.36
EX6S32_S71	10YR-24HR	0.71	0.00	0.01	1.84	3.73	2.56
EX6S33_S34	10YR-24HR	0.09	0.00	0.01	1.48	0.00	0.74
EX6S34_S35	10YR-24HR	0.03	-0.08	0.02	-0.12	-0.13	-0.13
EX6S35_S37	10YR-24HR	0.00	-0.43	0.02	-0.38	-0.43	-0.40
EX6S36_S35	10YR-24HR	0.22	0.00	0.11	3.61	0.00	1.81
EX6S37-CH6_1+B	10YR-24HR	0.00	-0.91	0.00	-0.98	-2.71	-1.84
EX6S39_S37	10YR-24HR	0.08	0.00	-0.01	1.33	1.48	1.24
EX6S40_S42	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S41_S42	10YR-24HR	0.21	0.00	0.00	1.26	1.91	1.59
EX6S42A_S42	10YR-24HR	0.00	-0.22	0.06	-0.25	-0.34	-0.29
EX6S43_S44	10YR-24HR	0.46	0.00	0.02	1.56	2.65	2.10
EX6S44_S45	10YR-24HR	0.94	0.00	0.00	1.78	1.82	1.80
EX6S45_S46	10YR-24HR	0.94	-2.64	-0.02	1.82	-3.61	-2.23
EX6S51A_EX6S51	10YR-24HR	0.00	-0.54	0.54	-0.46	-0.74	-0.59
EX6S53_CH6_2+A	10YR-24HR	0.54	0.00	-0.01	1.64	2.16	1.90
EX6S55_S56	10YR-24HR	0.36	0.00	0.01	1.54	4.16	2.85
EX6S56_56A	10YR-24HR	2.56	0.00	-0.03	3.58	14.83	9.21
EX6S57_S56	10YR-24HR	1.58	0.00	0.01	2.12	6.62	4.37
EX6S58_S57	10YR-24HR	0.12	0.00	0.01	1.48	2.00	1.57
EX6S59_S60	10YR-24HR	0.75	-0.08	0.67	1.48	1.57	1.31
EX6S60_S57	10YR-24HR	1.37	0.00	0.01	2.06	6.76	4.41
EX6S61_S60	10YR-24HR	0.99	0.00	0.02	1.82	2.31	1.80
EX6S62A_S65A	10YR-24HR	0.74	-0.36	-0.74	0.42	0.42	0.42
EX6S62_S62A	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S63_S64	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S64_S65A	10YR-24HR	0.00	-0.33	-0.03	-0.80	-1.53	-1.10
EX6S65C_0601	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S68_S23	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S68_WEIR	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S69_S27	10YR-24HR	2.37	0.00	0.01	2.28	1.93	2.11
EX6S69_WEIR	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S70_S69	10YR-24HR	2.15	0.00	-0.01	2.29	7.19	4.74
EX6S70_WEIR	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S71_S70	10YR-24HR	1.74	0.00	0.01	2.13	3.44	2.45
EX6S72_S12	10YR-24HR	0.12	0.00	0.01	1.47	0.00	0.74
EX6S74_4+A	10YR-24HR	0.29	0.00	0.01	2.14	0.21	1.18
EX6S75A_S70	10YR-24HR	0.27	0.00	0.01	1.51	0.34	0.93
EX6S75B_S75A	10YR-24HR	0.08	0.00	-0.01	1.48	0.62	1.05
EX6S75_S75A	10YR-24HR	0.13	0.00	-0.01	1.48	0.97	1.21
EX6S76_S71	10YR-24HR	1.03	-0.03	0.02	1.53	1.26	1.39
EX6S77A_S77	10YR-24HR	0.65	0.00	0.01	1.78	1.45	1.61
EX6S77_S76	10YR-24HR	0.84	0.00	0.01	1.87	4.88	3.37
EX6S78A_S78	10YR-24HR	0.28	0.00	-0.01	1.47	1.07	1.24
EX6S78_S77A	10YR-24HR	0.45	0.00	0.01	1.66	1.24	1.45
EX6S79_S83	10YR-24HR	1.88	0.00	0.00	1.92	1.92	1.91
EX6S83_S85	10YR-24HR	2.07	-0.30	0.11	2.11	-2.03	1.38
EX6S84_S63	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S85_S84	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S86_S85	10YR-24HR	0.02	0.00	0.00	0.00	0.00	0.00
EX6S87B_S87A	10YR-24HR	0.14	0.00	0.00	1.53	0.00	0.77
PR6S08_S46	10YR-24HR	25.82	0.00	-0.03	18.49	18.96	18.73
PR6S15_S81	10YR-24HR	0.00	-6.19	0.06	-2.87	-4.66	-3.76
PR6S19_6GW4	10YR-24HR	2.17	-0.01	0.00	0.00	0.00	0.00
PR6S21_6GW3	10YR-24HR	2.10	0.00	0.00	0.00	0.00	0.00
PR6S21_S15	10YR-24HR	0.00	-1.69	-0.10	-1.05	-2.03	-1.48
PR6S23_6GW4	10YR-24HR	2.18	-0.01	0.00	0.00	0.00	0.00
PR6S34_6GW0	10YR-24HR	0.71	-0.01	-0.01	0.00	0.00	0.00
PR6S35_6GW0	10YR-24HR	0.71	-0.01	-0.01	0.00	0.00	0.00
PR6S35_6GW1	10YR-24HR	0.71	-0.01	-0.01	0.00	0.00	0.00
PR6S37_6GW1	10YR-24HR	0.74	-0.01	-0.01	0.00	0.00	0.00
PR6S42A_6GW1	10YR-24HR	0.21	-0.06	-0.06	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR6S42_6GW1	10YR-24HR	0.21	-0.06	-0.06	0.00	0.00	0.00
PR6S46A1_6GW2	10YR-24HR	2.89	0.00	0.00	0.00	0.00	0.00
PR6S46A1_PR6S87A	10YR-24HR	0.00	-4.69	0.72	-2.79	-4.20	-3.49
PR6S46A_6GW2	10YR-24HR	2.80	0.00	0.00	0.00	0.00	0.00
PR6S46A_PR6S46A1	10YR-24HR	0.00	-2.83	0.11	-1.16	-2.80	-1.98
PR6S46_S48	10YR-24HR	12.79	0.00	0.07	4.07	7.25	5.66
PR6S48_S87	10YR-24HR	8.05	0.00	0.02	3.26	6.44	4.85
PR6S48_SWALE6E1	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
PR6S50_S15	10YR-24HR	0.78	-0.04	0.44	0.46	-0.81	-0.58
PR6S51A_6GW3	10YR-24HR	0.23	0.00	0.00	0.00	0.00	0.00
PR6S51_6GW3	10YR-24HR	0.23	0.00	0.00	0.00	0.00	0.00
PR6S56A_6GW3	10YR-24HR	2.11	0.00	0.00	0.00	0.00	0.00
PR6S56A_S21	10YR-24HR	0.46	-0.02	0.04	0.53	1.75	1.14
PR6S81_S82	10YR-24HR	6.55	-0.20	-0.06	3.04	4.76	3.90
PR6S82_S84	10YR-24HR	1.10	-0.07	0.05	1.85	1.43	1.64
PR6S87A1_PR6S87	10YR-24HR	0.04	-2.99	-1.11	-2.06	-3.57	-2.76
PR6S87A_S85	10YR-24HR	2.74	-2.48	1.22	2.37	2.52	2.37
PR6S87_S87A	10YR-24HR	3.88	-0.04	1.27	2.61	3.50	2.94
PRSWALE6E2_PR6S46A1	10YR-24HR	1.83	-0.60	-1.43	2.08	-2.42	-1.55
SWALE6E1_PRSWALE 6E2	10YR-24HR	1.16	0.00	0.12	2.78	2.60	2.31
CH6_1+B_S79	10YR-8HR	2.78	-1.20	-0.88	1.90	1.70	1.80
CH6_1+SEC1	10YR-8HR	1.75	0.00	0.00	2.09	2.74	2.41
CH6_2+B_S50	10YR-8HR	1.73	-0.04	1.23	0.55	-0.62	0.55
CH6_2+SEC1	10YR-8HR	1.75	0.00	0.01	0.58	2.06	1.32
CH6_3+SEC1	10YR-8HR	2.59	0.00	0.02	1.58	2.24	1.91
CH6_4+A_WEIR	10YR-8HR	0.00	-2.28	0.00	0.00	0.00	0.00
CH6_4+SEC1	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
CH6_5+SEC1	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
CS6S65_WEIR1	10YR-8HR	6.07	-0.17	3.47	0.51	0.51	0.51

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS6S65_WEIR2	10YR-8HR	6.04	0.00	-0.04	2.18	2.18	2.18
EX6S01_S33	10YR-8HR	0.29	0.00	-0.01	1.55	4.68	3.12
EX6S03_CH6_1+A	10YR-8HR	1.75	0.00	0.01	2.41	10.10	6.26
EX6S04_S43	10YR-8HR	1.18	0.00	0.00	2.13	7.68	4.91
EX6S07_P6W	10YR-8HR	1.75	0.00	0.22	5.89	16.17	9.70
EX6S09_S08	10YR-8HR	2.95	0.00	0.01	2.64	9.06	5.85
EX6S10_S09	10YR-8HR	2.57	0.00	0.01	2.51	4.12	2.83
EX6S11_S10	10YR-8HR	0.91	-0.11	-0.84	1.84	-1.65	1.49
EX6S12_S11	10YR-8HR	0.37	0.00	0.00	1.72	0.80	1.13
EX6S14_P6W	10YR-8HR	1.89	0.00	-0.19	6.50	16.76	10.06
EX6S17_S15	10YR-8HR	3.17	0.00	0.79	28.97	29.55	26.16
EX6S18_S19	10YR-8HR	0.89	0.00	0.00	2.89	0.64	1.76
EX6S19_S64	10YR-8HR	6.31	-0.45	0.06	3.01	3.20	3.10
EX6S20_S17	10YR-8HR	1.86	0.00	0.01	2.26	4.08	3.17
EX6S22_S23	10YR-8HR	0.75	0.00	0.00	2.75	0.00	1.38
EX6S23A_S23	10YR-8HR	10.38	0.00	0.02	3.59	6.31	4.86
EX6S23B_S23A	10YR-8HR	0.75	0.00	0.00	2.75	0.00	1.38
EX6S23_S19	10YR-8HR	7.72	-0.02	0.18	2.46	2.46	2.46
EX6S24_CH6_3+A	10YR-8HR	9.93	0.00	-0.02	7.11	7.38	7.22
EX6S25_S24	10YR-8HR	1.32	0.00	0.01	2.09	5.29	3.69
EX6S26_S27	10YR-8HR	2.92	0.00	-0.93	26.41	28.20	24.31
EX6S27_6S23A	10YR-8HR	9.62	0.00	-0.01	3.47	5.09	4.28
EX6S28_S25	10YR-8HR	0.80	0.00	0.01	1.81	3.62	2.72
EX6S29_S61	10YR-8HR	2.67	0.00	0.01	2.50	2.56	2.53
EX6S30_S29	10YR-8HR	1.95	0.00	-0.51	15.12	21.90	14.38
EX6S31_S32	10YR-8HR	2.79	0.00	0.70	25.11	27.48	23.36
EX6S32_S71	10YR-8HR	2.30	0.00	0.01	2.45	5.03	3.36
EX6S33_S34	10YR-8HR	0.29	0.00	0.01	1.54	4.56	3.05
EX6S34_S35	10YR-8HR	0.10	-1.03	0.02	-0.39	-0.39	-0.39
EX6S35_S37	10YR-8HR	0.00	-3.87	0.03	-1.36	-1.44	-1.40
EX6S36_S35	10YR-8HR	0.63	0.00	-0.09	3.60	10.21	6.43
EX6S37-CH6_1+B	10YR-8HR	0.00	-6.21	0.00	-2.20	-4.65	-3.43
EX6S39_S37	10YR-8HR	0.26	0.00	0.01	1.34	2.11	1.72
EX6S40_S42	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S41_S42	10YR-8HR	0.66	0.00	0.00	1.76	2.60	2.18
EX6S42A_S42	10YR-8HR	0.00	-0.76	-0.31	-0.42	-0.63	-0.52
EX6S43_S44	10YR-8HR	1.46	0.00	0.02	2.12	3.72	2.92
EX6S44_S45	10YR-8HR	3.01	0.00	0.00	2.44	2.46	2.45
EX6S45_S46	10YR-8HR	3.01	-2.64	-0.02	2.46	-3.61	-2.23
EX6S51A_EX6S51	10YR-8HR	0.00	-1.54	-1.26	-0.60	-0.92	-0.75

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S53_CH6_2+A	10YR-8HR	1.75	0.00	0.01	2.05	3.27	2.66
EX6S55_S56	10YR-8HR	1.15	0.00	0.01	2.04	5.89	3.97
EX6S56_56A	10YR-8HR	8.19	0.00	-0.07	5.09	21.00	13.04
EX6S57_S56	10YR-8HR	5.09	0.00	0.01	2.87	9.34	6.11
EX6S58_S57	10YR-8HR	0.40	0.00	0.01	1.51	2.84	2.18
EX6S59_S60	10YR-8HR	1.21	-0.21	-0.67	1.47	2.34	1.83
EX6S60_S57	10YR-8HR	4.39	0.00	0.01	2.77	9.56	6.16
EX6S61_S60	10YR-8HR	3.18	0.00	0.02	2.48	3.09	2.36
EX6S62A_S65A	10YR-8HR	1.09	0.00	0.82	0.74	0.61	0.61
EX6S62_S62A	10YR-8HR	0.07	-0.40	0.05	0.47	-2.28	-1.25
EX6S63_S64	10YR-8HR	0.02	-1.45	0.01	-0.64	-2.21	-1.37
EX6S64_S65A	10YR-8HR	5.03	-0.43	0.21	2.14	2.66	2.40
EX6S65C_0601	10YR-8HR	6.04	0.00	0.12	1.83	1.81	1.82
EX6S68_S23	10YR-8HR	0.08	-0.61	0.01	-0.78	-2.42	-1.60
EX6S68_WEIR	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S69_S27	10YR-8HR	7.62	-0.04	0.01	2.87	2.75	2.81
EX6S69_WEIR	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S70_S69	10YR-8HR	6.91	0.00	0.01	3.13	8.87	5.81
EX6S70_WEIR	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S71_S70	10YR-8HR	5.59	0.00	0.01	2.92	4.64	3.25
EX6S72_S12	10YR-8HR	0.37	0.00	-0.01	1.51	3.36	2.42
EX6S74_4+A	10YR-8HR	0.95	0.00	-0.02	2.94	0.68	1.81
EX6S75A_S70	10YR-8HR	0.86	0.00	0.01	1.94	0.52	1.23
EX6S75B_S75A	10YR-8HR	0.26	0.00	0.01	1.47	0.61	1.04
EX6S75_S75A	10YR-8HR	0.43	0.00	0.01	1.55	2.25	1.70
EX6S76_S71	10YR-8HR	3.30	-0.12	0.02	1.85	1.72	1.79
EX6S77A_S77	10YR-8HR	2.09	0.00	0.01	2.38	4.52	3.07
EX6S77_S76	10YR-8HR	2.70	0.00	0.01	2.54	6.86	4.70
EX6S78A_S78	10YR-8HR	0.89	0.00	0.01	1.90	3.31	2.32
EX6S78_S77A	10YR-8HR	1.46	0.00	0.01	2.19	4.42	2.97
EX6S79_S83	10YR-8HR	2.95	-1.06	0.92	1.81	1.76	1.79
EX6S83_S85	10YR-8HR	3.27	-0.82	0.98	2.04	-2.03	1.31
EX6S84_S63	10YR-8HR	0.00	-1.44	0.01	-1.19	-2.53	-1.86
EX6S85_S84	10YR-8HR	0.99	-0.20	-0.18	1.30	2.18	1.68
EX6S86_S85	10YR-8HR	0.15	-0.36	0.13	-1.12	-2.22	-1.67
EX6S87B_S87A	10YR-8HR	0.45	0.00	0.00	1.79	6.16	3.98
PR6S08_S46	10YR-8HR	25.82	0.00	-0.03	18.49	18.96	18.73
PR6S15_S81	10YR-8HR	0.34	-6.19	0.92	-2.87	-4.66	-3.76
PR6S19_6GW	10YR-8HR	3.27	-0.01	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
4							
PR6S21_6GW3	10YR-8HR	6.93	0.00	0.00	0.00	0.00	0.00
PR6S21_S15	10YR-8HR	0.00	-6.60	0.07	-2.10	-2.44	-2.10
PR6S23_6GW4	10YR-8HR	3.51	-0.01	0.00	0.00	0.00	0.00
PR6S34_6GW0	10YR-8HR	2.85	-0.02	-0.01	0.00	0.00	0.00
PR6S35_6GW0	10YR-8HR	2.87	-0.02	-0.01	0.00	0.00	0.00
PR6S35_6GW1	10YR-8HR	2.87	-0.02	-0.01	0.00	0.00	0.00
PR6S37_6GW1	10YR-8HR	3.11	-0.02	-0.01	0.00	0.00	0.00
PR6S42A_6GW1	10YR-8HR	0.63	-0.10	-0.10	0.00	0.00	0.00
PR6S42_6GW1	10YR-8HR	0.64	-0.10	-0.10	0.00	0.00	0.00
PR6S46A1_6GW2	10YR-8HR	5.91	0.00	0.00	0.00	0.00	0.00
PR6S46A1_PR6S87A	10YR-8HR	0.00	-8.90	-0.58	-2.83	-4.20	-3.49
PR6S46A_6GW2	10YR-8HR	5.82	0.00	0.00	0.00	0.00	0.00
PR6S46A_PR6S46A1	10YR-8HR	0.00	-5.85	0.08	-1.16	-2.80	-1.98
PR6S46_S48	10YR-8HR	12.79	0.00	0.07	4.07	7.25	5.66
PR6S48_S87	10YR-8HR	8.05	0.00	0.06	3.26	6.44	4.85
PR6S48_SWALE6E1	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
PR6S50_S15	10YR-8HR	1.83	-0.05	0.79	0.64	-0.81	0.63
PR6S51A_6GW3	10YR-8HR	0.82	0.00	0.00	0.00	0.00	0.00
PR6S51_6GW3	10YR-8HR	0.82	0.00	0.00	0.00	0.00	0.00
PR6S56A_6GW3	10YR-8HR	6.94	0.00	0.00	0.00	0.00	0.00
PR6S56A_S21	10YR-8HR	1.74	-0.59	-0.17	0.64	1.75	1.14
PR6S81_S82	10YR-8HR	6.55	-1.89	-0.87	3.04	4.76	3.90
PR6S82_S84	10YR-8HR	1.10	-1.68	0.93	1.85	1.43	1.64
PR6S87A1_PR6S87	10YR-8HR	0.09	-3.99	-1.30	-2.06	-3.57	-2.76
PR6S87A_S85	10YR-8HR	2.74	-3.19	-1.46	2.37	2.52	2.37
PR6S87_S87A	10YR-8HR	4.07	-0.09	1.33	2.61	3.50	2.94
PRSWALE6E2_PR6S46A1	10YR-8HR	3.10	-0.60	-1.52	2.19	-2.42	1.63

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
SWALE 6E1_PRSWALE 6E2	10YR-8HR	3.09	0.00	0.94	3.28	2.54	2.26
CH6_1+B_S79	25YR-72HR	5.60	-8.84	0.09	-2.81	-3.08	-2.93
CH6_1+SEC1	25YR-72HR	3.77	0.00	0.00	2.59	3.60	3.09
CH6_2+B_S50	25YR-72HR	3.65	-0.02	-1.28	1.16	1.16	1.16
CH6_2+SEC1	25YR-72HR	3.77	0.00	0.01	0.80	2.54	1.67
CH6_3+SEC1	25YR-72HR	3.83	0.00	-0.03	1.81	2.48	2.15
CH6_4+A_WEIR	25YR-72HR	0.00	-5.38	0.00	0.00	0.00	0.00
CH6_4+SEC1	25YR-72HR	0.00	0.00	0.00	0.00	0.00	0.00
CH6_5+SEC1	25YR-72HR	0.14	-2.61	0.01	0.05	-2.24	-1.12
CS6S65_WEIR1	25YR-72HR	23.30	-0.23	-3.32	1.94	1.94	1.94
CS6S65_WEIR2	25YR-72HR	23.30	0.00	-0.03	3.41	3.41	3.41
EX6S01_S33	25YR-72HR	0.62	0.00	0.01	1.82	5.91	3.86
EX6S03_CH6_1+A	25YR-72HR	3.77	0.00	0.01	2.91	12.66	7.78
EX6S04_S43	25YR-72HR	2.54	0.00	0.00	2.56	9.64	6.10
EX6S07_P6W	25YR-72HR	3.77	0.00	0.22	5.89	20.34	11.86
EX6S09_S08	25YR-72HR	6.48	0.00	-0.01	3.67	11.33	7.50
EX6S10_S09	25YR-72HR	5.68	0.00	0.01	3.31	3.22	3.26
EX6S11_S10	25YR-72HR	1.16	0.00	0.69	2.00	1.24	1.62
EX6S12_S11	25YR-72HR	0.80	0.00	0.00	1.99	0.79	1.26
EX6S14_P6W	25YR-72HR	4.08	0.00	-0.19	6.51	21.43	12.45
EX6S17_S15	25YR-72HR	5.13	0.00	-0.90	28.99	34.09	26.17
EX6S18_S19	25YR-72HR	1.92	0.00	0.00	3.61	34.41	19.01
EX6S19_S64	25YR-72HR	18.46	-0.33	-0.04	5.88	5.88	5.88
EX6S20_S17	25YR-72HR	4.02	0.00	-0.01	2.84	5.03	3.94
EX6S22_S23	25YR-72HR	2.87	0.00	0.72	25.98	27.96	24.00
EX6S23A_S23	25YR-72HR	22.40	0.00	0.02	7.13	7.46	7.29
EX6S23B_S23A	25YR-72HR	2.67	0.00	0.67	24.01	26.86	22.56
EX6S23_S19	25YR-72HR	18.86	0.00	0.16	6.00	6.00	6.00
EX6S24_CH6_3+A	25YR-72HR	9.93	0.00	-0.02	7.11	7.38	7.22
EX6S25_S24	25YR-72HR	2.84	0.00	-0.01	2.57	6.60	4.58
EX6S26_S27	25YR-72HR	4.33	0.00	0.73	26.39	31.70	24.30
EX6S27_6S23A	25YR-72HR	20.76	0.00	-0.04	6.61	7.51	7.06
EX6S28_S25	25YR-72HR	1.73	0.00	-0.01	2.22	4.53	3.38
EX6S29_S61	25YR-72HR	5.75	0.00	0.01	3.32	3.37	3.34
EX6S30_S29	25YR-72HR	4.20	0.00	-0.51	15.12	27.54	15.88
EX6S31_S32	25YR-72HR	4.95	0.00	-0.88	25.08	32.61	23.35

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S32_S71	25YR-72HR	4.94	0.00	0.01	3.11	2.80	2.95
EX6S33_S34	25YR-72HR	0.62	0.00	0.01	1.80	5.76	3.78
EX6S34_S35	25YR-72HR	0.39	-2.68	-0.09	-0.85	-0.85	-0.85
EX6S35_S37	25YR-72HR	0.53	-8.60	0.03	-2.74	-2.74	-2.74
EX6S36_S35	25YR-72HR	1.36	0.00	-0.11	3.62	12.32	7.50
EX6S37-CH6_1+B	25YR-72HR	0.00	-13.62	-0.01	-4.34	-5.39	-4.38
EX6S39_S37	25YR-72HR	0.56	0.00	-0.01	1.64	2.60	2.10
EX6S40_S42	25YR-72HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S41_S42	25YR-72HR	1.42	0.00	0.00	2.20	3.22	2.71
EX6S42A_S42	25YR-72HR	0.00	-1.69	-0.05	-0.54	-0.54	-0.54
EX6S43_S44	25YR-72HR	3.15	0.00	-0.02	2.63	4.27	3.35
EX6S44_S45	25YR-72HR	6.30	0.00	0.00	2.96	2.99	2.98
EX6S45_S46	25YR-72HR	6.26	-2.64	-0.02	2.97	-3.61	2.44
EX6S51A_EX6S51	25YR-72HR	0.00	-1.64	-1.26	-0.52	-0.52	-0.52
EX6S53_CH6_2+A	25YR-72HR	3.77	0.00	-0.02	2.51	4.30	3.40
EX6S55_S56	25YR-72HR	2.47	0.00	0.01	2.49	7.38	4.94
EX6S56_56A	25YR-72HR	17.62	0.00	-0.13	6.91	26.25	16.58
EX6S57_S56	25YR-72HR	11.01	0.00	-0.01	3.71	11.65	7.68
EX6S58_S57	25YR-72HR	0.87	0.00	0.01	1.85	3.56	2.70
EX6S59_S60	25YR-72HR	2.59	-0.04	-0.57	1.47	1.47	1.47
EX6S60_S57	25YR-72HR	9.44	0.00	-0.01	3.48	11.93	7.70
EX6S61_S60	25YR-72HR	6.86	0.00	-0.02	2.94	2.53	2.74
EX6S62A_S65A	25YR-72HR	2.20	-0.23	0.74	1.24	1.24	1.24
EX6S62_S62A	25YR-72HR	0.11	-0.57	0.02	0.44	-2.50	-1.41
EX6S63_S64	25YR-72HR	8.37	-3.67	2.34	2.47	-3.00	2.12
EX6S64_S65A	25YR-72HR	21.29	-0.33	0.17	4.37	5.47	4.92
EX6S65C_0601	25YR-72HR	23.30	0.00	0.12	4.75	5.31	5.03
EX6S68_S23	25YR-72HR	0.54	-2.25	-0.37	-1.50	-3.44	-2.47
EX6S68_WEIR	25YR-72HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S69_S27	25YR-72HR	16.47	0.00	-0.01	5.24	5.24	5.24
EX6S69_WEIR	25YR-72HR	1.96	0.00	0.00	1.25	1.25	1.25
EX6S70_S69	25YR-72HR	14.85	0.00	0.01	4.73	11.77	7.81
EX6S70_WEIR	25YR-72HR	0.00	0.00	0.00	0.00	0.00	0.00
EX6S71_S70	25YR-72HR	12.03	0.00	0.01	3.89	3.83	3.86
EX6S72_S12	25YR-72HR	0.80	0.00	0.01	1.83	3.89	2.78
EX6S74_4+A	25YR-72HR	2.04	0.00	-0.02	3.68	24.09	13.89
EX6S75A_S70	25YR-72HR	1.85	0.00	-0.01	2.32	1.05	1.68
EX6S75B_S75A	25YR-72HR	0.56	0.00	0.01	1.67	0.70	1.18

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX6S75_S75A	25YR-72HR	0.93	0.00	0.01	1.89	1.16	1.52
EX6S76_S71	25YR-72HR	7.09	0.00	0.02	2.32	2.29	2.30
EX6S77A_S77	25YR-72HR	4.50	0.00	0.01	2.99	2.60	2.80
EX6S77_S76	25YR-72HR	5.80	0.00	-0.01	3.35	8.50	5.92
EX6S78A_S78	25YR-72HR	1.92	0.00	0.01	2.32	1.63	1.97
EX6S78_S77A	25YR-72HR	3.15	0.00	0.01	2.68	2.09	2.39
EX6S79_S83	25YR-72HR	5.87	-8.45	0.09	-2.69	-2.69	-2.69
EX6S83_S85	25YR-72HR	6.42	-7.37	0.11	-2.35	-2.35	-2.35
EX6S84_S63	25YR-72HR	8.30	-3.45	3.00	-1.67	-3.16	-2.41
EX6S85_S84	25YR-72HR	5.96	-5.53	-2.25	1.90	2.86	2.29
EX6S86_S85	25YR-72HR	0.56	0.00	0.56	1.48	1.91	1.58
EX6S87B_S87A	25YR-72HR	0.99	0.00	0.00	2.08	7.72	4.89
PR6S08_S46	25YR-72HR	25.82	0.00	-0.03	18.49	18.96	18.73
PR6S15_S81	25YR-72HR	5.09	-6.19	0.91	-2.87	-4.66	-3.76
PR6S19_6GW4	25YR-72HR	4.63	0.00	0.00	0.00	0.00	0.00
PR6S21_6GW3	25YR-72HR	10.86	0.00	0.00	0.00	0.00	0.00
PR6S21_S15	25YR-72HR	0.00	-8.67	0.07	-2.76	-2.76	-2.76
PR6S23_6GW4	25YR-72HR	5.31	0.00	0.00	0.00	0.00	0.00
PR6S34_6GW0	25YR-72HR	6.22	-0.01	-0.01	0.00	0.00	0.00
PR6S35_6GW0	25YR-72HR	6.22	-0.01	0.00	0.00	0.00	0.00
PR6S35_6GW1	25YR-72HR	6.22	-0.01	0.00	0.00	0.00	0.00
PR6S37_6GW1	25YR-72HR	6.30	-0.01	0.00	0.00	0.00	0.00
PR6S42A_6GW1	25YR-72HR	1.67	-0.04	-0.04	0.00	0.00	0.00
PR6S42_6GW1	25YR-72HR	1.68	-0.04	-0.04	0.00	0.00	0.00
PR6S46A1_6GW2	25YR-72HR	9.77	0.00	0.00	0.00	0.00	0.00
PR6S46A1_PR6S87A	25YR-72HR	0.03	-13.91	-0.72	-4.43	-4.43	-4.43
PR6S46A_6GW2	25YR-72HR	9.54	0.00	0.00	0.00	0.00	0.00
PR6S46A_PR6S46A1	25YR-72HR	0.00	-9.55	0.13	-1.35	-2.79	-1.98
PR6S46_S48	25YR-72HR	15.19	0.00	0.07	4.83	7.25	5.66
PR6S48_S87	25YR-72HR	15.44	0.00	-0.13	4.91	6.44	4.91
PR6S48_SWALE6E1	25YR-72HR	2.06	0.00	0.01	2.39	7.89	5.14
PR6S50_S15	25YR-72HR	4.84	-0.04	-0.64	1.54	1.54	1.54

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR6S51A_6GW3	25YR-72HR	1.31	0.00	0.00	0.00	0.00	0.00
PR6S51_6GW3	25YR-72HR	1.31	0.00	0.00	0.00	0.00	0.00
PR6S56A_6GW3	25YR-72HR	10.97	0.00	0.00	0.00	0.00	0.00
PR6S56A_S21	25YR-72HR	7.15	-1.99	-1.46	1.01	1.75	1.14
PR6S81_S82	25YR-72HR	6.55	-2.80	-0.86	3.04	4.76	3.90
PR6S82_S84	25YR-72HR	5.98	-2.60	0.82	1.90	1.90	1.90
PR6S87A1_PR6S87	25YR-72HR	0.05	-7.58	-1.45	-2.41	-3.57	-2.76
PR6S87A_S85	25YR-72HR	3.49	-4.56	-1.11	2.37	2.52	2.37
PR6S87_S87A	25YR-72HR	7.71	-0.05	1.47	2.61	3.50	2.94
PRSWALE 6E2_PR6S46A1	25YR-72HR	7.59	-0.60	-1.43	2.42	-2.42	2.42
SWALE 6E1_PRSWALE 6E2	25YR-72HR	7.57	0.00	0.89	2.88	2.41	2.41

Node Max Conditions [Icpr3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
6GW0	100YR-1HR	3.61	1.45	0.0000	10.31	0.00	0
6GW1	100YR-1HR	3.61	1.45	0.0000	13.69	0.00	0
6GW2	100YR-1HR	7.45	1.45	0.0000	20.70	0.00	0
6GW3	100YR-1HR	3.61	1.45	0.0000	27.32	0.00	0
6GW4	100YR-1HR	3.61	1.45	0.0000	11.21	0.00	0
CH6_1+A	100YR-1HR	12.45	10.93	0.0001	4.78	4.78	1537
CH6_2+A	100YR-1HR	7.55	6.15	0.0003	4.78	4.77	717
CH6_3+A	100YR-1HR	27.26	25.18	0.0021	9.93	4.85	900
CH6_4+A	100YR-1HR	21.22	15.13	0.0006	5.49	5.49	113
CH6_4+B	100YR-1HR	13.78	8.45	0.0010	0.48	0.39	113
CH6_5+A	100YR-1HR	21.62	13.78	0.0000	0.00	0.00	113
CH6_5+B	100YR-1HR	17.05	12.55	0.0009	6.18	0.00	6891
EX6S01	100YR-1HR	14.19	10.07	0.0006	0.78	0.78	113
EX6S03	100YR-1HR	16.39	12.66	0.0009	4.79	4.78	113
EX6S04	100YR-1HR	16.29	9.90	0.0008	3.22	3.21	113
EX6S07	100YR-1HR	24.61	19.53	0.0009	4.79	4.78	113
EX6S09	100YR-1HR	27.93	25.23	0.0013	7.94	7.93	113
EX6S10	100YR-1HR	29.77	26.86	0.0010	6.94	6.92	113
EX6S11	100YR-1HR	29.78	26.87	0.0010	1.14	1.16	113
EX6S12	100YR-1HR	30.97	26.93	0.0007	1.02	1.02	153
EX6S14	100YR-1HR	31.48	25.59	0.0009	5.18	5.17	113
EX6S17	100YR-1HR	35.31	31.14	0.0013	6.51	6.50	113
EX6S18	100YR-1HR	35.67	31.06	0.0003	2.43	2.43	113
EX6S19	100YR-1HR	8.00	6.37	0.0014	27.45	27.42	375
EX6S20	100YR-1HR	35.45	32.26	0.0009	5.10	5.10	113
EX6S22	100YR-1HR	36.50	32.32	0.0012	2.04	2.88	113
EX6S23	100YR-1HR	10.09	8.45	0.0020	29.35	29.24	330
EX6S23A	100YR-1HR	14.83	10.93	0.0016	27.29	27.23	273
EX6S23B	100YR-1HR	37.55	33.80	0.0011	2.04	2.67	113
EX6S24	100YR-1HR	36.31	27.85	0.0088	4.86	9.93	113
EX6S25	100YR-1HR	38.60	33.49	0.0016	3.61	3.60	113
EX6S26	100YR-1HR	38.60	35.45	0.0012	5.49	5.49	113
EX6S27	100YR-1HR	18.30	13.36	0.0010	25.25	25.24	380
EX6S28	100YR-1HR	39.30	35.63	0.0007	2.20	2.19	113
EX6S29	100YR-1HR	32.58	30.69	0.0018	7.29	7.28	143
EX6S30	100YR-1HR	41.40	37.58	0.0010	5.33	5.33	113
EX6S31	100YR-1HR	40.51	36.64	0.0012	6.28	6.27	113
EX6S32	100YR-1HR	26.57	22.44	0.0016	6.27	6.27	113
EX6S33	100YR-1HR	10.11	7.87	0.0010	0.78	0.78	113
EX6S34	100YR-1HR	9.70	3.18	0.0007	5.16	5.13	340
EX6S35	100YR-1HR	8.45	3.19	0.0007	12.04	12.11	611
EX6S36	100YR-1HR	10.92	6.72	0.0006	1.73	1.72	113
EX6S37	100YR-1HR	9.54	3.51	0.0008	13.95	13.99	426
EX6S39	100YR-1HR	9.11	4.87	0.0005	0.71	0.71	113
EX6S40	100YR-1HR	9.65	5.05	0.0000	0.00	0.00	113
EX6S41	100YR-1HR	8.50	4.72	0.0006	1.80	1.80	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S42	100YR-1HR	8.45	2.82	0.0004	2.95	2.92	121
EX6S42A	100YR-1HR	3.45	2.81	0.0004	1.47	1.45	121
EX6S43	100YR-1HR	12.51	8.50	0.0013	4.00	4.00	177
EX6S44	100YR-1HR	11.33	8.21	0.0010	8.23	7.98	257
EX6S45	100YR-1HR	11.01	8.06	0.0023	7.98	7.83	193
EX6S51	100YR-1HR	5.35	5.73	0.0010	7.33	7.11	490
EX6S51A	100YR-1HR	6.00	5.72	0.0010	1.64	1.40	113
EX6S53	100YR-1HR	9.57	6.83	0.0009	4.79	4.78	113
EX6S55	100YR-1HR	22.61	18.90	0.0008	3.14	3.14	113
EX6S56	100YR-1HR	19.68	16.33	0.0011	22.02	21.96	338
EX6S57	100YR-1HR	30.41	26.05	0.0037	13.74	13.73	371
EX6S58	100YR-1HR	34.05	26.58	0.0007	1.10	1.10	113
EX6S59	100YR-1HR	32.05	29.91	0.0017	3.29	3.28	113
EX6S60	100YR-1HR	33.39	29.84	0.0034	11.96	11.96	159
EX6S61	100YR-1HR	33.33	29.95	0.0018	8.68	8.68	157
EX6S62	100YR-1HR	6.95	4.90	0.0016	1.78	0.15	113
EX6S62A	100YR-1HR	6.31	4.90	0.0007	2.82	2.73	113
EX6S63	100YR-1HR	8.34	5.41	0.0014	6.86	6.59	227
EX6S64	100YR-1HR	8.45	5.41	0.0020	22.83	22.49	248
EX6S65C	100YR-1HR	7.45	3.38	0.0013	23.94	23.95	113
EX6S70	100YR-1HR	21.22	18.98	0.0012	18.79	18.79	431
EX6S71	100YR-1HR	25.66	21.63	0.0016	15.26	15.26	250
EX6S72	100YR-1HR	34.10	29.86	0.0007	1.02	1.02	147
EX6S74	100YR-1HR	23.65	22.90	0.0004	2.59	2.59	113
EX6S75	100YR-1HR	22.84	19.02	0.0006	1.18	1.18	113
EX6S75A	100YR-1HR	22.72	19.01	0.0010	2.37	2.42	113
EX6S75B	100YR-1HR	22.83	19.01	0.0005	0.71	0.74	113
EX6S76	100YR-1HR	24.27	21.73	0.0013	9.00	9.00	134
EX6S77	100YR-1HR	27.93	24.64	0.0007	7.36	7.36	223
EX6S77A	100YR-1HR	32.32	28.55	0.0008	5.72	5.72	230
EX6S78	100YR-1HR	36.81	33.65	0.0012	4.00	3.99	212
EX6S78A	100YR-1HR	39.68	36.27	0.0007	2.43	2.43	113
EX6S79	100YR-1HR	9.49	5.07	0.0009	12.01	11.88	223
EX6S83	100YR-1HR	8.61	5.24	0.0008	11.45	11.33	293
EX6S84	100YR-1HR	10.83	5.41	0.0010	8.22	7.83	258
EX6S85	100YR-1HR	9.45	5.40	0.0023	10.52	10.08	298
EX6S86	100YR-1HR	9.00	5.40	0.0022	2.45	0.22	113
EX6S87B	100YR-1HR	8.95	5.98	0.0008	1.20	1.20	113
EXCS6S65A	100YR-1HR	7.45	4.88	0.0012	23.95	23.94	137
EXCS6S65B	100YR-1HR	7.45	4.71	0.0010	23.94	23.94	113
O601	100YR-1HR	3.61	1.45	0.0000	23.95	0.00	0
POND 6W1	100YR-1HR	9.45	5.05	0.0009	34.46	17.65	18859
POND 6W2	100YR-1HR	9.00	5.66	0.0010	15.46	14.33	4792
PR6S08	100YR-1HR	26.77	19.65	0.0228	9.97	25.82	113
PR6S21	100YR-1HR	9.00	5.62	0.0010	13.67	13.91	646
PR6S46	100YR-1HR	9.94	7.92	0.0228	25.82	18.78	459
PR6S46A	100YR-1HR	6.00	5.14	0.0010	10.35	10.32	463

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR6S46A1	100YR-1HR	6.00	5.22	0.0010	20.75	20.71	487
PR6S48	100YR-1HR	8.82	6.48	0.0098	21.15	21.06	358
PR6S50	100YR-1HR	7.87	5.70	0.0010	5.70	5.50	160
PR6S56A	100YR-1HR	20.00	5.66	0.0010	21.96	21.76	642
PR6S68	100YR-1HR	9.00	8.45	0.0037	4.24	0.81	113
PR6S69	100YR-1HR	15.00	14.13	0.0015	20.48	20.48	283
PR6S81	100YR-1HR	9.39	5.62	0.0070	5.78	12.74	189
PR6S82	100YR-1HR	8.61	5.51	0.0028	6.55	6.33	259
PR6S87	100YR-1HR	9.84	5.54	0.0016	18.99	18.75	277
PR6S87A	100YR-1HR	9.65	5.42	0.0015	19.93	19.69	175
PR6S87A1	100YR-1HR	6.00	1.45	0.0000	0.00	0.00	113
PRSWALE 6E2	100YR-1HR	6.00	5.30	0.0012	9.45	9.56	113
SWALE 6E1	100YR-1HR	6.45	5.46	0.0010	11.78	9.45	5251
6GW0	100YR-24HR	3.61	2.45	0.0005	2.84	0.02	0
6GW1	100YR-24HR	3.61	2.45	0.0005	3.60	0.09	0
6GW2	100YR-24HR	7.45	2.45	0.0005	8.14	0.00	0
6GW3	100YR-24HR	3.61	2.45	0.0005	7.37	0.00	0
6GW4	100YR-24HR	3.61	2.45	0.0005	5.48	0.01	0
CH6_1+A	100YR-24HR	12.45	10.74	0.0001	0.82	0.82	1535
CH6_2+A	100YR-24HR	7.55	5.71	0.0003	0.82	0.82	527
CH6_3+A	100YR-24HR	27.26	25.08	0.0021	9.93	2.59	812
CH6_4+A	100YR-24HR	21.22	15.02	0.0004	1.15	1.15	113
CH6_4+B	100YR-24HR	13.78	7.79	0.0000	0.00	0.00	113
CH6_5+A	100YR-24HR	21.62	14.12	0.0001	0.37	0.02	3816
CH6_5+B	100YR-24HR	17.05	14.12	0.0004	1.15	0.58	10948
EX6S01	100YR-24HR	14.19	9.81	0.0006	0.14	0.14	113
EX6S03	100YR-24HR	16.39	11.86	0.0008	0.82	0.82	113
EX6S04	100YR-24HR	16.29	9.29	0.0006	0.55	0.55	113
EX6S07	100YR-24HR	24.61	18.74	0.0010	0.82	0.82	113
EX6S09	100YR-24HR	27.93	24.04	0.0009	1.41	1.41	113
EX6S10	100YR-24HR	29.77	25.81	0.0010	1.24	1.24	113
EX6S11	100YR-24HR	29.78	25.81	0.0010	0.24	0.24	113
EX6S12	100YR-24HR	30.97	26.62	0.0009	0.18	0.18	113
EX6S14	100YR-24HR	31.48	24.74	0.0010	0.89	0.89	113
EX6S17	100YR-24HR	35.31	30.36	0.0002	1.12	1.12	113
EX6S18	100YR-24HR	35.67	30.70	0.0003	0.42	0.42	113
EX6S19	100YR-24HR	8.00	3.73	0.0007	3.49	3.49	191
EX6S20	100YR-24HR	35.45	31.42	0.0009	0.88	0.88	113
EX6S22	100YR-24HR	36.50	32.08	0.0003	0.35	0.35	113
EX6S23	100YR-24HR	10.09	3.75	0.0007	5.31	5.31	321
EX6S23A	100YR-24HR	14.83	7.54	0.0010	4.91	4.91	166
EX6S23B	100YR-24HR	37.55	33.58	0.0003	0.35	0.35	113
EX6S24	100YR-24HR	36.31	27.85	0.0088	0.84	9.93	113
EX6S25	100YR-24HR	38.60	32.84	0.0010	0.62	0.62	113
EX6S26	100YR-24HR	38.60	34.83	0.0007	0.95	0.95	113
EX6S27	100YR-24HR	18.30	10.50	0.0009	4.55	4.55	373

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S28	100YR-24HR	39.30	35.15	0.0004	0.38	0.38	113
EX6S29	100YR-24HR	32.58	29.57	0.0010	1.98	1.45	142
EX6S30	100YR-24HR	41.40	36.80	0.0010	0.92	1.67	113
EX6S31	100YR-24HR	40.51	35.85	0.0008	1.08	1.08	113
EX6S32	100YR-24HR	26.57	21.46	0.0010	1.08	1.08	113
EX6S33	100YR-24HR	10.11	7.61	0.0007	0.14	0.14	113
EX6S34	100YR-24HR	9.70	2.56	0.0005	1.42	1.41	330
EX6S35	100YR-24HR	8.45	2.56	0.0006	3.06	3.06	608
EX6S36	100YR-24HR	10.92	6.31	0.0010	0.30	0.30	113
EX6S37	100YR-24HR	9.54	2.56	0.0005	2.45	2.46	354
EX6S39	100YR-24HR	9.11	4.62	0.0005	0.12	0.12	113
EX6S40	100YR-24HR	9.65	5.05	0.0000	0.00	0.00	113
EX6S41	100YR-24HR	8.50	4.32	0.0003	0.31	0.31	113
EX6S42	100YR-24HR	8.45	2.52	0.0005	0.71	0.71	121
EX6S42A	100YR-24HR	3.45	2.52	0.0005	0.36	0.35	121
EX6S43	100YR-24HR	12.51	7.76	0.0006	0.69	0.69	155
EX6S44	100YR-24HR	11.33	6.21	0.0007	1.42	1.42	221
EX6S45	100YR-24HR	11.01	6.00	0.0023	2.64	1.42	178
EX6S51	100YR-24HR	5.35	2.83	0.0010	1.42	2.33	123
EX6S51A	100YR-24HR	6.00	2.82	0.0010	0.85	0.36	113
EX6S53	100YR-24HR	9.57	5.90	0.0008	0.82	0.82	113
EX6S55	100YR-24HR	22.61	18.30	0.0005	0.54	0.54	113
EX6S56	100YR-24HR	19.68	14.04	0.0011	3.91	3.91	282
EX6S57	100YR-24HR	30.41	24.67	0.0010	2.41	2.41	338
EX6S58	100YR-24HR	34.05	26.26	0.0006	0.19	0.19	113
EX6S59	100YR-24HR	32.05	28.61	0.0010	0.57	0.81	113
EX6S60	100YR-24HR	33.39	28.61	0.0010	2.14	2.07	155
EX6S61	100YR-24HR	33.33	28.84	0.0010	1.67	1.59	152
EX6S62	100YR-24HR	6.95	3.72	0.0006	0.10	0.03	113
EX6S62A	100YR-24HR	6.31	3.71	0.0010	0.51	0.88	113
EX6S63	100YR-24HR	8.34	3.71	0.0004	0.10	0.07	131
EX6S64	100YR-24HR	8.45	3.72	0.0010	0.79	0.82	211
EX6S65C	100YR-24HR	7.45	2.45	0.0008	1.22	1.28	113
EX6S70	100YR-24HR	21.22	17.10	0.0010	3.26	3.26	427
EX6S71	100YR-24HR	25.66	20.12	0.0008	2.64	2.64	246
EX6S72	100YR-24HR	34.10	29.55	0.0006	0.18	0.18	113
EX6S74	100YR-24HR	23.65	22.44	0.0004	0.45	0.45	113
EX6S75	100YR-24HR	22.84	18.47	0.0007	0.20	0.20	113
EX6S75A	100YR-24HR	22.72	18.05	0.0010	0.41	0.41	113
EX6S75B	100YR-24HR	22.83	18.61	0.0005	0.12	0.12	113
EX6S76	100YR-24HR	24.27	20.14	0.0004	1.55	1.56	121
EX6S77	100YR-24HR	27.93	23.52	0.0007	1.27	1.27	214
EX6S77A	100YR-24HR	32.32	27.64	0.0007	0.99	0.99	217
EX6S78	100YR-24HR	36.81	32.95	0.0005	0.69	0.69	189
EX6S78A	100YR-24HR	39.68	35.76	0.0004	0.42	0.42	113
EX6S79	100YR-24HR	9.49	3.41	0.0003	2.55	2.57	222
EX6S83	100YR-24HR	8.61	3.37	0.0005	2.78	2.82	272

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S84	100YR-24HR	10.83	2.82	0.0010	1.10	0.10	113
EX6S85	100YR-24HR	9.45	3.36	0.0023	2.87	3.07	206
EX6S86	100YR-24HR	9.00	3.87	0.0007	0.06	0.06	113
EX6S87B	100YR-24HR	8.95	5.64	0.0006	0.22	0.22	113
EXCS6S65A	100YR-24HR	7.45	3.71	0.0013	1.60	2.63	113
EXCS6S65B	100YR-24HR	7.45	3.71	0.0010	2.63	1.22	113
O601	100YR-24HR	3.61	2.45	0.0005	1.28	0.00	0
POND 6W1	100YR-24HR	9.45	3.43	0.0001	4.68	4.46	15830
POND 6W2	100YR-24HR	9.00	2.82	0.0006	6.19	2.77	1404
PR6S08	100YR-24HR	26.77	19.65	0.0228	1.76	25.82	113
PR6S21	100YR-24HR	9.00	2.80	0.0006	3.33	3.31	644
PR6S46	100YR-24HR	9.94	6.25	0.0228	25.82	15.43	459
PR6S46A	100YR-24HR	6.00	3.27	0.0009	4.05	4.03	463
PR6S46A1	100YR-24HR	6.00	3.30	0.0010	8.48	8.16	487
PR6S48	100YR-24HR	8.82	4.16	0.0098	12.79	8.05	357
PR6S50	100YR-24HR	7.87	2.82	0.0010	1.42	1.14	160
PR6S56A	100YR-24HR	20.00	2.80	0.0006	3.91	3.89	636
PR6S68	100YR-24HR	9.00	1.75	0.0000	0.00	0.00	113
PR6S69	100YR-24HR	15.00	10.59	0.0010	3.61	3.61	283
PR6S81	100YR-24HR	9.39	2.82	0.0070	0.31	12.74	189
PR6S82	100YR-24HR	8.61	2.82	0.0028	6.55	1.10	259
PR6S87	100YR-24HR	9.84	3.36	0.0016	8.05	6.84	276
PR6S87A	100YR-24HR	9.65	3.35	0.0015	7.40	6.44	178
PR6S87A1	100YR-24HR	6.00	1.45	0.0000	0.00	0.00	113
PRSWALE 6E2	100YR-24HR	6.00	3.31	0.0010	1.78	2.10	113
SWALE 6E1	100YR-24HR	6.45	3.31	0.0008	1.78	1.78	452
6GW0	100YR-8HR	3.61	2.45	0.0005	10.51	0.02	0
6GW1	100YR-8HR	3.61	2.45	0.0005	12.85	0.16	0
6GW2	100YR-8HR	7.45	2.45	0.0005	15.67	0.00	0
6GW3	100YR-8HR	3.61	2.45	0.0005	19.73	0.00	0
6GW4	100YR-8HR	3.61	2.45	0.0005	8.27	0.01	0
CH6_1+A	100YR-8HR	12.45	10.84	0.0001	2.47	2.47	1536
CH6_2+A	100YR-8HR	7.55	5.95	0.0003	2.47	2.47	627
CH6_3+A	100YR-8HR	27.26	25.08	0.0021	9.93	2.59	812
CH6_4+A	100YR-8HR	21.22	15.08	0.0004	3.38	3.38	113
CH6_4+B	100YR-8HR	13.78	7.79	0.0000	0.00	0.00	113
CH6_5+A	100YR-8HR	21.62	14.05	0.0001	0.25	0.00	3708
CH6_5+B	100YR-8HR	17.05	14.05	0.0004	3.38	0.25	10948
EX6S01	100YR-8HR	14.19	9.94	0.0007	0.41	0.41	113
EX6S03	100YR-8HR	16.39	12.24	0.0008	2.47	2.47	113
EX6S04	100YR-8HR	16.29	9.59	0.0006	1.66	1.66	113
EX6S07	100YR-8HR	24.61	19.12	0.0009	2.47	2.47	113
EX6S09	100YR-8HR	27.93	24.58	0.0010	4.21	4.21	113
EX6S10	100YR-8HR	29.77	26.30	0.0010	4.04	3.68	113
EX6S11	100YR-8HR	29.78	26.30	0.0010	0.68	1.05	113
EX6S12	100YR-8HR	30.97	26.78	0.0010	0.53	0.53	138

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S14	100YR-8HR	31.48	25.14	0.0010	2.68	2.68	113
EX6S17	100YR-8HR	35.31	30.48	0.0014	3.37	3.37	113
EX6S18	100YR-8HR	35.67	30.88	0.0003	1.26	1.26	113
EX6S19	100YR-8HR	8.00	4.88	0.0010	14.09	14.10	191
EX6S20	100YR-8HR	35.45	31.82	0.0009	2.64	2.64	113
EX6S22	100YR-8HR	36.50	32.25	0.0003	1.05	1.05	113
EX6S23	100YR-8HR	10.09	5.38	0.0009	15.89	15.87	328
EX6S23A	100YR-8HR	14.83	8.67	0.0010	14.72	14.72	272
EX6S23B	100YR-8HR	37.55	33.75	0.0003	1.05	1.05	113
EX6S24	100YR-8HR	36.31	27.85	0.0088	2.51	9.93	113
EX6S25	100YR-8HR	38.60	33.15	0.0010	1.87	1.87	113
EX6S26	100YR-8HR	38.60	34.92	0.0013	2.84	2.92	113
EX6S27	100YR-8HR	18.30	11.55	0.0009	13.65	13.65	374
EX6S28	100YR-8HR	39.30	35.39	0.0004	1.14	1.14	113
EX6S29	100YR-8HR	32.58	30.03	0.0010	3.77	3.77	142
EX6S30	100YR-8HR	41.40	37.05	0.0010	2.76	2.76	113
EX6S31	100YR-8HR	40.51	36.00	0.0012	3.24	3.24	113
EX6S32	100YR-8HR	26.57	21.92	0.0013	3.24	3.24	113
EX6S33	100YR-8HR	10.11	7.75	0.0010	0.41	0.41	113
EX6S34	100YR-8HR	9.70	3.89	0.0005	5.25	5.24	334
EX6S35	100YR-8HR	8.45	3.91	0.0005	12.43	12.43	610
EX6S36	100YR-8HR	10.92	6.52	0.0006	0.89	0.89	113
EX6S37	100YR-8HR	9.54	4.19	0.0006	12.61	12.65	416
EX6S39	100YR-8HR	9.11	4.75	0.0007	0.36	0.37	113
EX6S40	100YR-8HR	9.65	5.05	0.0000	0.00	0.00	113
EX6S41	100YR-8HR	8.50	4.52	0.0003	0.93	0.93	113
EX6S42	100YR-8HR	8.45	3.08	0.0007	2.02	2.15	121
EX6S42A	100YR-8HR	3.45	3.07	0.0009	1.15	0.99	121
EX6S43	100YR-8HR	12.51	8.10	0.0007	2.07	2.07	176
EX6S44	100YR-8HR	11.33	6.66	0.0007	4.26	4.26	253
EX6S45	100YR-8HR	11.01	6.45	0.0023	4.26	4.26	193
EX6S51	100YR-8HR	5.35	4.79	0.0010	4.20	5.05	123
EX6S51A	100YR-8HR	6.00	4.79	0.0010	1.76	1.09	113
EX6S53	100YR-8HR	9.57	6.37	0.0008	2.47	2.47	113
EX6S55	100YR-8HR	22.61	18.60	0.0005	1.62	1.62	113
EX6S56	100YR-8HR	19.68	14.70	0.0011	11.67	11.67	331
EX6S57	100YR-8HR	30.41	25.31	0.0011	7.22	7.22	369
EX6S58	100YR-8HR	34.05	26.42	0.0010	0.57	0.57	113
EX6S59	100YR-8HR	32.05	29.20	0.0010	1.70	1.71	113
EX6S60	100YR-8HR	33.39	29.19	0.0010	6.21	6.20	159
EX6S61	100YR-8HR	33.33	29.29	0.0010	4.50	4.50	157
EX6S62	100YR-8HR	6.95	4.42	0.0010	0.50	0.13	113
EX6S62A	100YR-8HR	6.31	4.42	0.0010	1.49	1.48	113
EX6S63	100YR-8HR	8.34	4.75	0.0010	3.40	3.47	203
EX6S64	100YR-8HR	8.45	4.75	0.0010	13.10	12.43	217
EX6S65C	100YR-8HR	7.45	2.45	0.0032	13.84	13.84	113
EX6S70	100YR-8HR	21.22	17.90	0.0010	9.77	9.77	431

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S71	100YR-8HR	25.66	20.80	0.0009	7.91	7.91	250
EX6S72	100YR-8HR	34.10	29.71	0.0009	0.53	0.53	133
EX6S74	100YR-8HR	23.65	22.68	0.0004	1.34	1.34	113
EX6S75	100YR-8HR	22.84	18.64	0.0008	0.61	0.61	113
EX6S75A	100YR-8HR	22.72	18.29	0.0010	1.22	1.22	113
EX6S75B	100YR-8HR	22.83	18.74	0.0007	0.36	0.36	113
EX6S76	100YR-8HR	24.27	20.84	0.0006	4.66	4.66	133
EX6S77	100YR-8HR	27.93	24.02	0.0006	3.81	3.81	223
EX6S77A	100YR-8HR	32.32	28.07	0.0006	2.96	2.96	230
EX6S78	100YR-8HR	36.81	33.29	0.0006	2.07	2.07	211
EX6S78A	100YR-8HR	39.68	36.01	0.0004	1.26	1.26	113
EX6S79	100YR-8HR	9.49	4.77	0.0008	4.39	4.43	222
EX6S83	100YR-8HR	8.61	4.77	0.0010	4.86	4.90	272
EX6S84	100YR-8HR	10.83	4.76	0.0010	3.67	3.70	258
EX6S85	100YR-8HR	9.45	4.76	0.0023	5.03	5.09	249
EX6S86	100YR-8HR	9.00	4.76	0.0010	0.75	0.39	113
EX6S87B	100YR-8HR	8.95	5.82	0.0009	0.64	0.64	113
EXCS6S65A	100YR-8HR	7.45	4.41	0.0014	13.84	13.84	113
EXCS6S65B	100YR-8HR	7.45	4.35	0.0012	13.84	13.84	113
O601	100YR-8HR	3.61	2.45	0.0006	13.84	0.00	0
POND 6W1	100YR-8HR	9.45	4.77	0.0003	16.18	14.04	18228
POND 6W2	100YR-8HR	9.00	4.77	0.0006	7.88	7.79	3659
PR6S08	100YR-8HR	26.77	19.65	0.0228	5.26	25.82	113
PR6S21	100YR-8HR	9.00	4.72	0.0010	9.29	8.76	645
PR6S46	100YR-8HR	9.94	6.25	0.0228	25.82	15.43	459
PR6S46A	100YR-8HR	6.00	4.58	0.0009	7.77	7.76	463
PR6S46A1	100YR-8HR	6.00	4.63	0.0010	15.72	15.68	487
PR6S48	100YR-8HR	8.82	5.26	0.0098	12.79	11.44	357
PR6S50	100YR-8HR	7.87	4.79	0.0010	3.06	2.84	160
PR6S56A	100YR-8HR	20.00	4.73	0.0010	11.67	11.65	641
PR6S68	100YR-8HR	9.00	5.38	0.0010	1.08	0.12	113
PR6S69	100YR-8HR	15.00	11.78	0.0010	10.81	10.81	283
PR6S81	100YR-8HR	9.39	4.77	0.0070	2.53	12.74	189
PR6S82	100YR-8HR	8.61	4.76	0.0028	6.55	2.37	259
PR6S87	100YR-8HR	9.84	4.82	0.0016	11.44	11.52	276
PR6S87A	100YR-8HR	9.65	4.77	0.0015	12.16	12.88	179
PR6S87A1	100YR-8HR	6.00	1.45	0.0000	0.00	0.00	113
PRSWALE 6E2	100YR-8HR	6.00	4.65	0.0010	5.17	5.22	113
SWALE 6E1	100YR-8HR	6.45	4.70	0.0007	5.28	5.17	4252
6GW0	10YR-1HR	3.61	1.45	0.0000	4.81	0.00	0
6GW1	10YR-1HR	3.61	1.45	0.0000	7.20	0.00	0
6GW2	10YR-1HR	7.45	1.45	0.0000	15.67	0.00	0
6GW3	10YR-1HR	3.61	1.45	0.0000	24.77	0.00	0
6GW4	10YR-1HR	3.61	1.45	0.0000	9.95	0.00	0
CH6_1+A	10YR-1HR	12.45	10.87	0.0001	3.29	3.28	1537
CH6_2+A	10YR-1HR	7.55	6.03	0.0003	3.29	3.28	663

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
CH6_3+A	10YR-1HR	27.26	25.12	0.0021	9.93	3.33	845
CH6_4+A	10YR-1HR	21.22	15.08	0.0005	3.42	3.42	113
CH6_4+B	10YR-1HR	13.78	7.79	0.0000	0.00	0.00	113
CH6_5+A	10YR-1HR	21.62	13.78	0.0000	0.00	0.00	113
CH6_5+B	10YR-1HR	17.05	11.75	0.0008	3.42	0.00	4935
EX6S01	10YR-1HR	14.19	9.99	0.0006	0.54	0.54	113
EX6S03	10YR-1HR	16.39	12.40	0.0008	3.29	3.29	113
EX6S04	10YR-1HR	16.29	9.71	0.0007	2.21	2.21	113
EX6S07	10YR-1HR	24.61	19.27	0.0008	3.29	3.29	113
EX6S09	10YR-1HR	27.93	24.79	0.0012	5.39	5.38	113
EX6S10	10YR-1HR	29.77	26.48	0.0010	4.77	4.69	113
EX6S11	10YR-1HR	29.78	26.48	0.0010	0.93	0.87	113
EX6S12	10YR-1HR	30.97	26.84	0.0007	0.70	0.70	145
EX6S14	10YR-1HR	31.48	25.30	0.0009	3.56	3.56	113
EX6S17	10YR-1HR	35.31	30.71	0.0013	4.47	4.47	113
EX6S18	10YR-1HR	35.67	30.95	0.0003	1.67	1.67	113
EX6S19	10YR-1HR	8.00	5.10	0.0012	18.02	18.02	193
EX6S20	10YR-1HR	35.45	31.98	0.0009	3.50	3.50	113
EX6S22	10YR-1HR	36.50	32.31	0.0003	1.40	1.40	113
EX6S23	10YR-1HR	10.09	6.01	0.0015	20.53	20.50	332
EX6S23A	10YR-1HR	14.83	9.26	0.0014	19.12	19.12	273
EX6S23B	10YR-1HR	37.55	33.80	0.0012	1.40	2.67	113
EX6S24	10YR-1HR	36.31	27.85	0.0088	3.34	9.93	113
EX6S25	10YR-1HR	38.60	33.28	0.0014	2.48	2.48	113
EX6S26	10YR-1HR	38.60	35.10	0.0012	3.77	3.77	113
EX6S27	10YR-1HR	18.30	12.07	0.0009	17.73	17.72	375
EX6S28	10YR-1HR	39.30	35.48	0.0006	1.51	1.51	113
EX6S29	10YR-1HR	32.58	30.24	0.0016	5.01	5.01	143
EX6S30	10YR-1HR	41.40	37.24	0.0009	3.67	3.66	113
EX6S31	10YR-1HR	40.51	36.23	0.0012	4.31	4.31	113
EX6S32	10YR-1HR	26.57	22.11	0.0014	4.31	4.31	113
EX6S33	10YR-1HR	10.11	7.79	0.0010	0.54	0.52	113
EX6S34	10YR-1HR	9.70	2.25	0.0005	2.40	2.38	330
EX6S35	10YR-1HR	8.45	2.27	0.0005	5.48	5.52	602
EX6S36	10YR-1HR	10.92	6.60	0.0006	1.19	1.18	113
EX6S37	10YR-1HR	9.54	2.60	0.0005	6.89	6.89	420
EX6S39	10YR-1HR	9.11	4.80	0.0005	0.49	0.48	113
EX6S40	10YR-1HR	9.65	5.05	0.0000	0.00	0.00	113
EX6S41	10YR-1HR	8.50	4.60	0.0006	1.24	1.24	113
EX6S42	10YR-1HR	8.45	2.27	0.0003	1.75	1.73	119
EX6S42A	10YR-1HR	3.45	2.25	0.0003	0.86	0.86	119
EX6S43	10YR-1HR	12.51	8.24	0.0012	2.75	2.75	177
EX6S44	10YR-1HR	11.33	6.84	0.0007	5.65	5.65	257
EX6S45	10YR-1HR	11.01	6.63	0.0023	5.65	5.65	193
EX6S51	10YR-1HR	5.35	4.32	0.0010	4.76	4.73	123
EX6S51A	10YR-1HR	6.00	4.31	0.0010	1.42	1.21	113
EX6S53	10YR-1HR	9.57	6.55	0.0008	3.29	3.29	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S55	10YR-1HR	22.61	18.71	0.0007	2.16	2.15	113
EX6S56	10YR-1HR	19.68	14.94	0.0011	14.98	14.97	337
EX6S57	10YR-1HR	30.41	25.56	0.0033	9.38	9.37	370
EX6S58	10YR-1HR	34.05	26.48	0.0007	0.75	0.75	113
EX6S59	10YR-1HR	32.05	29.45	0.0016	2.26	2.26	113
EX6S60	10YR-1HR	33.39	29.42	0.0030	8.23	8.23	158
EX6S61	10YR-1HR	33.33	29.49	0.0016	5.98	5.97	157
EX6S62	10YR-1HR	6.95	4.29	0.0012	1.33	0.08	113
EX6S62A	10YR-1HR	6.31	4.29	0.0008	1.94	1.92	113
EX6S63	10YR-1HR	8.34	4.36	0.0011	4.15	4.15	222
EX6S64	10YR-1HR	8.45	4.51	0.0018	13.20	13.20	244
EX6S65C	10YR-1HR	7.45	2.27	0.0013	10.95	10.95	113
EX6S70	10YR-1HR	21.22	18.26	0.0011	12.95	12.94	431
EX6S71	10YR-1HR	25.66	21.09	0.0017	10.48	10.48	250
EX6S72	10YR-1HR	34.10	29.76	0.0007	0.70	0.70	139
EX6S74	10YR-1HR	23.65	22.77	0.0004	1.78	1.78	113
EX6S75	10YR-1HR	22.84	18.70	0.0005	0.81	0.81	113
EX6S75A	10YR-1HR	22.72	18.39	0.0010	1.62	1.61	113
EX6S75B	10YR-1HR	22.83	18.79	0.0005	0.49	0.48	113
EX6S76	10YR-1HR	24.27	21.14	0.0012	6.18	6.18	134
EX6S77	10YR-1HR	27.93	24.24	0.0007	5.05	5.05	223
EX6S77A	10YR-1HR	32.32	28.24	0.0008	3.93	3.92	230
EX6S78	10YR-1HR	36.81	33.42	0.0011	2.75	2.74	212
EX6S78A	10YR-1HR	39.68	36.11	0.0006	1.67	1.67	113
EX6S79	10YR-1HR	9.49	4.11	0.0007	6.64	6.53	223
EX6S83	10YR-1HR	8.61	4.10	0.0010	6.24	6.18	288
EX6S84	10YR-1HR	10.83	4.30	0.0010	4.15	3.92	241
EX6S85	10YR-1HR	9.45	4.13	0.0023	5.99	6.11	232
EX6S86	10YR-1HR	9.00	4.13	0.0010	0.58	0.07	113
EX6S87B	10YR-1HR	8.95	5.87	0.0008	0.80	0.80	113
EXCS6S65A	10YR-1HR	7.45	4.27	0.0010	10.95	10.95	134
EXCS6S65B	10YR-1HR	7.45	4.24	0.0010	10.95	10.95	113
O601	10YR-1HR	3.61	1.45	0.0000	10.95	0.00	0
POND 6W1	10YR-1HR	9.45	4.12	0.0007	20.57	9.68	16927
POND 6W2	10YR-1HR	9.00	4.29	0.0010	11.39	9.64	3082
PR6S08	10YR-1HR	26.77	19.65	0.0228	6.77	25.82	113
PR6S21	10YR-1HR	9.00	4.20	0.0009	11.31	11.17	646
PR6S46	10YR-1HR	9.94	6.31	0.0228	25.82	15.43	459
PR6S46A	10YR-1HR	6.00	3.94	0.0009	7.79	7.76	463
PR6S46A1	10YR-1HR	6.00	3.99	0.0010	15.73	15.69	487
PR6S48	10YR-1HR	8.82	4.94	0.0098	14.96	14.95	358
PR6S50	10YR-1HR	7.87	4.31	0.0010	3.11	2.93	160
PR6S56A	10YR-1HR	20.00	4.20	0.0009	14.97	14.42	642
PR6S68	10YR-1HR	9.00	6.01	0.0028	3.14	0.33	113
PR6S69	10YR-1HR	15.00	12.45	0.0014	13.98	13.98	283
PR6S81	10YR-1HR	9.39	4.29	0.0070	3.98	12.74	189
PR6S82	10YR-1HR	8.61	4.30	0.0028	6.55	3.49	259

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR6S87	10YR-1HR	9.84	4.21	0.0016	14.95	14.87	277
PR6S87A	10YR-1HR	9.65	4.13	0.0015	15.66	15.58	176
PR6S87A1	10YR-1HR	6.00	1.45	0.0000	0.00	0.00	113
PRSWALE 6E2	10YR-1HR	6.00	4.02	0.0010	4.66	4.66	113
SWALE 6E1	10YR-1HR	6.45	4.06	0.0005	5.59	4.66	3205
6GW0	10YR-24HR	3.61	2.45	0.0005	1.42	0.02	0
6GW1	10YR-24HR	3.61	2.45	0.0005	1.86	0.12	0
6GW2	10YR-24HR	7.45	2.45	0.0005	5.69	0.00	0
6GW3	10YR-24HR	3.61	2.45	0.0005	4.67	0.00	0
6GW4	10YR-24HR	3.61	2.45	0.0005	4.35	0.01	0
CH6_1+A	10YR-24HR	12.45	10.72	0.0001	0.54	0.54	1535
CH6_2+A	10YR-24HR	7.55	5.65	0.0003	0.54	0.54	501
CH6_3+A	10YR-24HR	27.26	25.08	0.0021	9.93	2.59	812
CH6_4+A	10YR-24HR	21.22	15.00	0.0004	0.73	0.73	113
CH6_4+B	10YR-24HR	13.78	7.79	0.0000	0.00	0.00	113
CH6_5+A	10YR-24HR	21.62	13.86	0.0000	0.07	0.00	3372
CH6_5+B	10YR-24HR	17.05	13.86	0.0003	0.73	0.07	10948
EX6S01	10YR-24HR	14.19	9.77	0.0005	0.09	0.09	113
EX6S03	10YR-24HR	16.39	11.77	0.0008	0.54	0.54	113
EX6S04	10YR-24HR	16.29	9.22	0.0005	0.37	0.37	113
EX6S07	10YR-24HR	24.61	18.65	0.0010	0.54	0.54	113
EX6S09	10YR-24HR	27.93	23.92	0.0009	0.92	0.92	113
EX6S10	10YR-24HR	29.77	25.69	0.0010	0.80	0.80	113
EX6S11	10YR-24HR	29.78	25.70	0.0009	0.14	0.15	113
EX6S12	10YR-24HR	30.97	26.58	0.0008	0.12	0.12	113
EX6S14	10YR-24HR	31.48	24.65	0.0010	0.59	0.59	113
EX6S17	10YR-24HR	35.31	30.28	0.0002	0.74	0.74	113
EX6S18	10YR-24HR	35.67	30.65	0.0003	0.28	0.28	113
EX6S19	10YR-24HR	8.00	3.31	0.0005	2.18	2.17	191
EX6S20	10YR-24HR	35.45	31.33	0.0009	0.58	0.58	113
EX6S22	10YR-24HR	36.50	32.03	0.0003	0.23	0.23	113
EX6S23	10YR-24HR	10.09	3.31	0.0005	3.49	3.48	318
EX6S23A	10YR-24HR	14.83	7.31	0.0010	3.23	3.23	163
EX6S23B	10YR-24HR	37.55	33.53	0.0003	0.23	0.23	113
EX6S24	10YR-24HR	36.31	27.85	0.0088	0.55	9.93	113
EX6S25	10YR-24HR	38.60	32.76	0.0010	0.41	0.41	113
EX6S26	10YR-24HR	38.60	34.75	0.0007	0.62	0.62	113
EX6S27	10YR-24HR	18.30	10.28	0.0009	3.00	3.00	362
EX6S28	10YR-24HR	39.30	35.09	0.0004	0.25	0.25	113
EX6S29	10YR-24HR	32.58	29.41	0.0010	0.83	0.83	142
EX6S30	10YR-24HR	41.40	36.75	0.0006	0.61	0.61	113
EX6S31	10YR-24HR	40.51	35.77	0.0007	0.71	0.71	113
EX6S32	10YR-24HR	26.57	21.36	0.0010	0.71	0.71	113
EX6S33	10YR-24HR	10.11	7.57	0.0006	0.09	0.09	113
EX6S34	10YR-24HR	9.70	2.50	0.0006	0.71	0.71	323
EX6S35	10YR-24HR	8.45	2.50	0.0010	1.46	1.45	607

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S36	10YR-24HR	10.92	6.27	0.0010	0.20	0.22	113
EX6S37	10YR-24HR	9.54	2.50	0.0009	1.14	1.14	339
EX6S39	10YR-24HR	9.11	4.59	0.0004	0.08	0.08	113
EX6S40	10YR-24HR	9.65	5.05	0.0000	0.00	0.00	113
EX6S41	10YR-24HR	8.50	4.27	0.0003	0.21	0.21	113
EX6S42	10YR-24HR	8.45	2.48	0.0005	0.42	0.43	121
EX6S42A	10YR-24HR	3.45	2.48	0.0005	0.22	0.21	121
EX6S43	10YR-24HR	12.51	7.68	0.0006	0.45	0.46	144
EX6S44	10YR-24HR	11.33	6.10	0.0007	0.94	0.94	206
EX6S45	10YR-24HR	11.01	5.89	0.0023	2.64	0.94	166
EX6S51	10YR-24HR	5.35	2.58	0.0010	0.91	1.56	123
EX6S51A	10YR-24HR	6.00	2.57	0.0010	0.54	0.23	113
EX6S53	10YR-24HR	9.57	5.81	0.0008	0.54	0.54	113
EX6S55	10YR-24HR	22.61	18.23	0.0005	0.36	0.36	113
EX6S56	10YR-24HR	19.68	13.88	0.0011	2.59	2.56	261
EX6S57	10YR-24HR	30.41	24.53	0.0010	1.59	1.58	315
EX6S58	10YR-24HR	34.05	26.22	0.0006	0.12	0.12	113
EX6S59	10YR-24HR	32.05	28.48	0.0010	0.37	0.75	113
EX6S60	10YR-24HR	33.39	28.48	0.0010	1.73	1.37	153
EX6S61	10YR-24HR	33.33	28.71	0.0010	0.99	0.99	144
EX6S62	10YR-24HR	6.95	3.57	0.0001	0.01	0.00	113
EX6S62A	10YR-24HR	6.31	3.36	0.0010	0.46	0.74	113
EX6S63	10YR-24HR	8.34	2.75	0.0000	0.00	0.00	113
EX6S64	10YR-24HR	8.45	3.34	0.0010	0.33	0.32	129
EX6S65C	10YR-24HR	7.45	2.45	0.0008	0.00	0.00	113
EX6S70	10YR-24HR	21.22	16.93	0.0010	2.15	2.15	400
EX6S71	10YR-24HR	25.66	19.96	0.0008	1.74	1.74	235
EX6S72	10YR-24HR	34.10	29.51	0.0006	0.12	0.12	113
EX6S74	10YR-24HR	23.65	22.39	0.0004	0.29	0.29	113
EX6S75	10YR-24HR	22.84	18.42	0.0006	0.13	0.13	113
EX6S75A	10YR-24HR	22.72	17.99	0.0009	0.27	0.27	113
EX6S75B	10YR-24HR	22.83	18.58	0.0004	0.08	0.08	113
EX6S76	10YR-24HR	24.27	19.98	0.0004	1.03	1.03	113
EX6S77	10YR-24HR	27.93	23.40	0.0007	0.84	0.84	202
EX6S77A	10YR-24HR	32.32	27.54	0.0007	0.65	0.65	204
EX6S78	10YR-24HR	36.81	32.87	0.0004	0.45	0.45	176
EX6S78A	10YR-24HR	39.68	35.70	0.0004	0.28	0.28	113
EX6S79	10YR-24HR	9.49	3.08	0.0002	1.87	1.88	216
EX6S83	10YR-24HR	8.61	2.97	0.0005	2.03	2.07	270
EX6S84	10YR-24HR	10.83	2.57	0.0010	1.10	0.07	113
EX6S85	10YR-24HR	9.45	2.96	0.0023	2.74	2.48	206
EX6S86	10YR-24HR	9.00	3.81	0.0004	0.03	0.02	113
EX6S87B	10YR-24HR	8.95	5.60	0.0006	0.14	0.14	113
EXCS6S65A	10YR-24HR	7.45	3.36	0.0010	0.76	0.67	113
EXCS6S65B	10YR-24HR	7.45	3.36	0.0010	0.22	0.24	113
O601	10YR-24HR	3.61	2.45	0.0006	0.00	0.00	0
POND 6W1	10YR-24HR	9.45	3.13	0.0001	2.94	2.70	15122

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND 6W2	10YR-24HR	9.00	2.57	0.0006	6.19	1.69	1353
PR6S08	10YR-24HR	26.77	19.65	0.0228	1.15	25.82	113
PR6S21	10YR-24HR	9.00	2.57	0.0005	2.11	2.10	628
PR6S46	10YR-24HR	9.94	6.25	0.0228	25.82	15.43	459
PR6S46A	10YR-24HR	6.00	2.89	0.0009	2.83	2.80	463
PR6S46A1	10YR-24HR	6.00	2.91	0.0010	6.49	5.72	487
PR6S48	10YR-24HR	8.82	4.16	0.0098	12.79	8.05	357
PR6S50	10YR-24HR	7.87	2.57	0.0010	0.98	0.78	160
PR6S56A	10YR-24HR	20.00	2.57	0.0006	2.56	2.54	616
PR6S68	10YR-24HR	9.00	1.75	0.0000	0.00	0.00	113
PR6S69	10YR-24HR	15.00	10.38	0.0010	2.37	2.37	255
PR6S81	10YR-24HR	9.39	2.65	0.0070	0.20	12.74	187
PR6S82	10YR-24HR	8.61	2.57	0.0028	6.55	1.10	259
PR6S87	10YR-24HR	9.84	2.95	0.0016	8.05	6.84	276
PR6S87A	10YR-24HR	9.65	2.95	0.0015	6.84	5.00	178
PR6S87A1	10YR-24HR	6.00	1.45	0.0000	0.00	0.00	113
PRSWALE 6E2	10YR-24HR	6.00	2.92	0.0010	1.16	1.83	113
SWALE 6E1	10YR-24HR	6.45	2.94	0.0006	1.15	1.16	285
6GW0	10YR-8HR	3.61	2.45	0.0005	5.72	0.03	0
6GW1	10YR-8HR	3.61	2.45	0.0005	7.22	0.20	0
6GW2	10YR-8HR	7.45	2.45	0.0005	11.73	0.00	0
6GW3	10YR-8HR	3.61	2.45	0.0005	15.52	0.00	0
6GW4	10YR-8HR	3.61	2.45	0.0005	6.77	0.02	0
CH6_1+A	10YR-8HR	12.45	10.80	0.0001	1.75	1.75	1536
CH6_2+A	10YR-8HR	7.55	5.86	0.0003	1.75	1.75	590
CH6_3+A	10YR-8HR	27.26	25.08	0.0021	9.93	2.59	812
CH6_4+A	10YR-8HR	21.22	15.05	0.0004	2.28	2.28	113
CH6_4+B	10YR-8HR	13.78	7.79	0.0000	0.00	0.00	113
CH6_5+A	10YR-8HR	21.62	13.78	0.0000	0.00	0.00	113
CH6_5+B	10YR-8HR	17.05	13.19	0.0008	2.28	0.00	8681
EX6S01	10YR-8HR	14.19	9.89	0.0006	0.29	0.29	113
EX6S03	10YR-8HR	16.39	12.09	0.0008	1.75	1.75	113
EX6S04	10YR-8HR	16.29	9.48	0.0006	1.18	1.18	113
EX6S07	10YR-8HR	24.61	18.97	0.0010	1.75	1.75	113
EX6S09	10YR-8HR	27.93	24.36	0.0010	2.95	2.95	113
EX6S10	10YR-8HR	29.77	26.09	0.0010	2.96	2.57	113
EX6S11	10YR-8HR	29.78	26.10	0.0010	0.45	0.91	113
EX6S12	10YR-8HR	30.97	26.72	0.0010	0.37	0.37	129
EX6S14	10YR-8HR	31.48	24.98	0.0010	1.89	1.89	113
EX6S17	10YR-8HR	35.31	30.44	0.0014	2.38	3.17	113
EX6S18	10YR-8HR	35.67	30.81	0.0003	0.89	0.89	113
EX6S19	10YR-8HR	8.00	4.32	0.0010	9.49	9.49	191
EX6S20	10YR-8HR	35.45	31.66	0.0009	1.86	1.86	113
EX6S22	10YR-8HR	36.50	32.18	0.0003	0.75	0.75	113
EX6S23	10YR-8HR	10.09	4.55	0.0010	11.18	11.17	324
EX6S23A	10YR-8HR	14.83	8.18	0.0010	10.38	10.38	272

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S23B	10YR-8HR	37.55	33.68	0.0003	0.75	0.75	113
EX6S24	10YR-8HR	36.31	27.85	0.0088	1.78	9.93	113
EX6S25	10YR-8HR	38.60	33.03	0.0010	1.32	1.32	113
EX6S26	10YR-8HR	38.60	34.92	0.0013	2.01	2.92	113
EX6S27	10YR-8HR	18.30	11.10	0.0009	9.62	9.62	374
EX6S28	10YR-8HR	39.30	35.30	0.0004	0.80	0.80	113
EX6S29	10YR-8HR	32.58	29.82	0.0010	2.67	2.67	142
EX6S30	10YR-8HR	41.40	36.87	0.0010	1.95	1.95	113
EX6S31	10YR-8HR	40.51	35.91	0.0012	2.30	2.79	113
EX6S32	10YR-8HR	26.57	21.73	0.0013	2.79	2.30	113
EX6S33	10YR-8HR	10.11	7.69	0.0010	0.29	0.29	113
EX6S34	10YR-8HR	9.70	3.11	0.0005	2.88	2.85	333
EX6S35	10YR-8HR	8.45	3.11	0.0010	6.64	6.63	609
EX6S36	10YR-8HR	10.92	6.44	0.0005	0.63	0.63	113
EX6S37	10YR-8HR	9.54	3.19	0.0006	6.84	6.88	414
EX6S39	10YR-8HR	9.11	4.70	0.0007	0.26	0.26	113
EX6S40	10YR-8HR	9.65	5.05	0.0000	0.00	0.00	113
EX6S41	10YR-8HR	8.50	4.45	0.0003	0.66	0.66	113
EX6S42	10YR-8HR	8.45	2.74	0.0005	1.29	1.40	121
EX6S42A	10YR-8HR	3.45	2.74	0.0006	0.76	0.63	121
EX6S43	10YR-8HR	12.51	7.97	0.0007	1.46	1.46	171
EX6S44	10YR-8HR	11.33	6.48	0.0007	3.01	3.01	246
EX6S45	10YR-8HR	11.01	6.28	0.0023	3.01	3.01	192
EX6S51	10YR-8HR	5.35	4.11	0.0010	2.89	4.08	123
EX6S51A	10YR-8HR	6.00	4.10	0.0010	1.54	0.82	113
EX6S53	10YR-8HR	9.57	6.18	0.0008	1.75	1.75	113
EX6S55	10YR-8HR	22.61	18.48	0.0005	1.15	1.15	113
EX6S56	10YR-8HR	19.68	14.44	0.0011	8.19	8.19	318
EX6S57	10YR-8HR	30.41	25.05	0.0010	5.09	5.09	367
EX6S58	10YR-8HR	34.05	26.36	0.0008	0.40	0.40	113
EX6S59	10YR-8HR	32.05	28.97	0.0010	1.21	1.21	113
EX6S60	10YR-8HR	33.39	28.96	0.0010	4.39	4.39	159
EX6S61	10YR-8HR	33.33	29.11	0.0010	3.18	3.18	157
EX6S62	10YR-8HR	6.95	4.03	0.0010	0.41	0.07	113
EX6S62A	10YR-8HR	6.31	4.03	0.0010	1.05	1.14	113
EX6S63	10YR-8HR	8.34	4.13	0.0010	1.45	1.44	195
EX6S64	10YR-8HR	8.45	4.16	0.0010	6.31	6.30	230
EX6S65C	10YR-8HR	7.45	2.45	0.0006	6.04	6.04	113
EX6S70	10YR-8HR	21.22	17.57	0.0010	6.91	6.91	431
EX6S71	10YR-8HR	25.66	20.52	0.0009	5.59	5.59	250
EX6S72	10YR-8HR	34.10	29.65	0.0008	0.37	0.37	125
EX6S74	10YR-8HR	23.65	22.59	0.0004	0.95	0.95	113
EX6S75	10YR-8HR	22.84	18.57	0.0008	0.43	0.43	113
EX6S75A	10YR-8HR	22.72	18.20	0.0010	0.86	0.86	113
EX6S75B	10YR-8HR	22.83	18.69	0.0007	0.26	0.26	113
EX6S76	10YR-8HR	24.27	20.56	0.0005	3.30	3.30	132
EX6S77	10YR-8HR	27.93	23.82	0.0006	2.70	2.70	223

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S77A	10YR-8HR	32.32	27.90	0.0007	2.09	2.09	230
EX6S78	10YR-8HR	36.81	33.16	0.0005	1.46	1.46	208
EX6S78A	10YR-8HR	39.68	35.92	0.0004	0.89	0.89	113
EX6S79	10YR-8HR	9.49	4.13	0.0009	2.91	2.95	222
EX6S83	10YR-8HR	8.61	4.12	0.0010	3.25	3.27	272
EX6S84	10YR-8HR	10.83	4.11	0.0010	1.59	1.68	223
EX6S85	10YR-8HR	9.45	4.12	0.0023	3.35	3.39	223
EX6S86	10YR-8HR	9.00	4.12	0.0010	0.44	0.15	113
EX6S87B	10YR-8HR	8.95	5.75	0.0008	0.45	0.45	113
EXCS6S65A	10YR-8HR	7.45	4.02	0.0016	6.06	6.07	113
EXCS6S65B	10YR-8HR	7.45	4.01	0.0014	6.07	6.04	113
O601	10YR-8HR	3.61	2.45	0.0005	6.04	0.00	0
POND 6W1	10YR-8HR	9.45	4.13	0.0002	10.10	8.45	16937
POND 6W2	10YR-8HR	9.00	4.09	0.0006	6.66	6.60	2845
PR6S08	10YR-8HR	26.77	19.65	0.0228	3.69	25.82	113
PR6S21	10YR-8HR	9.00	4.05	0.0005	6.99	6.93	645
PR6S46	10YR-8HR	9.94	6.25	0.0228	25.82	15.43	459
PR6S46A	10YR-8HR	6.00	4.00	0.0009	5.85	5.82	463
PR6S46A1	10YR-8HR	6.00	4.03	0.0010	11.84	11.75	487
PR6S48	10YR-8HR	8.82	4.33	0.0098	12.79	8.05	357
PR6S50	10YR-8HR	7.87	4.10	0.0010	2.32	1.83	160
PR6S56A	10YR-8HR	20.00	4.05	0.0006	8.19	8.10	641
PR6S68	10YR-8HR	9.00	4.55	0.0010	0.61	0.08	113
PR6S69	10YR-8HR	15.00	11.23	0.0010	7.62	7.62	283
PR6S81	10YR-8HR	9.39	4.10	0.0070	2.06	12.74	189
PR6S82	10YR-8HR	8.61	4.11	0.0028	6.55	1.89	259
PR6S87	10YR-8HR	9.84	4.14	0.0016	8.05	8.06	276
PR6S87A	10YR-8HR	9.65	4.11	0.0015	9.59	8.90	179
PR6S87A1	10YR-8HR	6.00	1.45	0.0000	0.00	0.00	113
PRSWALE 6E2	10YR-8HR	6.00	4.04	0.0010	3.09	3.10	113
SWALE 6E1	10YR-8HR	6.45	4.06	0.0009	3.63	3.09	3201
6GW0	25YR-72HR	3.61	2.45	0.0001	12.44	0.02	0
6GW1	25YR-72HR	3.61	2.45	0.0001	15.79	0.07	0
6GW2	25YR-72HR	7.45	2.45	0.0001	19.31	0.00	0
6GW3	25YR-72HR	3.61	2.45	0.0001	24.45	0.00	0
6GW4	25YR-72HR	3.61	2.45	0.0001	9.93	0.01	0
CH6_1+A	25YR-72HR	12.45	10.89	0.0001	3.77	3.77	1534
CH6_2+A	25YR-72HR	7.55	6.07	0.0004	3.77	3.77	678
CH6_3+A	25YR-72HR	27.26	25.14	0.0021	9.93	3.83	864
CH6_4+A	25YR-72HR	21.22	15.13	0.0004	5.38	5.38	113
CH6_4+B	25YR-72HR	13.78	7.79	0.0000	0.00	0.00	113
CH6_5+A	25YR-72HR	21.62	14.20	0.0003	2.61	0.14	3961
CH6_5+B	25YR-72HR	17.05	14.20	0.0004	5.38	2.63	10951
EX6S01	25YR-72HR	14.19	10.02	0.0003	0.62	0.62	113
EX6S03	25YR-72HR	16.39	12.48	0.0008	3.78	3.77	113
EX6S04	25YR-72HR	16.29	9.77	0.0005	2.54	2.54	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S07	25YR-72HR	24.61	19.36	0.0010	3.78	3.77	113
EX6S09	25YR-72HR	27.93	24.98	0.0009	6.48	6.48	113
EX6S10	25YR-72HR	29.77	26.65	0.0010	5.72	5.68	113
EX6S11	25YR-72HR	29.78	26.65	0.0009	1.11	1.16	113
EX6S12	25YR-72HR	30.97	26.87	0.0004	0.80	0.80	148
EX6S14	25YR-72HR	31.48	25.40	0.0010	4.08	4.08	113
EX6S17	25YR-72HR	35.31	30.85	0.0013	5.13	5.13	113
EX6S18	25YR-72HR	35.67	30.99	0.0003	1.92	1.92	113
EX6S19	25YR-72HR	8.00	5.77	0.0008	23.09	23.09	191
EX6S20	25YR-72HR	35.45	32.07	0.0009	4.02	4.02	113
EX6S22	25YR-72HR	36.50	32.32	0.0013	1.61	2.87	113
EX6S23	25YR-72HR	10.09	7.13	0.0011	24.21	24.18	314
EX6S23A	25YR-72HR	14.83	9.81	0.0013	22.40	22.40	272
EX6S23B	25YR-72HR	37.55	33.80	0.0012	1.61	2.67	113
EX6S24	25YR-72HR	36.31	27.85	0.0088	3.83	9.93	113
EX6S25	25YR-72HR	38.60	33.35	0.0010	2.84	2.84	113
EX6S26	25YR-72HR	38.60	35.21	0.0012	4.33	4.33	113
EX6S27	25YR-72HR	18.30	12.53	0.0008	20.77	20.76	375
EX6S28	25YR-72HR	39.30	35.53	0.0004	1.73	1.73	113
EX6S29	25YR-72HR	32.58	30.37	0.0010	5.75	5.75	124
EX6S30	25YR-72HR	41.40	37.35	0.0010	4.21	4.20	113
EX6S31	25YR-72HR	40.51	36.36	0.0012	4.95	4.95	113
EX6S32	25YR-72HR	26.57	22.22	0.0013	4.95	4.94	113
EX6S33	25YR-72HR	10.11	7.82	0.0003	0.62	0.62	113
EX6S34	25YR-72HR	9.70	4.84	0.0010	6.26	6.22	330
EX6S35	25YR-72HR	8.45	4.84	0.0010	13.79	13.88	609
EX6S36	25YR-72HR	10.92	6.64	0.0010	1.36	1.36	113
EX6S37	25YR-72HR	9.54	4.92	0.0010	14.33	14.39	404
EX6S39	25YR-72HR	9.11	4.93	0.0004	0.56	0.56	113
EX6S40	25YR-72HR	9.65	5.05	0.0000	0.00	0.00	113
EX6S41	25YR-72HR	8.50	4.64	0.0003	1.42	1.42	113
EX6S42	25YR-72HR	8.45	3.75	0.0006	3.39	3.36	121
EX6S42A	25YR-72HR	3.45	3.75	0.0006	1.69	1.67	121
EX6S43	25YR-72HR	12.51	8.31	0.0005	3.15	3.15	177
EX6S44	25YR-72HR	11.33	7.38	0.0007	6.49	6.30	257
EX6S45	25YR-72HR	11.01	7.28	0.0023	6.30	6.26	193
EX6S51	25YR-72HR	5.35	5.69	0.0010	6.55	6.40	476
EX6S51A	25YR-72HR	6.00	5.69	0.0010	1.64	1.31	113
EX6S53	25YR-72HR	9.57	6.64	0.0008	3.78	3.77	113
EX6S55	25YR-72HR	22.61	18.77	0.0005	2.48	2.47	113
EX6S56	25YR-72HR	19.68	15.24	0.0011	17.90	17.62	338
EX6S57	25YR-72HR	30.41	25.74	0.0010	11.02	11.01	370
EX6S58	25YR-72HR	34.05	26.52	0.0004	0.87	0.87	113
EX6S59	25YR-72HR	32.05	29.60	0.0010	2.60	2.59	113
EX6S60	25YR-72HR	33.39	29.56	0.0010	9.45	9.44	159
EX6S61	25YR-72HR	33.33	29.64	0.0010	6.86	6.86	157
EX6S62	25YR-72HR	6.95	4.87	0.0007	0.62	0.11	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX6S62A	25YR-72HR	6.31	4.87	0.0010	2.26	2.20	113
EX6S63	25YR-72HR	8.34	5.39	0.0013	8.30	8.37	207
EX6S64	25YR-72HR	8.45	5.38	0.0010	22.08	21.29	239
EX6S65C	25YR-72HR	7.45	3.20	0.0005	23.30	23.30	113
EX6S70	25YR-72HR	21.22	18.48	0.0010	14.86	14.85	431
EX6S71	25YR-72HR	25.66	21.26	0.0010	12.03	12.03	250
EX6S72	25YR-72HR	34.10	29.79	0.0004	0.80	0.80	142
EX6S74	25YR-72HR	23.65	22.81	0.0004	2.04	2.04	113
EX6S75	25YR-72HR	22.84	18.73	0.0004	0.93	0.93	113
EX6S75A	25YR-72HR	22.72	18.48	0.0006	1.85	1.85	113
EX6S75B	25YR-72HR	22.83	18.81	0.0003	0.56	0.56	113
EX6S76	25YR-72HR	24.27	21.33	0.0010	7.09	7.09	133
EX6S77	25YR-72HR	27.93	24.37	0.0010	5.80	5.80	223
EX6S77A	25YR-72HR	32.32	28.34	0.0007	4.51	4.50	230
EX6S78	25YR-72HR	36.81	33.50	0.0005	3.15	3.15	212
EX6S78A	25YR-72HR	39.68	36.16	0.0004	1.92	1.92	113
EX6S79	25YR-72HR	9.49	5.34	0.0008	8.98	8.84	222
EX6S83	25YR-72HR	8.61	5.36	0.0007	8.59	8.45	272
EX6S84	25YR-72HR	10.83	5.39	0.0012	8.19	8.32	258
EX6S85	25YR-72HR	9.45	5.39	0.0023	7.64	7.37	265
EX6S86	25YR-72HR	9.00	5.39	0.0008	0.31	0.56	113
EX6S87B	25YR-72HR	8.95	5.92	0.0004	0.99	0.99	113
EXCS6S65A	25YR-72HR	7.45	4.85	0.0015	23.31	23.30	113
EXCS6S65B	25YR-72HR	7.45	4.69	0.0013	23.30	23.30	113
O601	25YR-72HR	3.61	2.45	0.0002	23.30	0.00	0
POND 6W1	25YR-72HR	9.45	5.34	0.0008	29.92	19.11	19495
POND 6W2	25YR-72HR	9.00	5.63	0.0009	12.16	12.03	4758
PR6S08	25YR-72HR	26.77	19.65	0.0228	8.09	25.82	113
PR6S21	25YR-72HR	9.00	5.60	0.0010	10.90	10.86	645
PR6S46	25YR-72HR	9.94	7.20	0.0228	25.82	15.43	459
PR6S46A	25YR-72HR	6.00	5.16	0.0009	9.55	9.54	463
PR6S46A1	25YR-72HR	6.00	5.23	0.0010	19.33	19.31	487
PR6S48	25YR-72HR	8.82	6.24	0.0098	17.06	17.01	357
PR6S50	25YR-72HR	7.87	5.67	0.0010	4.98	4.84	160
PR6S56A	25YR-72HR	20.00	5.64	0.0010	17.62	17.58	641
PR6S68	25YR-72HR	9.00	7.13	0.0020	2.25	0.54	113
PR6S69	25YR-72HR	15.00	13.06	0.0010	16.48	16.47	283
PR6S81	25YR-72HR	9.39	5.59	0.0070	5.55	12.74	189
PR6S82	25YR-72HR	8.61	5.48	0.0028	6.55	5.98	259
PR6S87	25YR-72HR	9.84	5.50	0.0016	15.44	15.29	276
PR6S87A	25YR-72HR	9.65	5.40	0.0015	16.21	16.07	178
PR6S87A1	25YR-72HR	6.00	1.45	0.0000	0.00	0.00	113
PRSWALE 6E2	25YR-72HR	6.00	5.29	0.0010	7.57	7.59	113
SWALE 6E1	25YR-72HR	6.45	5.41	0.0008	10.03	7.57	5183

System 7

Pre-Development Land Use Tables
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Water Quality Summary Table
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Drainage System Summary Tables

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

PRE-DEVELOPMENT LAND-USE

Drainage System: **7** **SHGWT EL. (ft-NAVD):** **1.44**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
7B01A	**10**	**1.02**	**1.02**	1.02	0.00	0.00	**0.00**	0.00	0.00	0.00	13.50	12.06	8.18	**98.00**
7B03	**10**	**0.29**	**0.29**	0.29	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.56	8.18	**98.00**
7B8A_1	**10**	**0.77**	**0.77**	0.72	0.00	0.05	**0.00**	0.00	0.00	0.00	13.00	11.56	8.18	**94.96**
7B8A_2	**10**	**1.34**	**1.34**	0.92	0.00	0.42	**0.00**	0.00	0.00	0.00	8.00	6.56	8.18	**79.60**
7B13	**10**	**0.26**	**0.26**	0.26	0.00	0.00	**0.00**	0.00	0.00	0.00	14.00	12.56	8.18	**98.00**
7B16_1	**10**	**0.47**	**0.47**	0.47	0.00	0.00	**0.00**	0.00	0.00	0.00	35.00	33.56	8.18	**98.00**
7B16_2	**10**	**0.25**	**0.25**	0.25	0.00	0.00	**0.00**	0.00	0.00	0.00	35.00	33.56	8.18	**98.00**
7B16_3	**10**	**0.34**	**0.34**	0.34	0.00	0.00	**0.00**	0.00	0.00	0.00	14.00	12.56	8.18	**98.00**
7B18_1	**10**	**1.20**	**1.20**	0.27	0.00	0.93	**0.00**	0.00	0.00	0.00	15.00	13.56	8.18	**61.21**
7B18_2	**10**	**0.16**	**0.16**	0.16	0.00	0.00	**0.00**	0.00	0.00	0.00	13.00	11.56	8.18	**98.00**
7B22_1	**10**	**1.10**	**1.10**	1.10	0.00	0.00	**0.00**	0.00	0.00	0.00	13.00	11.56	8.18	**98.00**
7B22_2	**10**	**0.23**	**0.23**	0.23	0.00	0.00	**0.00**	0.00	0.00	0.00	40.00	38.56	8.18	**98.00**
7B27_1	**10**	**0.48**	**0.48**	0.48	0.00	0.00	**0.00**	0.00	0.00	0.00	35.00	33.56	8.18	**98.00**
7B27_2	**10**	**0.98**	**0.98**	0.98	0.00	0.00	**0.00**	0.00	0.00	0.00	15.00	13.56	8.18	**98.00**
7B32	**10**	**5.43**	**5.43**	4.49	0.00	0.94	**0.00**	0.00	0.00	0.00	10.00	8.56	8.18	**87.60**
7B41	**10**	**1.00**	**1.00**	1.00	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.56	8.18	**98.00**
7B45	**10**	**0.90**	**0.90**	0.90	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.56	8.18	**98.00**
7B66	**10**	**0.17**	**0.17**	0.17	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.56	8.18	**98.00**
7B68	**10**	**0.72**	**0.72**	0.33	0.00	0.39	**0.00**	0.00	0.00	0.00	9.00	7.56	8.18	**69.30**
7B71_1	**10**	**0.98**	**0.98**	0.38	0.00	0.60	**0.00**	0.00	0.00	0.00	11.00	9.56	8.18	**66.64**
7B71_2	**10**	**0.22**	**0.22**	0.12	0.00	0.10	**0.00**	0.00	0.00	0.00	14.50	13.06	8.18	**72.90**
7B78	**10**	**0.66**	**0.66**	0.54	0.00	0.12	**0.00**	0.00	0.00	0.00	14.00	12.56	8.18	**87.06**
7B86	**10**	**0.37**	**0.37**	0.37	0.00	0.00	**0.00**	0.00	0.00	0.00	8.00	6.56	8.18	**98.00**
7B90	**10**	**0.10**	**0.10**	0.10	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.56	8.18	**98.00**
7B92	**10**	**0.12**	**0.12**	0.12	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.56	8.18	**98.00**
7B94_1	**10**	**0.46**	**0.46**	0.46	0.00	0.00	**0.00**	0.00	0.00	0.00	40.00	38.56	8.18	**98.00**
7B94_2	**10**	**0.07**	**0.07**	0.07	0.00	0.00	**0.00**	0.00	0.00	0.00	15.00	13.56	8.18	**98.00**
7B97	**10**	**0.26**	**0.26**	0.00	0.00	0.26	**0.00**	0.00	0.00	0.00	12.00	10.56	8.18	**55.01**
7B01-OFFSITE	**10**	**1.01**	**0.00**	0.00	0.00	0.00	**1.01**	1.01	0.00	0.00	7.00	5.56	8.18	**98.00**
7B02-OFFSITE	**10**	**0.29**	**0.00**	0.00	0.00	0.00	**0.29**	0.15	0.00	0.14	7.00	5.56	8.18	**71.69**
7B03-OFFSITE	**10**	**0.70**	**0.00**	0.00	0.00	0.00	**0.70**	0.37	0.00	0.33	7.00	5.56	8.18	**72.17**
7B04-OFFSITE	**10**	**0.24**	**0.00**	0.00	0.00	0.00	**0.24**	0.07	0.00	0.17	7.00	5.56	8.18	**63.32**
7BCSX04	**10**	**0.44**	**0.00**	0.00	0.00	0.00	**0.44**	0.00	0.00	0.44	5.00	3.56	4.95	**66.89**
7BCSX05	**10**	**0.25**	**0.00**	0.00	0.00	0.00	**0.25**	0.00	0.00	0.25	8.00	6.56	8.18	**55.01**
7BEX01	**10**	**1.11**	**1.11**	0.46	0.00	0.65	**0.00**	0.00	0.00	0.00	6.00	4.56	8.18	**67.62**
7BEX03	**10**	**0.88**	**0.88**	0.00	0.00	0.88	**0.00**	0.00	0.00	0.00	10.00	8.56	8.18	**55.01**
POND 7W1	**10**	**2.14**	**2.14**	1.10	0.00	1.04	**0.00**	0.00	0.00	0.00	8.00	6.56	8.18	**71.56**
SWALE 7W1	**10**	**0.25**	**0.25**	0.06	0.00	0.19	**0.00**	0.00	0.00	0.00	10.00	8.56	8.18	**61.67**
SYSTEM 7 TOTALS		**27.66**	**24.73**	**18.16**	**0.00**	**6.57**	**2.93**	**1.60**	**0.00**	**1.33**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

Drainage System: 7 SHGWT EL. (ft-NAVD): 1.44

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
7B01A	10	1.01	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	13.50	12.06	8.18	98.00
7B03	10	0.29	0.29	0.29	0.00	0.00	0.00	0.00	0.00	0.00	11.00	9.56	8.18	98.00
7B8A_1	10	0.77	0.77	0.73	0.00	0.04	0.00	0.00	0.00	0.00	13.00	11.56	8.18	95.93
7B8A_2	10	1.24	1.24	1.17	0.00	0.07	0.00	0.00	0.00	0.00	8.00	6.56	8.18	95.59
7B13	10	0.26	0.26	0.26	0.00	0.00	0.00	0.00	0.00	0.00	14.00	12.56	8.18	98.00
7B16_1	10	0.52	0.52	0.52	0.00	0.00	0.00	0.00	0.00	0.00	35.00	33.56	8.18	98.00
7B16_2	10	0.28	0.28	0.28	0.00	0.00	0.00	0.00	0.00	0.00	35.00	33.56	8.18	98.00
7B16_3	10	0.26	0.26	0.26	0.00	0.00	0.00	0.00	0.00	0.00	14.00	12.56	8.18	98.00
7B18_1	10	0.98	0.98	0.28	0.00	0.70	0.00	0.00	0.00	0.00	15.00	13.56	8.18	63.12
7B18_2	10	0.16	0.16	0.16	0.00	0.00	0.00	0.00	0.00	0.00	13.00	11.56	8.18	98.00
7B22_1	10	0.39	0.39	0.39	0.00	0.00	0.00	0.00	0.00	0.00	13.00	11.56	8.18	98.00
7B22_2	10	0.23	0.23	0.23	0.00	0.00	0.00	0.00	0.00	0.00	40.00	38.56	8.18	98.00
7B27_1	10	0.47	0.47	0.47	0.00	0.00	0.00	0.00	0.00	0.00	35.00	33.56	8.18	98.00
7B27_2	10	0.26	0.26	0.26	0.00	0.00	0.00	0.00	0.00	0.00	15.00	13.56	8.18	98.00
7B32	10	0.71	0.71	0.71	0.00	0.00	0.00	0.00	0.00	0.00	10.00	8.56	8.18	98.00
7B41	10	1.17	1.17	1.17	0.00	0.00	0.00	0.00	0.00	0.00	12.00	10.56	8.18	98.00
7B45	10	0.90	0.90	0.90	0.00	0.00	0.00	0.00	0.00	0.00	11.00	9.56	8.18	98.00
7B66	10	0.17	0.17	0.17	0.00	0.00	0.00	0.00	0.00	0.00	12.00	10.56	8.18	98.00
7B68	10	0.84	0.84	0.35	0.00	0.49	0.00	0.00	0.00	0.00	9.00	7.56	8.18	67.70
7B71_1	10	0.98	0.98	0.38	0.00	0.60	0.00	0.00	0.00	0.00	11.00	9.56	8.18	66.64
7B71_2	10	0.22	0.22	0.11	0.00	0.11	0.00	0.00	0.00	0.00	14.50	13.06	8.18	70.98
7B78	10	0.66	0.66	0.54	0.00	0.12	0.00	0.00	0.00	0.00	14.00	12.56	8.18	87.06
7B86	10	0.50	0.50	0.47	0.00	0.03	0.00	0.00	0.00	0.00	8.00	6.56	8.18	95.33
7B90	10	0.16	0.16	0.14	0.00	0.02	0.00	0.00	0.00	0.00	9.00	7.56	8.18	90.73
7B92	10	0.04	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.00	10.00	8.56	8.18	55.01
7B94_1	10	0.46	0.46	0.46	0.00	0.00	0.00	0.00	0.00	0.00	40.00	38.56	8.18	98.00
7B94_2	10	0.06	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	15.00	13.56	8.18	98.00
7B97	10	0.26	0.26	0.00	0.00	0.26	0.00	0.00	0.00	0.00	12.00	10.56	8.18	55.01
7B201	10	1.07	1.07	1.07	0.00	0.00	0.00	0.00	0.00	0.00	35.00	33.56	8.18	98.00
7B202	10	0.55	0.55	0.55	0.00	0.00	0.00	0.00	0.00	0.00	35.00	33.56	8.18	98.00
7B203	10	0.65	0.65	0.65	0.00	0.00	0.00	0.00	0.00	0.00	10.00	8.56	8.18	98.00
7B204	10	0.45	0.45	0.45	0.00	0.00	0.00	0.00	0.00	0.00	10.00	8.56	8.18	98.00
7B205	10	0.52	0.52	0.52	0.00	0.00	0.00	0.00	0.00	0.00	10.00	8.56	8.18	98.00
7B206	10	0.47	0.47	0.47	0.00	0.00	0.00	0.00	0.00	0.00	35.00	33.56	8.18	98.00
7B207	10	0.73	0.73	0.73	0.00	0.00	0.00	0.00	0.00	0.00	35.00	33.56	8.18	98.00
7B208	10	0.90	0.90	0.90	0.00	0.00	0.00	0.00	0.00	0.00	25.00	23.56	8.18	98.00
7B209	10	1.20	1.20	0.94	0.00	0.26	0.00	0.00	0.00	0.00	30.00	28.56	8.18	84.95
7B210	10	0.42	0.42	0.00	0.00	0.42	0.00	0.00	0.00	0.00	10.00	8.56	8.18	55.01
7B01-OFFSITE	10	1.01	0.00	0.00	0.00	0.00	1.01	1.01	0.00	0.00	7.00	5.56	8.18	98.00
7B02-OFFSITE	10	0.29	0.00	0.00	0.00	0.00	0.29	0.15	0.00	0.14	7.00	5.56	8.18	71.69
7B03-OFFSITE	10	0.70	0.00	0.00	0.00	0.00	0.70	0.37	0.00	0.33	7.00	5.56	8.18	72.17
7B04-OFFSITE	10	0.24	0.00	0.00	0.00	0.00	0.24	0.07	0.00	0.17	7.00	5.56	8.18	63.32
7BCSX04	10	0.29	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.29	5.00	3.56	4.95	66.89
7BCSX05	10	0.25	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.25	8.00	6.56	8.18	55.01
7BEX01	10	1.11	1.11	0.46	0.00	0.65	0.00	0.00	0.00	0.00	6.00	4.56	8.18	67.62
7BEX03	10	0.60	0.60	0.00	0.00	0.60	0.00	0.00	0.00	0.00	10.00	8.56	8.18	55.01
POND 7W1	10	2.14	2.14	1.10	0.00	1.04	0.00	0.00	0.00	0.00	8.00	6.56	8.18	71.56
SWALE 7W1	10	0.25	0.25	0.06	0.00	0.19	0.00	0.00	0.00	0.00	10.00	8.56	8.18	61.67
SYSTEM 7 TOTALS		28.09	25.31	19.67	0.00	5.64	2.78	1.60	0.00	1.18	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY SUMMARY

Drainage System: ***7***

SYSTEM	SHGWT EL. (ft-NAVD)	TOTAL ONSITE AREA (Ac.) *[POST-DEV.]*	ONSITE IMPERVIOUS AREA (Ac.) *[POST-DEV.]*	ONSITE PERVIOUS AREA (Ac.) *[POST-DEV.]*	SFWMD 1" OVER TOTAL ONSITE AREA (Ac-ft)	SFWMD 2.5" OVER IMPERVIOUS AREA (Ac-ft)	[1] SFWMD WATER QUALITY TREATMENT REQUIRED FOR RETENTION (Ac-ft)	[2] DRER WATER QUALITY TREATMENT REQUIRED (Ac-ft)	[3] DRY- / WET-RETENTION TREATMENT VOLUME PROVIDED (Ac-ft)	FRENCH DRAIN TREATMENT VOLUME PROVIDED (Ac-ft)	TOTAL TREATMENT VOLUME PROVIDED (Ac-ft)	SFWMD SURPLUS TREATMENT VOLUME PROVIDED (Ac-ft)
7	1.44	25.31	19.67	5.64	2.11	4.10	**4.10**	**3.29**	0.00	11.05	**11.05**	**6.96**
SYSTEM TOTAL	1.44	25.31	19.67	5.64	2.11	4.10	4.10	3.29	0.00	11.05	**11.05**	**6.96**

[1] 2.5" over Additional Impervious Area.

[2] See next page for water quality calculations by Miami-Dade Department of Regulatory and Economic Resources (DRER).

[3] Multiplied by 2 to account for 50% retention volume credit.

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY CALCULATIONS BY DRER

Drainage System: **7**

AREA:

Onsite Impervious	**19.67**	Ac.	78%
Onsite Pervious	**5.64**	Ac.	22%
Total Area	**25.31**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.77 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV}) / A_T = \mathbf{0.77}$$

$t_{1"}$ = 12.15 min.

TOTAL TIME OF CONCENTRATION (T_T)

$$T_T = t_{1"} + Tc = 22.15 \text{ min.}$$

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.56 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ CiA\ T_T =$ **143237.39** **cf** **3.29** **ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

VARIABLE GROUNDWATER CALCULATIONS

Drainage System: **7**

Stage = DHW + [PRG x (RF - DHW)]
See ADICPR Technical Design Guide 2-25

Elevation Conversion:	-1.56	ft.	(NGVD-NAVD)

DHW =	3.00	ft. - NGVD	Design High Water / October Average Groundwater Elevation
	1.44	ft. - NAVD	(MD PWD - W.C. 2.2)
RF =	4.50	ft. - NGVD	Return Frequency Groundwater Elevation / Average Yearly Highest Groundwater Level (AYH) (MD
	2.94	ft. - NAVD	PWD - W.C. 2.1)
PRG=	Variable		(Percentage Rise in Groundwater)

24HR DESIGN STORM DURATION		
TIME	PRG	STAGE
(hrs)	%	(ft-NAVD)
0.00	0.00	1.44
1.00	0.01	1.46
2.00	0.03	1.49
3.00	0.06	1.53
4.00	0.09	1.58
5.00	0.12	1.62
6.00	0.16	1.68
7.00	0.20	1.74
8.00	0.24	1.80
9.00	0.30	1.89
10.00	0.36	1.98
11.00	0.44	2.10
12.00	0.54	2.25
13.00	0.61	2.36
14.00	0.67	2.45
15.00	0.73	2.54
16.00	0.78	2.61
17.00	0.82	2.67
18.00	0.86	2.73
19.00	0.90	2.79
20.00	0.93	2.84
21.00	0.96	2.88
22.00	0.98	2.91
23.00	0.99	2.93
24.00	1.00	2.94
36.00	0.00	1.44

72HR DESIGN STORM DURATION		
TIME	PRG	STAGE
(hrs)	%	(ft-NAVD)
0.00	0.00	1.44
24.00	0.11	1.60
36.00	0.19	1.72
48.00	0.26	1.84
49.00	0.27	1.85
50.00	0.28	1.86
51.00	0.29	1.87
52.00	0.30	1.89
53.00	0.31	1.90
54.00	0.33	1.93
55.00	0.34	1.96
56.00	0.37	1.99
57.00	0.39	2.03
57.50	0.40	2.05
58.00	0.42	2.07
58.50	0.44	2.10
59.00	0.46	2.13
59.50	0.50	2.19
60.00	0.75	2.56
60.50	0.80	2.64
61.00	0.83	2.68
61.50	0.85	2.71
62.00	0.87	2.74
62.50	0.88	2.76
63.00	0.89	2.77
64.00	0.91	2.81
65.00	0.92	2.83
66.00	0.94	2.85
68.00	0.96	2.89
70.00	0.98	2.91
72.00	1.00	2.94
108.00	0.00	1.44

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

VARIABLE TAILWATER *

Drainage System: **7**

24HR DESIGN STORM DURATION		72HR DESIGN STORM DURATION	
TIME (hrs)	**STAGE (ft-NGVD)**	**TIME (hrs)**	**STAGE (ft-NGVD)**
0.00	1.44	0.00	1.44
12.50	2.64	60.50	3.60
24.00	2.64	72.00	3.60
48.00	1.44	96.00	1.44
300.00	1.44	300.00	1.44

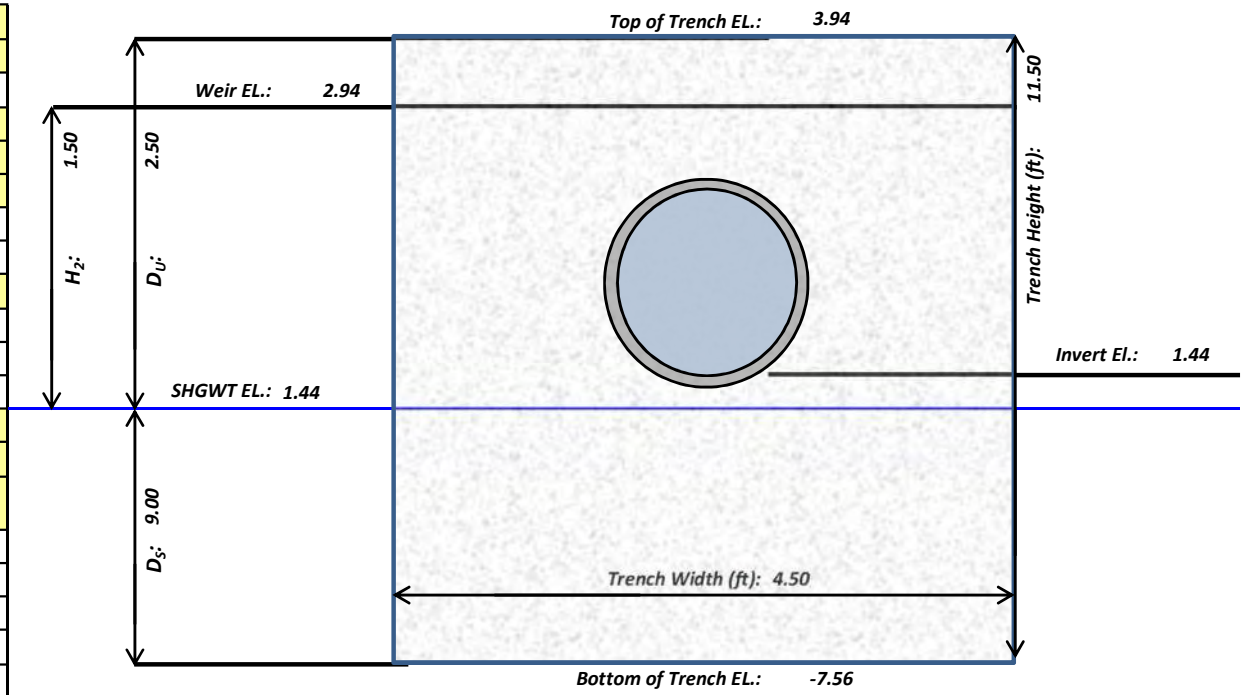
** Per SR-826 Palmetto Expressway (Section 2) from South of Sunset Drive to North of Bird Road - Drainage Report System 5*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 7

French Drain (ICPR Link Name):	EX7S8A_7GW2 / EX7S11_7GW2
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	77.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	38.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	3.94
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	11.50
Weir EL. (ft-NAVD):	2.94
Trench Width, W (ft):	4.50
PT-9, PT-10, PT-11 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	3.45E-03
Depth to Water Table, H_2 (ft):	1.50
Non-Saturated Trench Depth, D_U (ft):	2.50
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.75
$2H_2D_U$:	7.50
D_U^2:	6.25
$2H_2D_S$:	27.00
$(1.39x10^{-4})WD_U$:	0.001564
d_2:	0.00
d_3:	0.00
K_{10}:	3.45E-03
K_{15}:	3.45E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	3.81
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.32**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 7

French Drain (ICPR Link Name): **EX7S8A_7GW2 / EX7S11_7GW2**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **19.25**
Trench Height, H_T (ft): **11.50**
Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **3.450E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **3.94**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.94**
Upstream Structure Rim/Grate EL. (ft-NAVD): **6.84**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**3.94**	2.50	9.00	2.50	0.15000	**2.8875**	$E = 2K_{avg} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	2.50	9.00	6.00	0.15000	**2.8875**	$E = 2Kavg[D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**3.94**	1.00	10.50	1.00	0.07590	**1.4611**	$E = 2KavgD_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.00	10.50	4.50	0.15000	**2.8875**	$E = 2Kavg [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

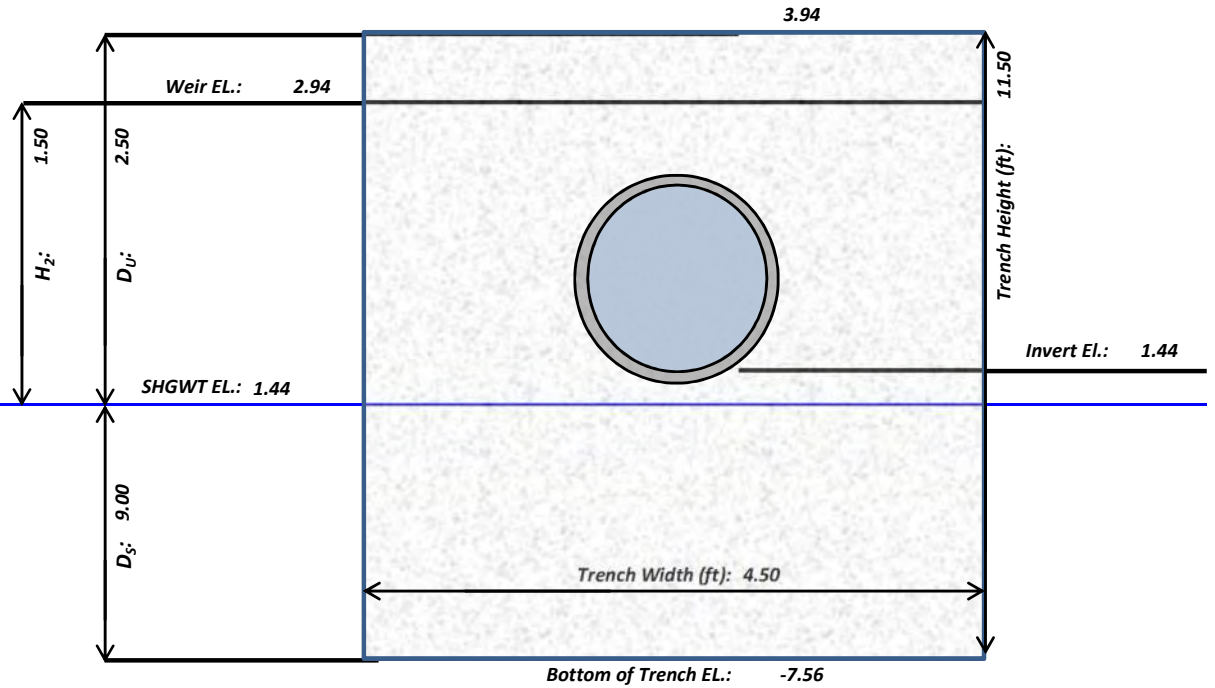
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**3.94**	**2.8875**
1.44	**7.44**	**2.8875**
2.94	**2.94**	**0.0000**
2.94	**3.94**	**1.4611**
2.94	**7.44**	**2.8875**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 7

French Drain (ICPR Link Name):	**EX7S11_7GW3 / EX7S68_7GW3**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.44**
Pipe Size (in):	**24**
Effective Length of French Drain, *L* (LF):	**220.5**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, *L* (LF):	**110.25**
Pipe Thickness (in):	**3.00**
Pipe Invert EL. (ft-NAVD):	**1.44**
Top of Trench EL. (ft-NAVD):	3.94
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	11.50
Weir EL. (ft-NAVD):	2.94
Trench Width, *W* (ft):	4.50
PT-9, PT-10, PT-11 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**3.45E-03**
Depth to Water Table, H_2 (ft):	1.50
Non-Saturated Trench Depth, D_U (ft):	2.50
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.75
$2H_2D_U$:	7.50
D_U^2:	6.25
$2H_2D_S$:	27.00
$(1.39x10^{-4})WD_U$:	0.001564
d_2:	0.00
d_3:	0.00
K_{10}:	3.45E-03
K_{15}:	3.45E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	**N/A**
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	**10.92**
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**0.91**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U{}^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U{}^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 7

French Drain (ICPR Link Name): **EX7S11_7GW3 / EX7S68_7GW3**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **55.13**
Trench Height, H_T (ft): **11.50**
Trench Width, *W* (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **3.450E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **3.94**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.94**
Upstream Structure Rim/Grate EL. (ft-NAVD): **5.94**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**3.94**	2.50	9.00	2.50	0.15000	**8.2688**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	2.50	9.00	6.00	0.15000	**8.2688**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**3.94**	1.00	10.50	1.00	0.07590	**4.1840**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.00	10.50	4.50	0.15000	**8.2688**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

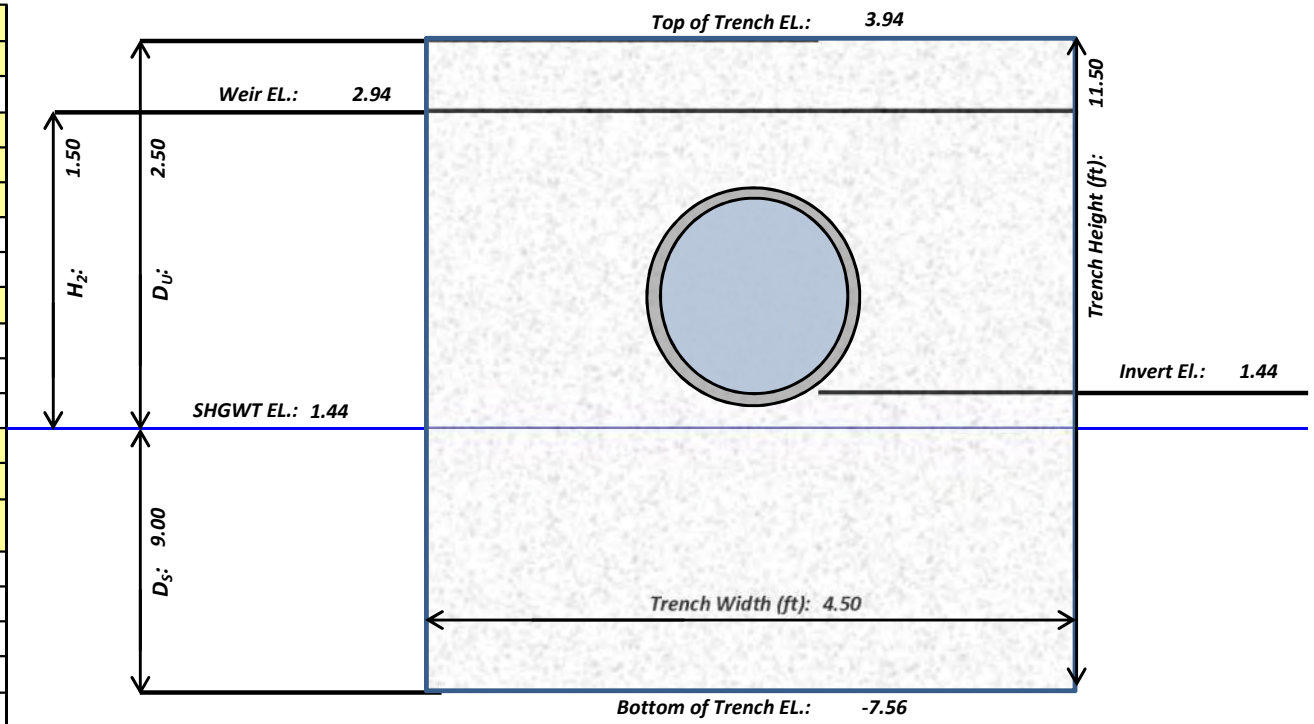
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**3.94**	**8.2688**
1.44	**7.44**	**8.2688**
2.94	**2.94**	**0.0000**
2.94	**3.94**	**4.1840**
2.94	**7.44**	**8.2688**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 7

French Drain (ICPR Link Name):	**EX7S13_7GW4**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	102.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	51.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	3.94
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	11.50
Weir EL. (ft-NAVD):	2.94
Trench Width, W (ft):	4.50
PT-9, PT-10, PT-11 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	3.45E-03
Depth to Water Table, H_2 (ft):	1.50
Non-Saturated Trench Depth, D_U (ft):	2.50
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.75
$2H_2D_U$:	7.50
D_U^2:	6.25
$2H_2D_S$:	27.00
$(1.39x10^{-4})WD_U$:	0.001564
d_2:	0.00
d_3:	0.00
K_{10}:	3.45E-03
K_{15}:	3.45E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	5.05
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.42**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 7

French Drain (ICPR Link Name): **EX7S13_7GW4**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **51.00**
Trench Height, H_T (ft): **11.50**
Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **3.450E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **3.94**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.94**
Upstream Structure Rim/Grate EL. (ft-NAVD): **11.45**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**
** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**3.94**	2.50	9.00	2.50	0.15000	**7.6500**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	2.50	9.00	6.00	0.15000	**7.6500**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**3.94**	1.00	10.50	1.00	0.07590	**3.8709**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.00	10.50	4.50	0.15000	**7.6500**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**3.94**	**7.6500**
1.44	**7.44**	**7.6500**
2.94	**2.94**	**0.0000**
2.94	**3.94**	**3.8709**
2.94	**7.44**	**7.6500**

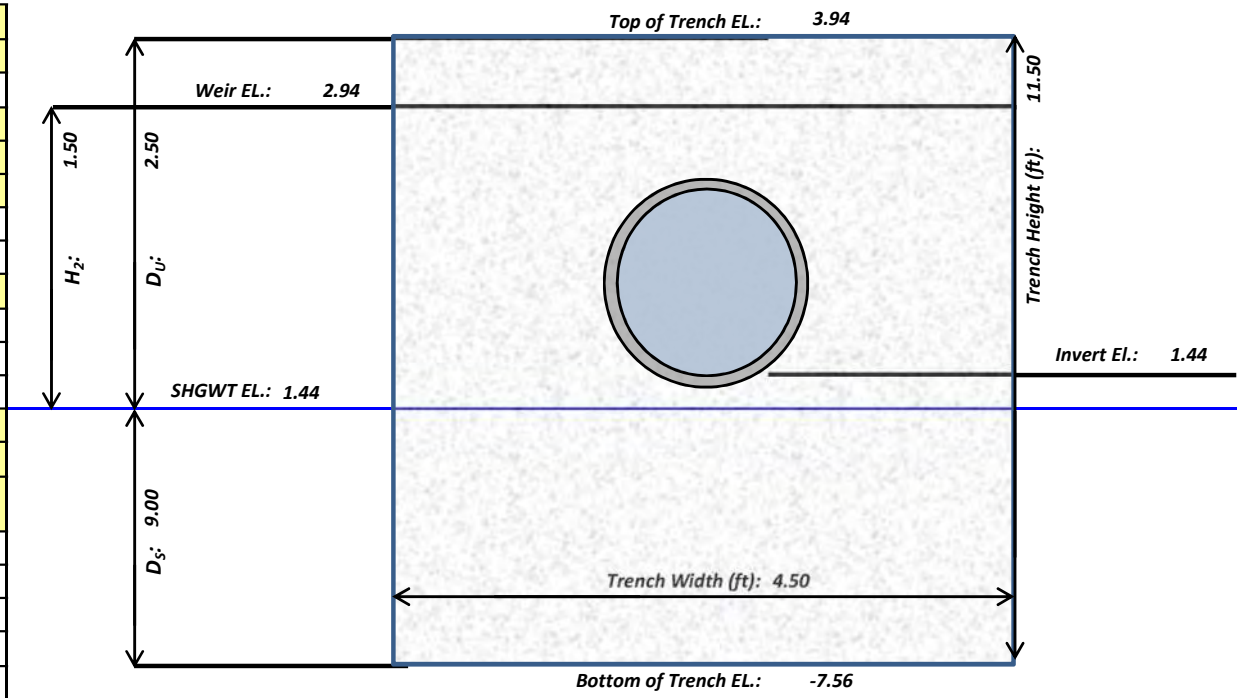
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 7

French Drain (ICPR Link Name):	EX7S27_7GW5 / EX7S32_7GW5
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	219.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	109.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	3.94
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	11.50
Weir EL. (ft-NAVD):	2.94
Trench Width, W (ft):	4.50
PT-9, PT-10, PT-11 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	3.45E-03
Depth to Water Table, H_2 (ft):	1.50
Non-Saturated Trench Depth, D_U (ft):	2.50
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.75
$2H_2D_U$:	7.50
D_U^2:	6.25
$2H_2D_S$:	27.00
$(1.39x10^{-4})WD_U$:	0.001564
d_2:	0.00
d_3:	0.00
K_{10}:	3.45E-03
K_{15}:	3.45E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	10.84
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.90 ***

**Note: FD not considered for water quality purposes*



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 7

French Drain (ICPR Link Name): **EX7S27_7GW5 / EX7S32_7GW5**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1/2 Length of French Drain, *L* (LF) * : **54.75**
Trench Height, H_T (ft): **11.50**
Trench Width, *W* (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **3.450E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **3.94**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.94**
Upstream Structure Rim/Grate EL. (ft-NAVD): **7.50**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**3.94**	2.50	9.00	2.50	0.15000	**8.2125**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	2.50	9.00	6.00	0.15000	**8.2125**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**3.94**	1.00	10.50	1.00	0.07590	**4.1555**	$E = 2Kavg\, D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.00	10.50	4.50	0.15000	**8.2125**	$E = 2Kavg\,[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**3.94**	**8.2125**
1.44	**7.44**	**8.2125**
2.94	**2.94**	**0.0000**
2.94	**3.94**	**4.1555**
2.94	**7.44**	**8.2125**

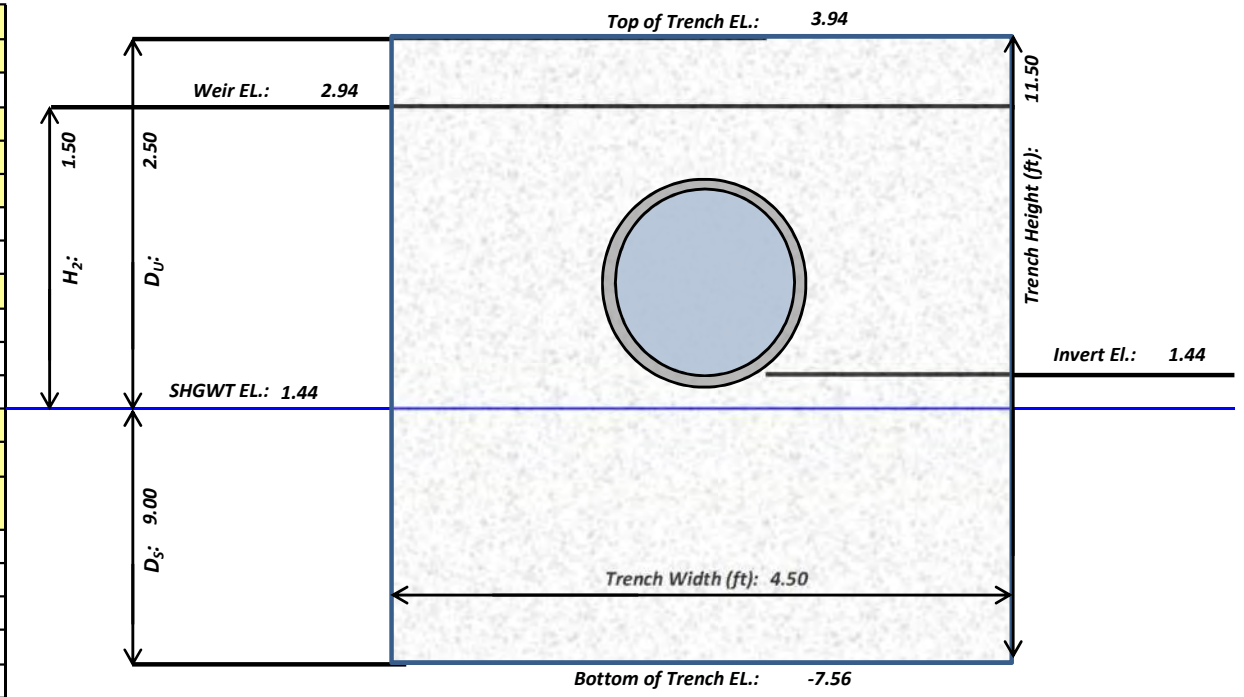
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 7

French Drain (ICPR Link Name):	EX7S32_7GW6 / EX7S41_7GW6
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	350.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	175.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	3.94
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	11.50
Weir EL. (ft-NAVD):	2.94
Trench Width, W (ft):	4.50
PT-9, PT-10, PT-11 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	3.45E-03
Depth to Water Table, H_2 (ft):	1.50
Non-Saturated Trench Depth, D_U (ft):	2.50
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.75
$2H_2D_U$:	7.50
D_U^2:	6.25
$2H_2D_S$:	27.00
$(1.39x10^{-4})WD_U$:	0.001564
d_2:	0.00
d_3:	0.00
K_{10}:	3.45E-03
K_{15}:	3.45E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	1.44
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.12 ***

**Note: FD not considered for water quality purposes*



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 7

French Drain (ICPR Link Name): **EX7S32_7GW6 / EX7S41_7GW6**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1/2 Length of French Drain, *L* (LF) * : **87.50**
Trench Height, H_T (ft): **11.50**
Trench Width, *W* (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **3.450E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **3.94**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.94**
Upstream Structure Rim/Grate EL. (ft-NAVD): **8.60**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**3.94**	2.50	9.00	2.50	0.15000	**13.1250**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	2.50	9.00	6.00	0.15000	**13.1250**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**3.94**	1.00	10.50	1.00	0.07590	**6.6413**	$E = 2Kavg D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.00	10.50	4.50	0.15000	**13.1250**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

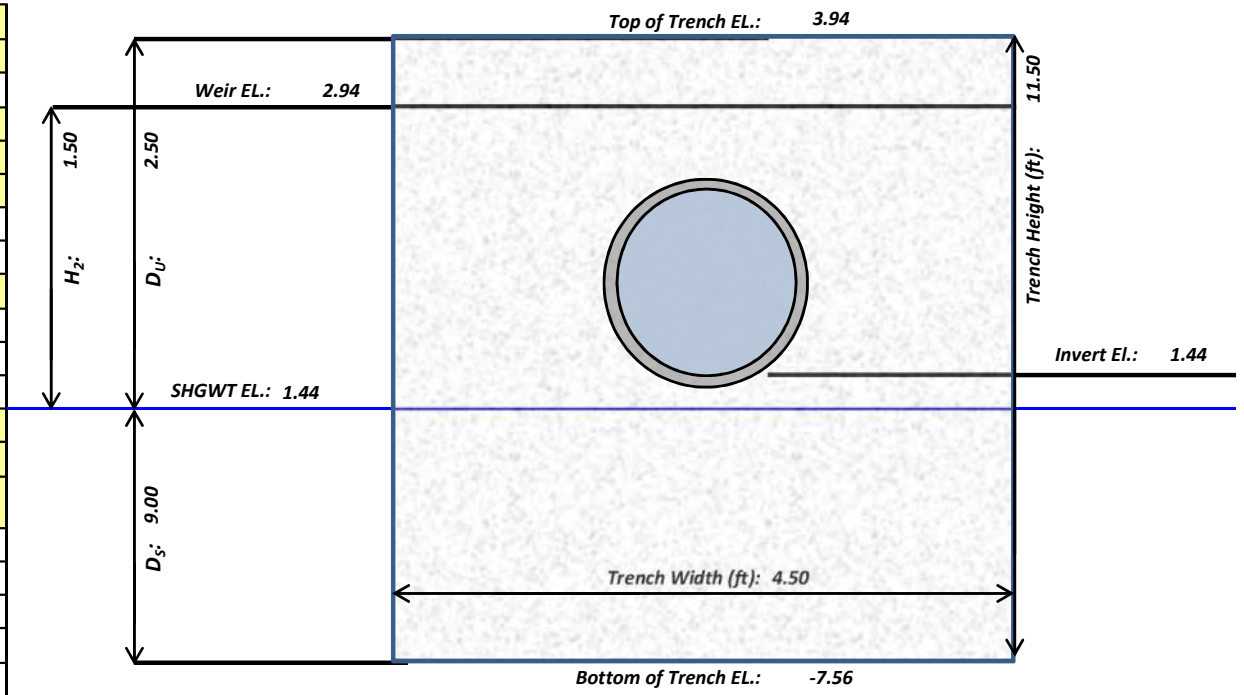
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**3.94**	**13.1250**
1.44	**7.44**	**13.1250**
2.94	**2.94**	**0.0000**
2.94	**3.94**	**6.6413**
2.94	**7.44**	**13.1250**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 7

French Drain (ICPR Link Name):	**EX7S77_7GW7 / EX7S86_7GW7**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.44**
Pipe Size (in):	**24**
Effective Length of French Drain, L (LF):	**664.5**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, L (LF):	**332.25**
Pipe Thickness (in):	**3.00**
Pipe Invert EL. (ft-NAVD):	**1.44**
Top of Trench EL. (ft-NAVD):	3.94
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	11.50
Weir EL. (ft-NAVD):	2.94
Trench Width, W (ft):	4.50
PT-9, PT-10, PT-11 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**3.45E-03**
Depth to Water Table, H_2 (ft):	1.50
Non-Saturated Trench Depth, D_U (ft):	2.50
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.75
$2H_2D_U$:	7.50
D_U^2:	6.25
$2H_2D_S$:	27.00
$(1.39x10^{-4})WD_U$:	0.001564
d_2:	0.00
d_3:	0.00
K_{10}:	3.45E-03
K_{15}:	3.45E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	**N/A**
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	**32.90**
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**2.74**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 7

French Drain (ICPR Link Name): **EX7S77_7GW7 / EX7S86_7GW7**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1/2 Length of French Drain, *L* (LF) * : **166.13**
Trench Height, H_T (ft): **11.50**
Trench Width, *W* (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **3.450E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **3.94**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.94**
Upstream Structure Rim/Grate EL. (ft-NAVD): **4.94**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**
* Per Miami-Dade Public Works Design Standard W.C. 2.1*

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**3.94**	2.50	9.00	2.50	0.15000	**24.9188**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	2.50	9.00	6.00	0.15000	**24.9188**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**3.94**	1.00	10.50	1.00	0.07590	**12.6089**	$E = 2Kavg D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.00	10.50	4.50	0.15000	**24.9188**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

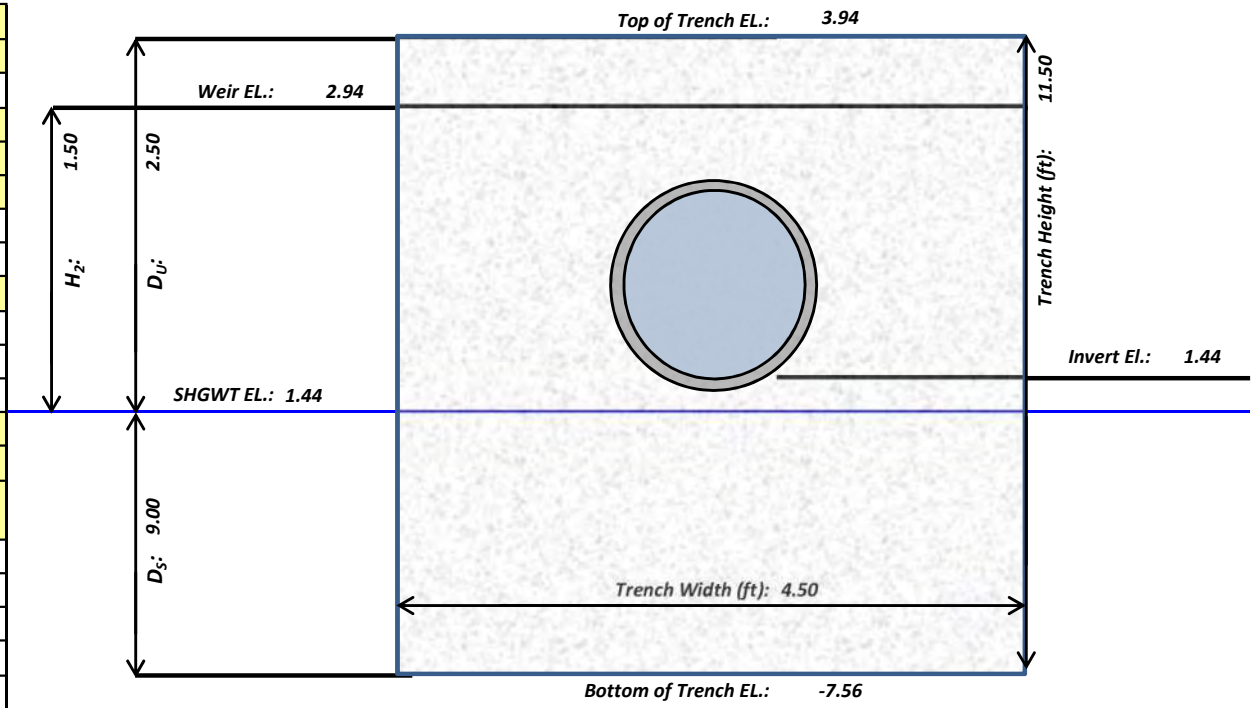
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**3.94**	**24.9188**
1.44	**7.44**	**24.9188**
2.94	**2.94**	**0.0000**
2.94	**3.94**	**12.6089**
2.94	**7.44**	**24.9188**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 7

French Drain (ICPR Link Name):	**EX7S66_7GW8 / EX7S45_7GW8**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.44**
Pipe Size (in):	**24**
Effective Length of French Drain, L (LF):	**354.0**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, L (LF):	**177.00**
Pipe Thickness (in):	**3.00**
Pipe Invert EL. (ft-NAVD):	**1.44**
Top of Trench EL. (ft-NAVD):	3.94
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	11.50
Weir EL. (ft-NAVD):	2.94
Trench Width, W (ft):	4.50
PT-9, PT-10, PT-11 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**3.45E-03**
Depth to Water Table, H_2 (ft):	1.50
Non-Saturated Trench Depth, D_U (ft):	2.50
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.75
$2H_2D_U$:	7.50
D_U^2:	6.25
$2H_2D_S$:	27.00
$(1.39x10^{-4})WD_U$:	0.001564
d_2:	0.00
d_3:	0.00
K_{10}:	3.45E-03
K_{15}:	3.45E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	**N/A**
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	**17.53**
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**1.46**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 7

French Drain (ICPR Link Name): **EX7S66_7GW8 / EX7S45_7GW8**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1/2 Length of French Drain, *L* (LF) * : **88.50**
Trench Height, H_T (ft): **11.50**
Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **3.450E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **3.94**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.94**
Upstream Structure Rim/Grate EL. (ft-NAVD): **9.57**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**

** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**3.94**	2.50	9.00	2.50	0.15000	**13.2750**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	2.50	9.00	6.00	0.15000	**13.2750**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**3.94**	1.00	10.50	1.00	0.07590	**6.7172**	$E = 2Kavg D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.00	10.50	4.50	0.15000	**13.2750**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

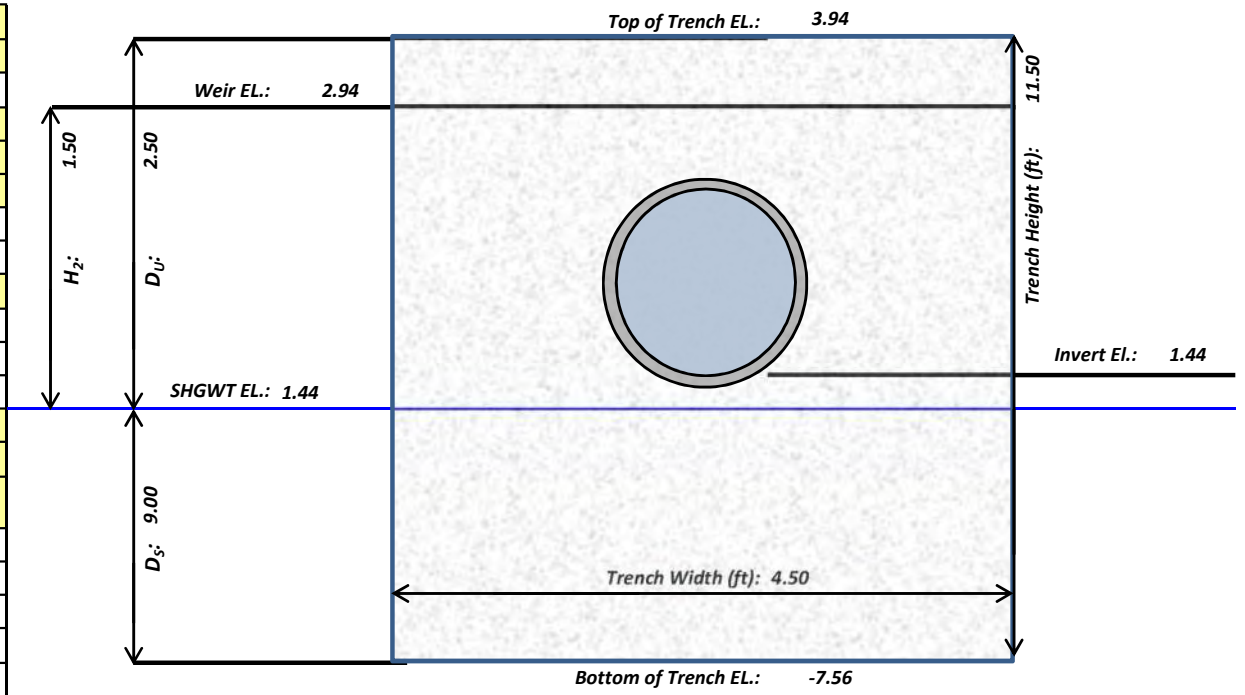
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**3.94**	**13.2750**
1.44	**7.44**	**13.2750**
2.94	**2.94**	**0.0000**
2.94	**3.94**	**6.7172**
2.94	**7.44**	**13.2750**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 7

French Drain (ICPR Link Name):	EX7S86_7GW9 / EX7S90_7GW9
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	245.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	122.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	3.94
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	11.50
Weir EL. (ft-NAVD):	2.94
Trench Width, W (ft):	4.50
PT-9, PT-10, PT-11 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	3.45E-03
Depth to Water Table, H_2 (ft):	1.50
Non-Saturated Trench Depth, D_U (ft):	2.50
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.75
$2H_2D_U$:	7.50
D_U^2:	6.25
$2H_2D_S$:	27.00
$(1.39x10^{-4})WD_U$:	0.001564
d_2 :	0.00
d_3 :	0.00
K_{10}:	3.45E-03
K_{15}:	3.45E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	12.13
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**1.01**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 7

French Drain (ICPR Link Name): **EX7S86_7GW9 / EX7S90_7GW9**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1/2 Length of French Drain, *L* (LF) * : **61.25**
Trench Height, H_T (ft): **11.50**
Trench Width, *W* (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **3.450E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **3.94**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.94**
Upstream Structure Rim/Grate EL. (ft-NAVD): **7.23**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**3.94**	2.50	9.00	2.50	0.15000	**9.1875**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	2.50	9.00	6.00	0.15000	**9.1875**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**3.94**	1.00	10.50	1.00	0.07590	**4.6489**	$E = 2Kavg D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.00	10.50	4.50	0.15000	**9.1875**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

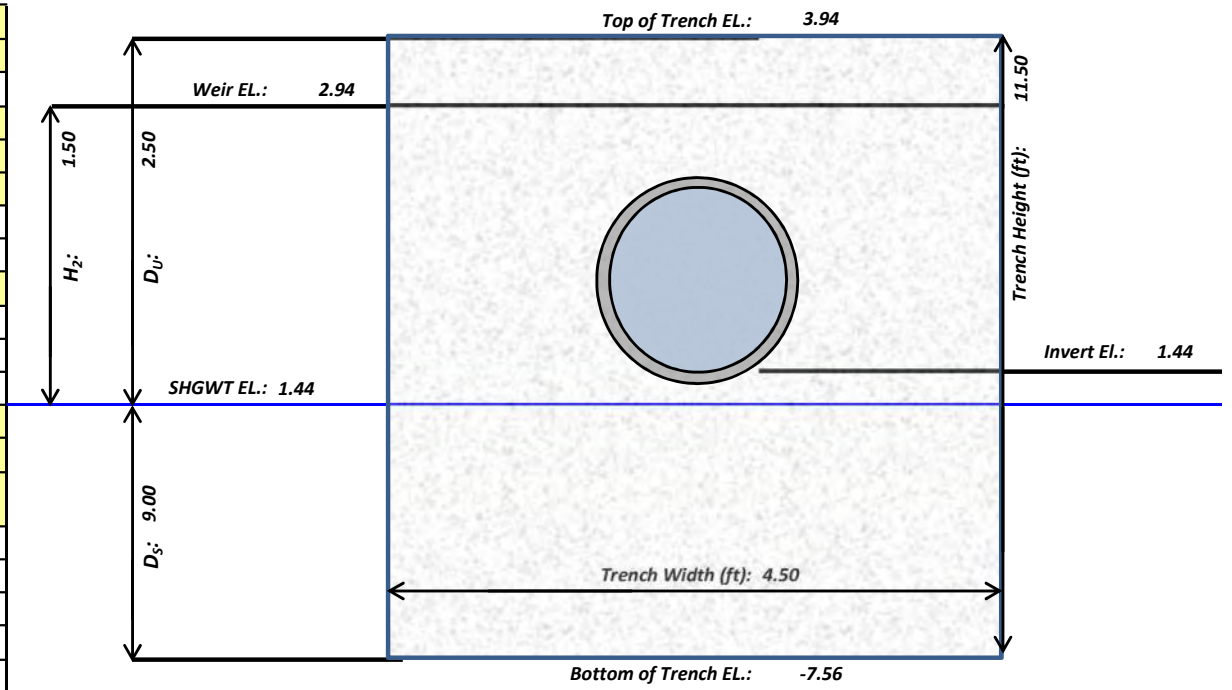
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**3.94**	**9.1875**
1.44	**7.44**	**9.1875**
2.94	**2.94**	**0.0000**
2.94	**3.94**	**4.6489**
2.94	**7.44**	**9.1875**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 7

French Drain (ICPR Link Name):	EX7S90_7GW10 / EX8S72A_7GW10
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	129.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	64.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	3.94
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	11.50
Weir EL. (ft-NAVD):	2.94
Trench Width, W (ft):	4.50
PT-9, PT-10, PT-11 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	3.45E-03
Depth to Water Table, H_2 (ft):	1.50
Non-Saturated Trench Depth, D_U (ft):	2.50
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.75
$2H_2D_U$:	7.50
D_U^2:	6.25
$2H_2D_S$:	27.00
$(1.39x10^{-4})WD_U$:	0.001564
d_2:	0.00
d_3:	0.00
K_{10}:	3.45E-03
K_{15}:	3.45E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	6.39
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.53**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 7

French Drain (ICPR Link Name): **EX7S90_7GW10 / EX8S72A_7GW10**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1/2 Length of French Drain, *L* (LF) * : **32.25**
Trench Height, H_T (ft): **11.50**
Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} ($cfs/ft^2/ft$-head): **3.450E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **3.94**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.94**
Upstream Structure Rim/Grate EL. (ft-NAVD): **7.52**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**
** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**3.94**	2.50	9.00	2.50	0.15000	**4.8375**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	2.50	9.00	6.00	0.15000	**4.8375**	$E = 2Kavg\,[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**3.94**	1.00	10.50	1.00	0.07590	**2.4478**	$E = 2Kavg\,D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.00	10.50	4.50	0.15000	**4.8375**	$E = 2Kavg\,[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

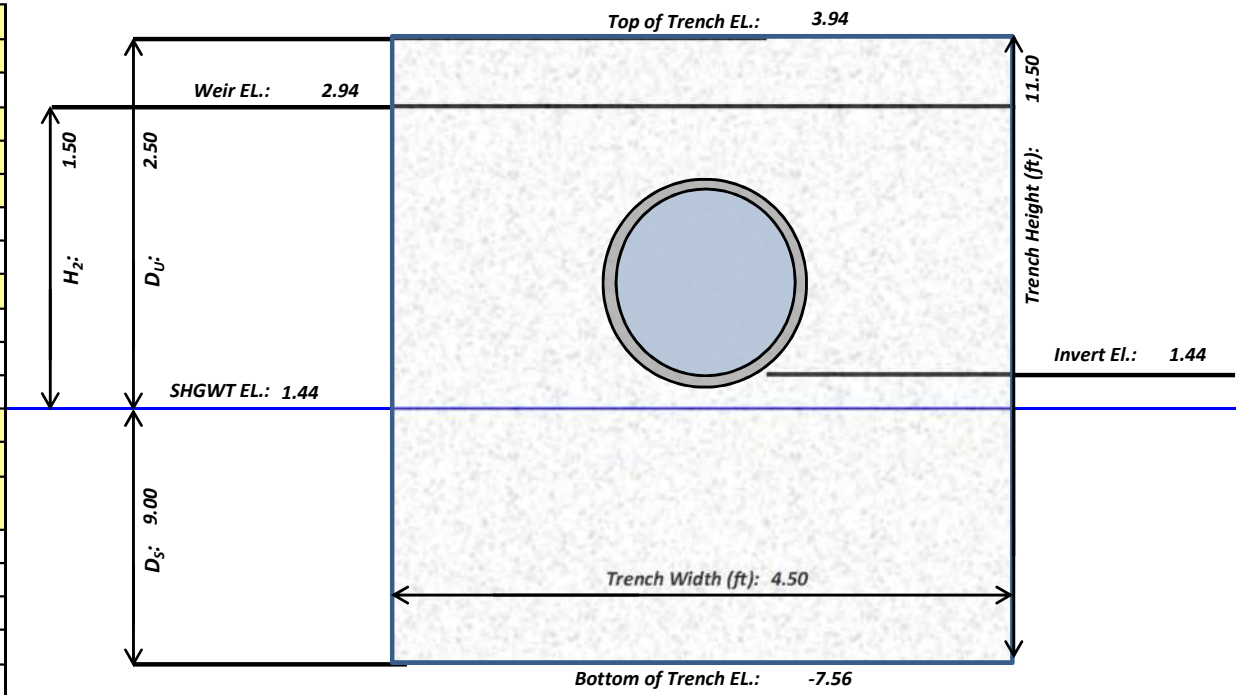
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**3.94**	**4.8375**
1.44	**7.44**	**4.8375**
2.94	**2.94**	**0.0000**
2.94	**3.94**	**2.4478**
2.94	**7.44**	**4.8375**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 7

French Drain (ICPR Link Name):	EX7S92_7GW11 / EX7S94_7GW11
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	210.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	105.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	3.94
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	11.50
Weir EL. (ft-NAVD):	2.94
Trench Width, W (ft):	4.50
PT-9, PT-10, PT-11 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	3.45E-03
Depth to Water Table, H_2 (ft):	1.50
Non-Saturated Trench Depth, D_U (ft):	2.50
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.75
$2H_2D_U$:	7.50
D_U^2:	6.25
$2H_2D_S$:	27.00
$(1.39x10^{-4})WD_U$:	0.001564
d_2:	0.00
d_3:	0.00
K_{10}:	3.45E-03
K_{15}:	3.45E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	10.40
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.87**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 7

French Drain (ICPR Link Name): **EX7S92_7GW11 / EX7S94_7GW11**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1/2 Length of French Drain, *L* (LF) * : **52.50**
Trench Height, H_T (ft): **11.50**
Trench Width, *W* (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **3.450E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **3.94**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.94**
Upstream Structure Rim/Grate EL. (ft-NAVD): **9.70**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**3.94**	2.50	9.00	2.50	0.15000	**7.8750**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	2.50	9.00	6.00	0.15000	**7.8750**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**3.94**	1.00	10.50	1.00	0.07590	**3.9848**	$E = 2Kavg D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.00	10.50	4.50	0.15000	**7.8750**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

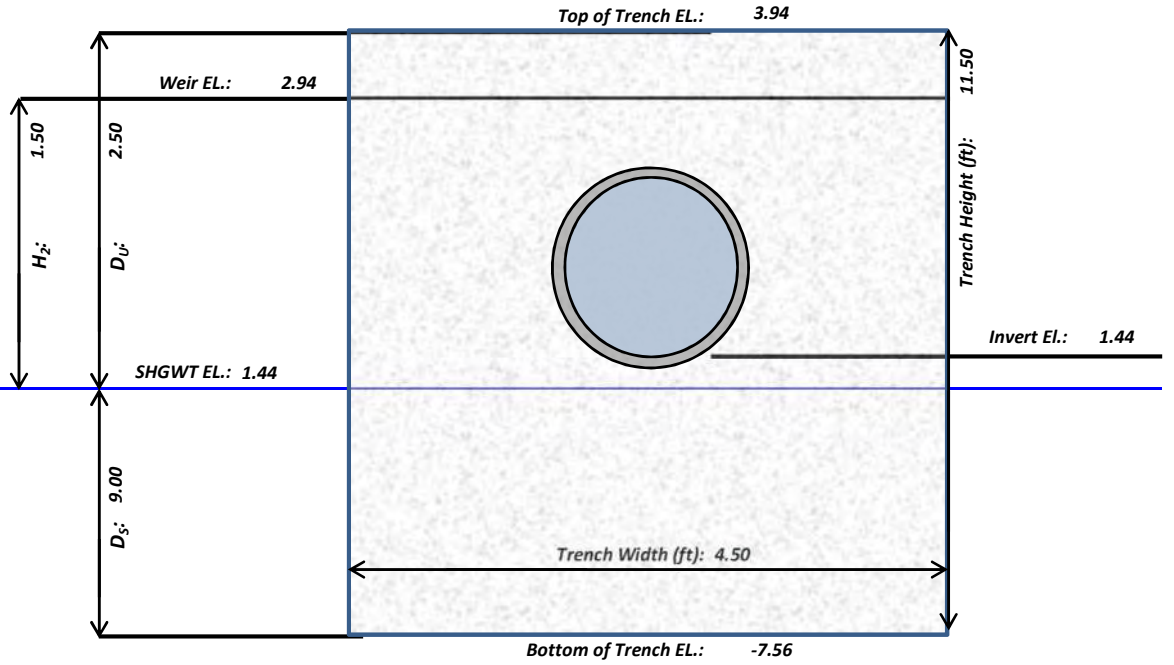
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**3.94**	**7.8750**
1.44	**7.44**	**7.8750**
2.94	**2.94**	**0.0000**
2.94	**3.94**	**3.9848**
2.94	**7.44**	**7.8750**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 7

French Drain (ICPR Link Name):	PR7S202_7GW12/PR7S203_7GW12
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	239.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	119.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	3.94
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	11.50
Weir EL. (ft-NAVD):	2.94
Trench Width, W (ft):	4.50
PT-9, PT-10, PT-11 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	3.45E-03
Depth to Water Table, H_2 (ft):	1.50
Non-Saturated Trench Depth, D_U (ft):	2.50
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.75
$2H_2D_U$:	7.50
D_U^2:	6.25
$2H_2D_S$:	27.00
$(1.39x10^{-4})WD_U$:	0.001564
d_2:	0.00
d_3:	0.00
K_{10}:	3.45E-03
K_{15}:	3.45E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	11.83
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.99**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 7

French Drain (ICPR Link Name): **PR7S202_7GW12/PR7S203_7GW12**
Existing/Proposed: **Proposed**
Pipe Size (in): **24**
1/2 Length of French Drain, *L* (LF) * : **59.75**
Trench Height, H_T (ft): **11.50**
Trench Width, *W* (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **3.450E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **3.94**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.94**
Upstream Structure Rim/Grate EL. (ft-NAVD): **7.50**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**
* Per Miami-Dade Public Works Design Standard W.C. 2.1*

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**3.94**	2.50	9.00	2.50	0.15000	**8.9625**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	2.50	9.00	6.00	0.15000	**8.9625**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**3.94**	1.00	10.50	1.00	0.07590	**4.5350**	$E = 2Kavg\ D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.00	10.50	4.50	0.15000	**8.9625**	$E = 2Kavg\ [D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

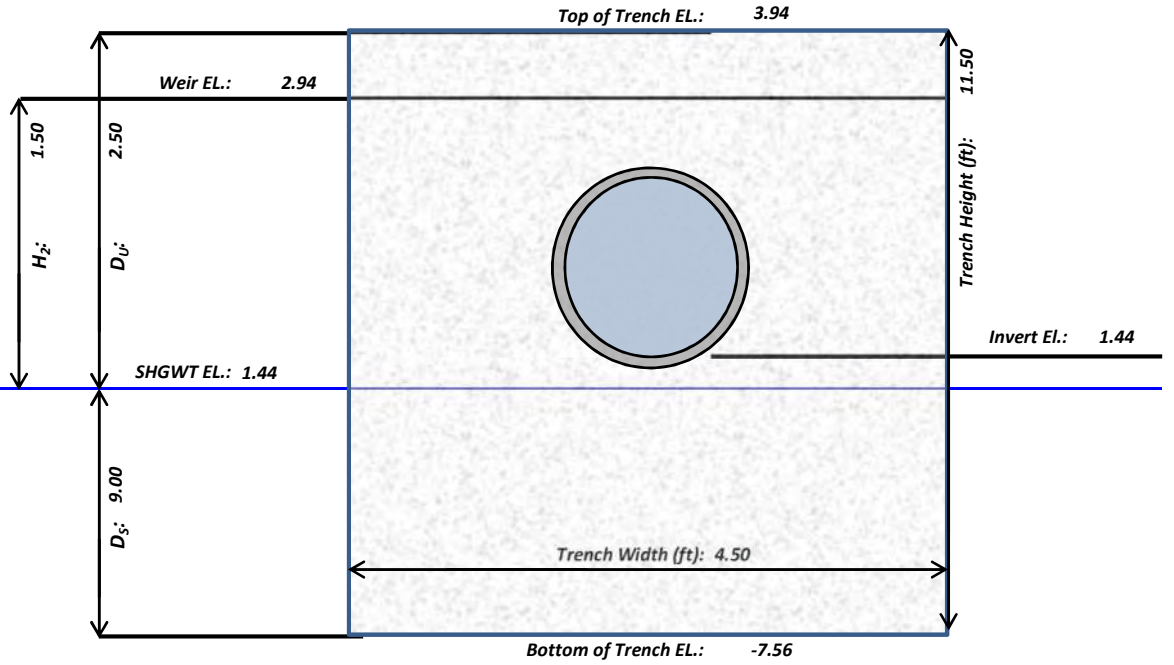
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**3.94**	**8.9625**
1.44	**7.44**	**8.9625**
2.94	**2.94**	**0.0000**
2.94	**3.94**	**4.5350**
2.94	**7.44**	**8.9625**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 7

French Drain (ICPR Link Name):	PR7S203_7GW13/PR7S204_7GW13
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	199.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	99.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	3.94
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	11.50
Weir EL. (ft-NAVD):	2.94
Trench Width, W (ft):	4.50
PT-9, PT-10, PT-11 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	3.45E-03
Depth to Water Table, H_2 (ft):	1.50
Non-Saturated Trench Depth, D_U (ft):	2.50
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.75
$2H_2D_U$:	7.50
D_U^2:	6.25
$2H_2D_S$:	27.00
$(1.39x10^{-4})WD_U$:	0.001564
d_2:	0.00
d_3:	0.00
K_{10}:	3.45E-03
K_{15}:	3.45E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	9.85
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.82**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 7

French Drain (ICPR Link Name): **PR7S203_7GW13/PR7S204_7GW13**
Existing/Proposed: **Proposed**
Pipe Size (in): **24**
1/2 Length of French Drain, *L* (LF) * : **49.75**
Trench Height, H_T (ft): **11.50**
Trench Width, *W* (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **3.450E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **3.94**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.94**
Upstream Structure Rim/Grate EL. (ft-NAVD): **7.50**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**
* Per Miami-Dade Public Works Design Standard W.C. 2.1*

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**3.94**	2.50	9.00	2.50	0.15000	**7.4625**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	2.50	9.00	6.00	0.15000	**7.4625**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**3.94**	1.00	10.50	1.00	0.07590	**3.7760**	$E = 2Kavg\ D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.00	10.50	4.50	0.15000	**7.4625**	$E = 2Kavg\ [D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

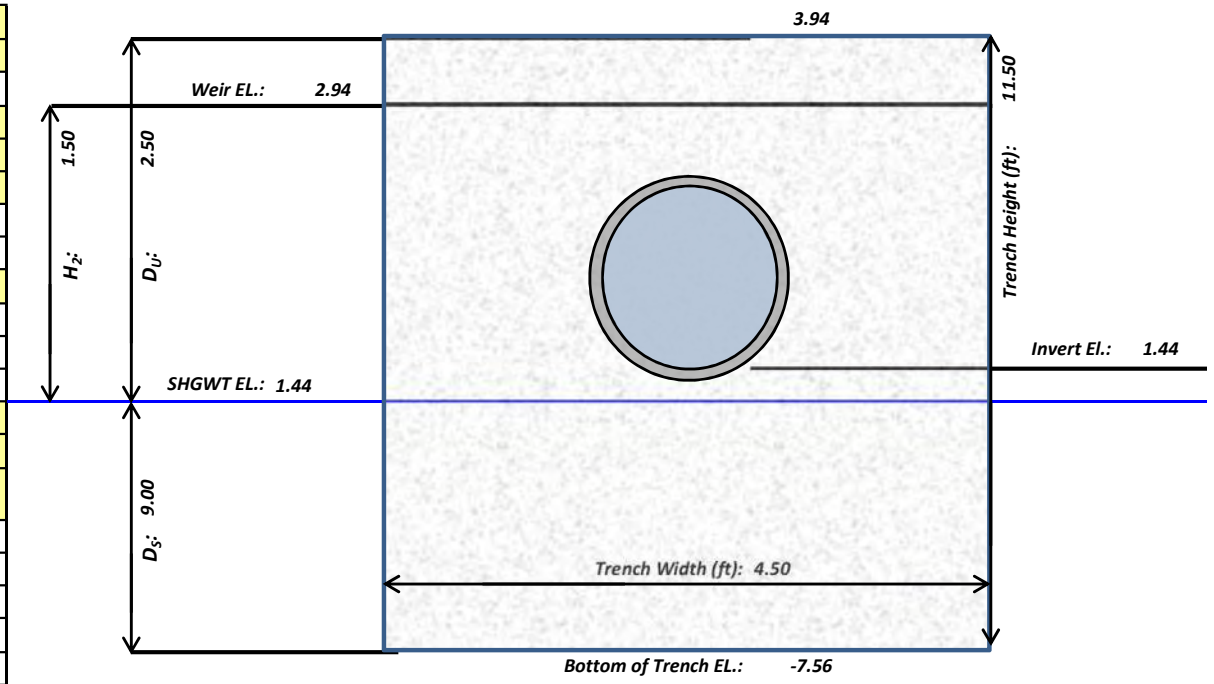
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**3.94**	**7.4625**
1.44	**7.44**	**7.4625**
2.94	**2.94**	**0.0000**
2.94	**3.94**	**3.7760**
2.94	**7.44**	**7.4625**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 7

French Drain (ICPR Link Name):	PR7S206_7GW14/PR7S207_7GW14
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	239.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	119.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	3.94
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	11.50
Weir EL. (ft-NAVD):	2.94
Trench Width, W (ft):	4.50
PT-9, PT-10, PT-11 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	3.45E-03
Depth to Water Table, H_2 (ft):	1.50
Non-Saturated Trench Depth, D_U (ft):	2.50
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.75
$2H_2D_U$:	7.50
D_U^2:	6.25
$2H_2D_S$:	27.00
$(1.39x10^{-4})WD_U$:	0.001564
d_2:	0.00
d_3:	0.00
K_{10}:	3.45E-03
K_{15}:	3.45E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	11.83
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.99**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 7

French Drain (ICPR Link Name): **PR7S206_7GW14/PR7S207_7GW14**
Existing/Proposed: **Proposed**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **59.75**
Trench Height, H_T (ft): **11.50**
Trench Width, *W* (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **3.450E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **3.94**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.94**
Upstream Structure Rim/Grate EL. (ft-NAVD): **5.94**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**
** Per Miami-Dade Public Works Design Standard W.C. 2.1*

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**3.94**	2.50	9.00	2.50	0.15000	**8.9625**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	2.50	9.00	6.00	0.15000	**8.9625**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**3.94**	1.00	10.50	1.00	0.07590	**4.5350**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.00	10.50	4.50	0.15000	**8.9625**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**3.94**	**8.9625**
1.44	**7.44**	**8.9625**
2.94	**2.94**	**0.0000**
2.94	**3.94**	**4.5350**
2.94	**7.44**	**8.9625**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

DRAINAGE SYSTEM SUMMARY TABLES

Drainage System: *7*

Summary of Peak Discharges			
Receiving Waterbody:	**TROPICAL PARK LAKE**		
PRE-DEVELOPMENT			
ICPR Link:	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
EXCS7S69_TPL	0.27	38.31	0.57
EXCS7S76_TPL	0.05	5.67	0.11
PRE-DEVELOPMENT TOTALS:	**0.32**	**43.98**	**0.68**
POST-DEVELOPMENT			
ICPR Link:	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
EXCS7S69_TPL	0.15	29.98	0.50
EXCS7S76_TPL	0.06	5.26	0.13
POST-DEVELOPMENT TOTALS:	**0.21**	**35.24**	**0.63**
Pre-Post 25yr-72hr Peak Discharge Reduction (cfs):	***8.74***		

Summary of Peak Stages									
				PRE-DEVELOPMENT			**POST-DEVELOPMENT**		
Pond/ Swale/ FD #	**Type: [Wet/Dry, Det./Ret., FD]**	**Disposition [Exist./ Prop./ Modified]**	**Warning EL. [Min. Berm/ Min. EOP] (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**
EX7S27/PR7S202	FD	Prop.	7.50 / 8.00	2.98	5.11	3.03	2.98	4.85	3.03
EX7S41/PR7S204	FD	Prop.	9.89 / 8.00	2.98	4.85	3.03	2.99	5.72	3.07
EX7S68/PR7S206	FD	Prop.	5.94	2.98	4.67	3.03	2.97	4.29	3.02

Control Structure Summary Table - Proposed Conditions					
Control Structure:	**Disposition [Exist./ Prop./ Modified]**	**Weir Type/ Geometry**	**Weir EL. (ft-NAVD)**	**Bleeder Type/ Geometry**	**Bleeder Invert EL. (ft-NAVD)**
EXCS7S69	Exist.	Vertical, Rectangular	2.94	--	--
EXCS7S76	Exist.	Vertical, Rectangular	2.94	--	--

System 7A

Pre-Development Land Use Tables
Post-Development Land Use Tables
Water Quality Summary Table
Drainage Calculations
Drainage System Summary Tables

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

PRE-DEVELOPMENT LAND-USE

Drainage System: **7A** **SHGWT EL. (ft-NAVD):** **1.44**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
7AB02	**10**	**2.26**	**2.26**	2.26	0.00	0.00	**0.00**	0.00	0.00	0.00	23.50	22.06	8.18	**98.00**
7AB03_1	**10**	**0.66**	**0.66**	0.66	0.00	0.00	**0.00**	0.00	0.00	0.00	23.50	22.06	8.18	**98.00**
7AB03_2	**10**	**0.53**	**0.53**	0.00	0.00	0.53	**0.00**	0.00	0.00	0.00	10.00	8.56	8.18	**55.01**
7AB08_1	**10**	**0.96**	**0.96**	0.96	0.00	0.00	**0.00**	0.00	0.00	0.00	13.00	11.56	8.18	**98.00**
7AB08_2	**10**	**0.16**	**0.16**	0.00	0.00	0.16	**0.00**	0.00	0.00	0.00	10.00	8.56	8.18	**55.01**
7ABEX04	**10**	**0.10**	**0.10**	0.00	0.00	0.10	**0.00**	0.00	0.00	0.00	10.00	8.56	8.18	**55.01**
7BCSX01	**10**	**1.18**	**0.00**	0.00	0.00	0.00	**1.18**	0.00	0.00	1.18	9.00	7.56	8.18	**55.01**
7BCSX02	**10**	**0.46**	**0.00**	0.00	0.00	0.00	**0.46**	0.00	0.00	0.46	9.00	7.56	8.18	**55.01**
7BCSX03	**10**	**0.83**	**0.00**	0.00	0.00	0.00	**0.83**	0.00	0.00	0.83	8.00	6.56	8.18	**55.01**
LAKE 7AB	**10**	**1.69**	**1.69**	0.00	0.00	1.69	**0.00**	0.00	0.00	0.00	10.00	8.56	8.18	**55.01**
POND 7AB	**10**	**2.67**	**2.67**	1.32	0.00	1.35	**0.00**	0.00	0.00	0.00	10.00	8.56	8.18	**70.74**
SYSTEM 7A TOTALS		**11.50**	**9.03**	**5.20**	**0.00**	**3.83**	**2.47**	**0.00**	**0.00**	**2.47**	--	--	--	**--**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS
POST-DEVELOPMENT LAND-USE

Drainage System: 7A SHGWT EL. (ft-NAVD): 1.44

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
7AB02	**10**	**2.58**	**2.58**	2.58	0.00	0.00	**0.00**	0.00	0.00	0.00	23.50	22.06	8.18	**98.00**
7AB03_1	**10**	**0.86**	**0.86**	0.86	0.00	0.00	**0.00**	0.00	0.00	0.00	23.50	22.06	8.18	**98.00**
7AB03_2	**10**	**0.17**	**0.17**	0.00	0.00	0.17	**0.00**	0.00	0.00	0.00	10.00	8.56	8.18	**55.01**
7AB08_1	**10**	**1.06**	**1.06**	1.06	0.00	0.00	**0.00**	0.00	0.00	0.00	13.00	11.56	8.18	**98.00**
7AB08_2	**10**	**0.13**	**0.13**	0.00	0.00	0.13	**0.00**	0.00	0.00	0.00	10.00	8.56	8.18	**55.01**
7ABEX04	**10**	**0.10**	**0.10**	0.00	0.00	0.10	**0.00**	0.00	0.00	0.00	10.00	8.56	8.18	**55.01**
7BCSX01	**10**	**1.18**	**0.00**	0.00	0.00	0.00	**1.18**	0.00	0.00	1.18	9.00	7.56	8.18	**55.01**
7BCSX02	**10**	**0.46**	**0.00**	0.00	0.00	0.00	**0.46**	0.00	0.00	0.46	9.00	7.56	8.18	**55.01**
7BCSX03	**10**	**0.83**	**0.00**	0.00	0.00	0.00	**0.83**	0.00	0.00	0.83	8.00	6.56	8.18	**55.01**
LAKE 7AB	**10**	**1.51**	**1.51**	0.00	0.00	1.51	**0.00**	0.00	0.00	0.00	10.00	8.56	8.18	**55.01**
POND 7AB	**10**	**2.66**	**2.66**	1.34	0.00	1.32	**0.00**	0.00	0.00	0.00	10.00	8.56	8.18	**71.13**
SYSTEM 7A TOTALS		**11.54**	**9.07**	**5.84**	**0.00**	**3.23**	**2.47**	**0.00**	**0.00**	**2.47**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY SUMMARY

Drainage System: ***7A***

SYSTEM	SHGWT EL. (ft-NAVD)	TOTAL ONSITE AREA (Ac.) *[POST-DEV.]*	ONSITE IMPERVIOUS AREA (Ac.) *[POST-DEV.]*	ONSITE PERVIOUS AREA (Ac.) *[POST-DEV.]*	SFWMD 1" OVER TOTAL ONSITE AREA (Ac-ft)	SFWMD 2.5" OVER IMPERVIOUS AREA (Ac-ft)	[1] SFWMD WATER QUALITY TREATMENT REQUIRED FOR RETENTION (Ac-ft)	[2] DRER WATER QUALITY TREATMENT REQUIRED (Ac-ft)	[3] DRY- / WET-RETENTION TREATMENT VOLUME PROVIDED (Ac-ft)	FRENCH DRAIN TREATMENT VOLUME PROVIDED (Ac-ft)	TOTAL TREATMENT VOLUME PROVIDED (Ac-ft)	SFWMD SURPLUS TREATMENT VOLUME PROVIDED (Ac-ft)
7A	1.44	9.07	5.84	3.23	0.76	1.22	**1.22**	**1.11**	0.00	4.02	**4.02**	**2.81**
SYSTEM TOTAL	1.44	9.07	5.84	3.23	0.76	1.22	1.22	1.11	0.00	4.02	**4.02**	**2.81**

[1] 2.5" over Additional Impervious Area.

[2] See next page for water quality calculations by Miami-Dade Department of Regulatory and Economic Resources (DRER).

[3] Multiplied by 2 to account for 50% retention volume credit.

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY CALCULATIONS BY DRER

Drainage System: **7A**

AREA:

Onsite Impervious	**5.84**	Ac.	64%
Onsite Pervious	**3.23**	Ac.	36%
Total Area	**9.07**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.69 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV}) / A_T =$ **0.69**

$t_{1"}$ = 13.99 min.

TOTAL TIME OF CONCENTRATION (T_T)

$T_T = t_{1"} + Tc =$ 23.99 min.

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.41 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ CiA\ T_T =$ **48497.77** **cf** **1.11** **ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

VARIABLE GROUNDWATER CALCULATIONS

Drainage System: **7A**

Stage = DHW + [PRG x (RF - DHW)]
See ADICPR Technical Design Guide 2-25

Elevation Conversion:	-1.56	ft.	(NGVD-NAVD)

DHW =	3.00	ft. - NGVD	Design High Water / October Average Groundwater Elevation
	1.44	ft. - NAVD	(MD PWD - W.C. 2.2)
RF =	4.50	ft. - NGVD	Return Frequency Groundwater Elevation / Average Yearly Highest Groundwater Level (AYH) (MD
	2.94	ft. - NAVD	PWD - W.C. 2.1)
PRG=	Variable		(Percentage Rise in Groundwater)

24HR DESIGN STORM DURATION		
TIME	PRG	STAGE
(hrs)	%	(ft-NAVD)
0.00	0.00	1.44
1.00	0.01	1.46
2.00	0.03	1.49
3.00	0.06	1.53
4.00	0.09	1.58
5.00	0.12	1.62
6.00	0.16	1.68
7.00	0.20	1.74
8.00	0.24	1.80
9.00	0.30	1.89
10.00	0.36	1.98
11.00	0.44	2.10
12.00	0.54	2.25
13.00	0.61	2.36
14.00	0.67	2.45
15.00	0.73	2.54
16.00	0.78	2.61
17.00	0.82	2.67
18.00	0.86	2.73
19.00	0.90	2.79
20.00	0.93	2.84
21.00	0.96	2.88
22.00	0.98	2.91
23.00	0.99	2.93
24.00	1.00	2.94
36.00	0.00	1.44

72HR DESIGN STORM DURATION		
TIME	PRG	STAGE
(hrs)	%	(ft-NAVD)
0.00	0.00	1.44
24.00	0.11	1.60
36.00	0.19	1.72
48.00	0.26	1.84
49.00	0.27	1.85
50.00	0.28	1.86
51.00	0.29	1.87
52.00	0.30	1.89
53.00	0.31	1.90
54.00	0.33	1.93
55.00	0.34	1.96
56.00	0.37	1.99
57.00	0.39	2.03
57.50	0.40	2.05
58.00	0.42	2.07
58.50	0.44	2.10
59.00	0.46	2.13
59.50	0.50	2.19
60.00	0.75	2.56
60.50	0.80	2.64
61.00	0.83	2.68
61.50	0.85	2.71
62.00	0.87	2.74
62.50	0.88	2.76
63.00	0.89	2.77
64.00	0.91	2.81
65.00	0.92	2.83
66.00	0.94	2.85
68.00	0.96	2.89
70.00	0.98	2.91
72.00	1.00	2.94
108.00	0.00	1.44

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

VARIABLE TAILWATER *

Drainage System: **7A**

24HR DESIGN STORM DURATION		72HR DESIGN STORM DURATION	
TIME (hrs)	**STAGE (ft-NGVD)**	**TIME (hrs)**	**STAGE (ft-NGVD)**
0.00	1.44	0.00	1.44
12.50	2.64	60.50	3.60
24.00	2.64	72.00	3.60
48.00	1.44	96.00	1.44
300.00	1.44	300.00	1.44

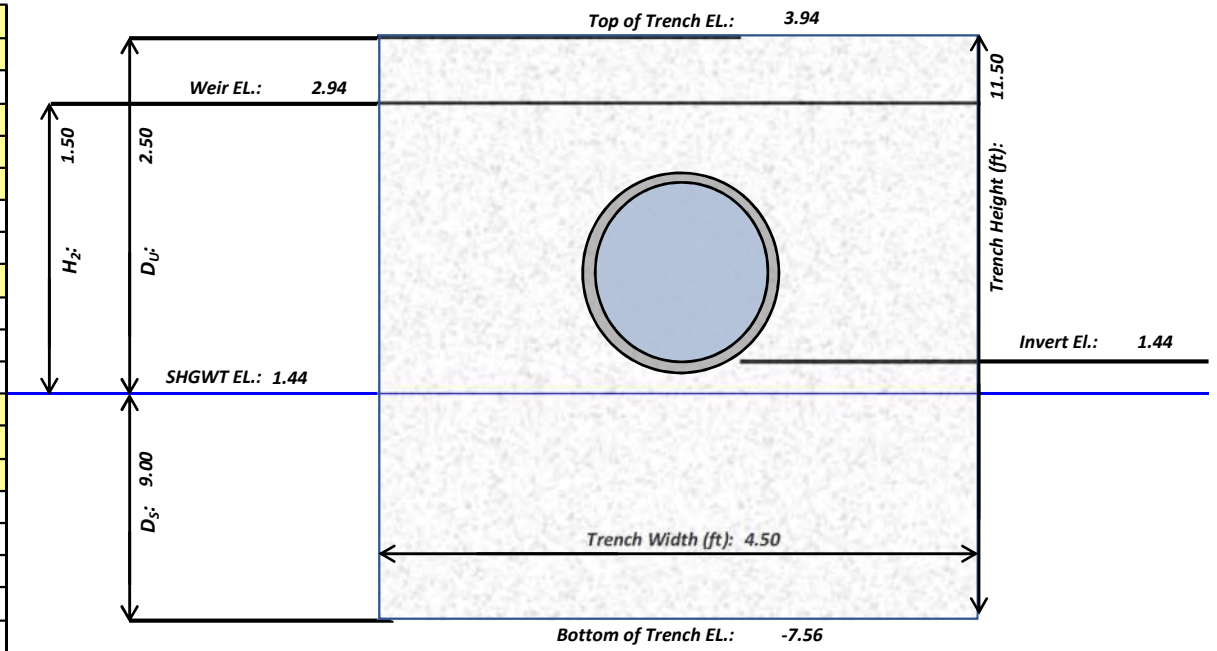
** Per SR-826 Palmetto Expressway (Section 2) from South of Sunset Drive to North of Bird Road - Drainage Report System 5*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 7A

French Drain (ICPR Link Name):	EX7AS01_7GW1 / EX7AS11_7GW1
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	710.5
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	355.25
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	3.94
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	11.50
Weir EL. (ft-NAVD):	2.94
Trench Width, W (ft):	4.50
PT-9 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	4.12E-03
Depth to Water Table, H_2 (ft):	1.50
Non-Saturated Trench Depth, D_U (ft):	2.50
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.75
$2H_2D_U$:	7.50
D_U^2:	6.25
$2H_2D_S$:	27.00
$(1.39x10^{-4})WD_U$:	0.001564
d_2:	0.00
d_3:	0.00
K_{10}:	4.12E-03
K_{15}:	4.12E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	41.90
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**3.49**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 7A

French Drain (ICPR Link Name): **EX7AS01_7GW1 / EX7AS11_7GW1**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **177.63**
Trench Height, H_T (ft): **11.50**
Trench Width, *W* (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **4.120E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **3.94**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.94**
Upstream Structure Rim/Grate EL. (ft-NAVD): **4.94**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**3.94**	2.50	9.00	2.50	0.15000	**26.6438**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	2.50	9.00	6.00	0.15000	**26.6438**	$E = 2Kavg\,[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**3.94**	1.00	10.50	1.00	0.09064	**16.0999**	$E = 2Kavg\,D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.00	10.50	4.50	0.15000	**26.6438**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

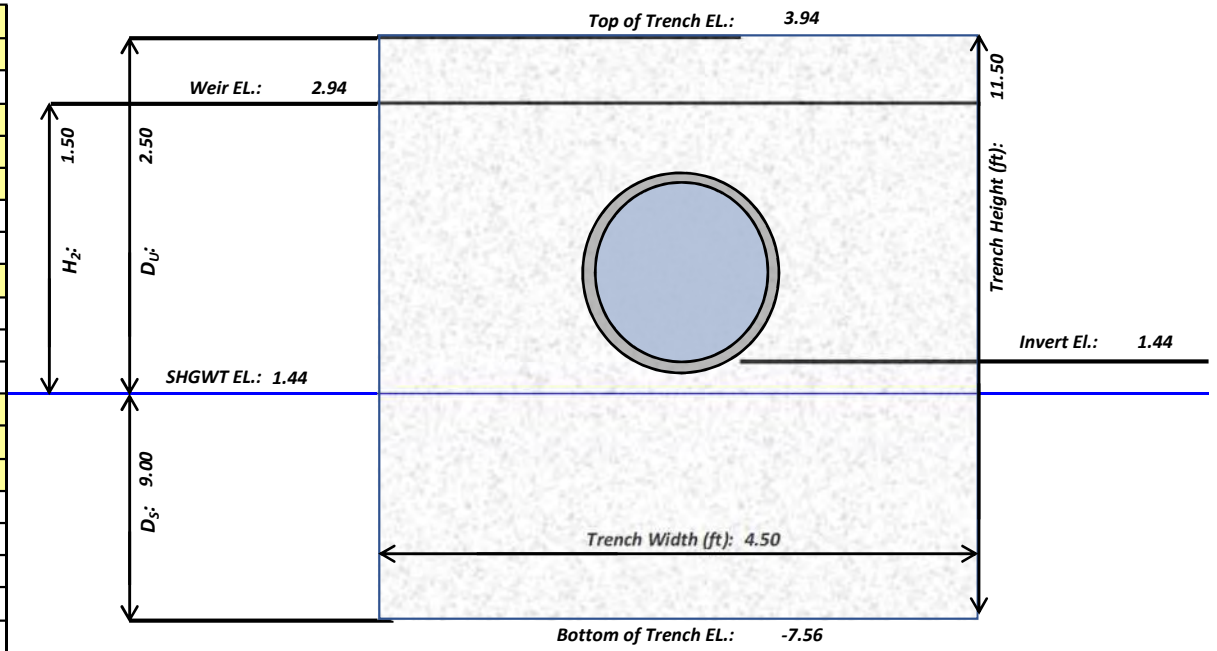
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**3.94**	**26.6438**
1.44	**7.44**	**26.6438**
2.94	**2.94**	**0.0000**
2.94	**3.94**	**16.0999**
2.94	**7.44**	**26.6438**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 7A

French Drain (ICPR Link Name):	EX7AS01_7GW15
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	108.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	54.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	3.94
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	11.50
Weir EL. (ft-NAVD):	2.94
Trench Width, W (ft):	4.50
PT-9 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	4.12E-03
Depth to Water Table, H_2 (ft):	1.50
Non-Saturated Trench Depth, D_U (ft):	2.50
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.75
$2H_2D_U$:	7.50
D_U^2:	6.25
$2H_2D_S$:	27.00
$(1.39x10^{-4})WD_U$:	0.001564
d_2:	0.00
d_3:	0.00
K_{10}:	4.12E-03
K_{15}:	4.12E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	6.37
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.53**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 7A

French Drain (ICPR Link Name): **EX7AS01_7GW15**
Existing/Proposed: **Proposed**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **27.00**
Trench Height, H_T (ft): **11.50**
Trench Width, *W* (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **4.120E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **3.94**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.94**
Upstream Structure Rim/Grate EL. (ft-NAVD): **4.94**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**3.94**	2.50	9.00	2.50	0.15000	**4.0500**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	2.50	9.00	6.00	0.15000	**4.0500**	$E = 2Kavg\,[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**3.94**	1.00	10.50	1.00	0.09064	**2.4473**	$E = 2Kavg\,D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.00	10.50	4.50	0.15000	**4.0500**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**3.94**	**4.0500**
1.44	**7.44**	**4.0500**
2.94	**2.94**	**0.0000**
2.94	**3.94**	**2.4473**
2.94	**7.44**	**4.0500**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

DRAINAGE SYSTEM SUMMARY TABLES

Drainage System: ***7A***

Summary of Peak Discharges			
Receiving Waterbody:	**PATRICIA LAKE**		
PRE-DEVELOPMENT			
ICPR Link:	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
EXCS7AS1B_PL	0.09	15.48	0.40
PRE-DEVELOPMENT TOTALS:	**0.09**	**15.48**	**0.40**
POST-DEVELOPMENT			
ICPR Link:	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
EXCS7AS1B_PL	0.05	11.69	0.21
POST-DEVELOPMENT TOTALS:	**0.05**	**11.69**	**0.21**
Pre-Post 25yr-72hr Peak Discharge Reduction (cfs):	***3.79***		

Summary of Peak Discharges			
Receiving Waterbody:	**TROPICAL PARK LAKE**		
PRE-DEVELOPMENT			
ICPR Link:	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
EXCS7AS12_TPL	0.04	7.51	0.14
PRE-DEVELOPMENT TOTALS:	**0.04**	**7.51**	**0.14**
POST-DEVELOPMENT			
ICPR Link:	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
EXCS7AS12_TPL	0.03	5.38	0.09
POST-DEVELOPMENT TOTALS:	**0.03**	**5.38**	**0.09**
Pre-Post 25yr-72hr Peak Discharge Reduction (cfs):	***2.13***		

Summary of Peak Stages									
				PRE-DEVELOPMENT			**POST-DEVELOPMENT**		
Pond/ Swale/ FD #	**Type: [Wet/Dry, Det./Ret., FD]**	**Disposition [Exist./ Prop./ Modified]**	**Warning EL. [Min. Berm/ Min. EOP] (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**
EX7AS01	FD	Modified	4.94	2.97	4.09	3.01	2.96	3.91	2.99

Control Structure Summary Table - Proposed Conditions					
Control Structure:	**Disposition [Exist./ Prop./ Modified]**	**Weir Type/ Geometry**	**Weir EL. (ft-NAVD)**	**Bleeder Type/ Geometry**	**Bleeder Invert EL. (ft-NAVD)**
EXCS7AS1B	Exist.	Vertical, Rectangular	2.94	--	--
EXCS7AS12	Exist.	Vertical, Rectangular	2.94	--	--

System 8

Pre-Development Land Use Tables
Post-Development Land Use Tables
Water Quality Summary Table
Drainage Calculations
Drainage System Summary Tables

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

PRE-DEVELOPMENT LAND-USE

Drainage System: 8 SHGWT EL. (ft-NAVD): 1.44

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
8B01	10	4.59	4.59	4.00	0.00	0.59	0.00	0.00	0.00	0.00	11.00	9.56	8.18	90.49
8B5A	10	0.38	0.38	0.36	0.00	0.02	0.00	0.00	0.00	0.00	10.00	8.56	8.18	95.88
8B06	10	0.19	0.19	0.16	0.00	0.03	0.00	0.00	0.00	0.00	10.00	8.56	8.18	88.57
8B12	10	0.89	0.89	0.76	0.00	0.13	0.00	0.00	0.00	0.00	9.00	7.56	8.18	89.33
8B13	10	0.66	0.66	0.66	0.00	0.00	0.00	0.00	0.00	0.00	9.00	7.56	8.18	98.00
8B15A	10	1.29	1.29	1.13	0.00	0.16	0.00	0.00	0.00	0.00	8.00	6.56	8.18	90.79
8B16	10	1.05	1.05	1.05	0.00	0.00	0.00	0.00	0.00	0.00	9.00	7.56	8.18	98.00
8B17	10	0.27	0.27	0.24	0.00	0.03	0.00	0.00	0.00	0.00	7.00	5.56	8.18	91.67
8B21	10	0.16	0.16	0.13	0.00	0.03	0.00	0.00	0.00	0.00	8.50	7.06	8.18	86.71
8B25	10	0.61	0.61	0.61	0.00	0.00	0.00	0.00	0.00	0.00	15.00	13.56	8.18	98.00
8B26	10	0.52	0.52	0.52	0.00	0.00	0.00	0.00	0.00	0.00	11.00	9.56	8.18	98.00
8B70	10	0.92	0.92	0.92	0.00	0.00	0.00	0.00	0.00	0.00	8.00	6.56	8.18	98.00
8B74_1	10	0.31	0.31	0.28	0.00	0.03	0.00	0.00	0.00	0.00	9.00	7.56	8.18	92.67
8B74_2	10	0.55	0.55	0.49	0.00	0.06	0.00	0.00	0.00	0.00	8.50	7.06	8.18	91.81
8B81	10	1.73	1.73	1.68	0.00	0.05	0.00	0.00	0.00	0.00	15.00	13.56	8.18	97.70
8B83	10	0.45	0.45	0.30	0.00	0.15	0.00	0.00	0.00	0.00	10.00	8.56	8.18	78.58
8B98	10	0.14	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00	8.00	6.56	8.18	98.00
POND 8E1_1	10	4.06	4.06	1.26	0.00	2.80	0.00	0.00	0.00	0.00	6.00	4.56	8.18	63.94
POND 8E1_2	10	1.67	1.67	1.67	0.00	0.00	0.00	0.00	0.00	0.00	33.00	31.56	8.18	98.00
POND 8E2_1	10	1.83	1.83	0.69	0.00	1.14	0.00	0.00	0.00	0.00	8.00	6.56	8.18	66.25
POND 8E2_2	10	0.95	0.95	0.95	0.00	0.00	0.00	0.00	0.00	0.00	25.00	23.56	8.18	98.00
POND 8E2_3	10	0.96	0.96	0.96	0.00	0.00	0.00	0.00	0.00	0.00	29.00	27.56	8.18	98.00
SWALE 8E1	10	1.38	1.38	0.74	0.00	0.64	0.00	0.00	0.00	0.00	6.00	4.56	8.18	72.50
SWALE 8W1	10	2.29	2.29	1.39	0.00	0.90	0.00	0.00	0.00	0.00	6.00	4.56	8.18	75.68
8B01-OFFSITE	10	0.84	0.00	0.00	0.00	0.00	0.84	0.79	0.00	0.05	8.00	6.56	8.18	95.36
8B02-OFFSITE	10	0.58	0.00	0.00	0.00	0.00	0.58	0.14	0.00	0.44	8.00	6.56	8.18	61.71
8B03-OFFSITE	10	0.30	0.00	0.00	0.00	0.00	0.30	0.07	0.00	0.23	8.00	6.56	8.18	61.46
8B04-OFFSITE	10	0.18	0.00	0.00		0.00	0.18	0.04	0.00	0.14	8.00	6.56	8.18	61.12
8B05-OFFSITE	10	0.71	0.00	0.00	0.00	0.00	0.71	0.23	0.00	0.48	8.00	6.56	8.18	64.40
8B06-OFFSITE	10	1.00	0.00	0.00	0.00	0.00	1.00	0.70	0.00	0.30	8.00	6.56	8.18	80.30
8B07-OFFSITE	10	0.37	0.00	0.00	0.00	0.00	0.37	0.33	0.00	0.04	8.00	6.56	8.18	91.88
8B40E1	10	1.89	1.89	1.89	0.00	0.00	0.00	0.00	0.00	0.00	8.50	7.06	8.18	98.00
8B40W1	10	0.71	0.71	0.71	0.00	0.00	0.00	0.00	0.00	0.00	8.00	6.56	8.18	98.00
8B40W2	10	0.65	0.65	0.65	0.00	0.00	0.00	0.00	0.00	0.00	8.00	6.56	8.18	98.00
8B40W3	10	1.21	1.21	1.21	0.00	0.00	0.00	0.00	0.00	0.00	8.00	6.56	8.18	98.00
8B40W5	10	0.12	0.12	0.12	0.00	0.00	0.00	0.00	0.00	0.00	8.00	6.56	8.18	98.00
8B40W6	10	0.85	0.85	0.85	0.00	0.00	0.00	0.00	0.00	0.00	8.00	6.56	8.18	98.00
8B40W7	10	0.43	0.43	0.43	0.00	0.00	0.00	0.00	0.00	0.00	8.00	6.56	8.18	98.00
8B40W8	10	0.11	0.11	0.11	0.00	0.00	0.00	0.00	0.00	0.00	8.00	6.56	8.18	98.00
8B40W9	10	0.23	0.23	0.23	0.00	0.00	0.00	0.00	0.00	0.00	8.00	6.56	8.18	98.00
8B40W1-OFFSITE	10	0.39	0.00	0.00	0.00	0.00	0.39	0.15	0.00	0.24	8.00	6.56	8.18	66.52
8B40W6-OFFSITE	10	0.05	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.05	8.00	6.56	8.18	55.01
8B40W9-OFFSITE	10	0.41	0.00	0.00	0.00	0.00	0.41	0.16	0.00	0.25	8.00	6.56	8.18	66.72
BASIN TOTALS		38.88	34.05	27.29	0.00	6.76	4.83	2.61	0.00	2.22	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

Drainage System: 8 SHGWT EL. (ft-NAVD): 1.44

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
8B01	10	3.54	3.54	2.91	0.00	0.63	0.00	0.00	0.00	0.00	11.00	9.56	8.18	87.30
8B5A	10	0.33	0.33	0.33	0.00	0.00	0.00	0.00	0.00	0.00	10.00	8.56	8.18	98.00
8B06	10	0.20	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00	10.00	8.56	8.18	98.00
8B12	10	0.52	0.52	0.52	0.00	0.00	0.00	0.00	0.00	0.00	9.00	7.56	8.18	98.00
8B13	10	0.47	0.47	0.47	0.00	0.00	0.00	0.00	0.00	0.00	9.00	7.56	8.18	98.00
8B15A	10	1.56	1.56	1.40	0.00	0.16	0.00	0.00	0.00	0.00	8.00	6.56	8.18	92.26
8B17	10	0.18	0.18	0.18	0.00	0.00	0.00	0.00	0.00	0.00	7.00	5.56	8.18	98.00
8B21	10	0.16	0.16	0.16	0.00	0.00	0.00	0.00	0.00	0.00	8.50	7.06	8.18	98.00
8B25	10	0.44	0.44	0.44	0.00	0.00	0.00	0.00	0.00	0.00	15.00	13.56	8.18	98.00
8B26	10	0.73	0.73	0.73	0.00	0.00	0.00	0.00	0.00	0.00	11.00	9.56	8.18	98.00
8B74_1	10	0.42	0.42	0.39	0.00	0.03	0.00	0.00	0.00	0.00	9.00	7.56	8.18	94.48
8B74_2	10	0.63	0.63	0.57	0.00	0.06	0.00	0.00	0.00	0.00	8.50	7.06	8.18	92.78
8B81	10	0.63	0.63	0.42	0.00	0.21	0.00	0.00	0.00	0.00	15.00	13.56	8.18	78.58
8B83	10	0.45	0.45	0.27	0.00	0.18	0.00	0.00	0.00	0.00	10.00	8.56	8.18	75.35
8B201	10	0.81	0.81	0.81	0.00	0.00	0.00	0.00	0.00	0.00	10.00	8.56	8.18	98.00
8B202	10	0.39	0.39	0.39	0.00	0.00	0.00	0.00	0.00	0.00	8.50	7.06	8.18	98.00
8B203	10	0.75	0.75	0.75	0.00	0.00	0.00	0.00	0.00	0.00	9.00	7.56	8.18	98.00
8B204	10	1.18	1.18	1.18	0.00	0.00	0.00	0.00	0.00	0.00	15.00	13.56	8.18	98.00
8B205	10	0.49	0.49	0.49	0.00	0.00	0.00	0.00	0.00	0.00	25.00	23.56	8.18	98.00
8B206	10	0.39	0.39	0.39	0.00	0.00	0.00	0.00	0.00	0.00	25.00	23.56	8.18	98.00
8B207	10	0.50	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	30.00	28.56	8.18	98.00
8B208	10	0.41	0.41	0.41	0.00	0.00	0.00	0.00	0.00	0.00	30.00	28.56	8.18	98.00
8B209	10	0.67	0.67	0.67	0.00	0.00	0.00	0.00	0.00	0.00	33.00	31.56	8.18	98.00
8B210	10	0.56	0.56	0.56	0.00	0.00	0.00	0.00	0.00	0.00	31.00	29.56	8.18	98.00
8B211	10	0.58	0.58	0.58	0.00	0.00	0.00	0.00	0.00	0.00	25.00	23.56	8.18	98.00
8B212	10	0.45	0.45	0.45	0.00	0.00	0.00	0.00	0.00	0.00	33.00	31.56	8.18	98.00
8B213	10	0.60	0.60	0.60	0.00	0.00	0.00	0.00	0.00	0.00	5.00	3.56	4.95	98.00
POND 8E1	10	5.17	5.17	1.58	0.00	3.59	0.00	0.00	0.00	0.00	6.00	4.56	8.18	63.78
POND 8E2	10	1.68	1.68	0.68	0.00	1.00	0.00	0.00	0.00	0.00	6.00	4.56	8.18	67.26
SWALE 8W1	10	2.06	2.06	1.27	0.00	0.79	0.00	0.00	0.00	0.00	6.00	4.56	8.18	76.13
8B01-OFFSITE	10	0.84	0.00	0.00	0.00	0.00	0.84	0.79	0.00	0.05	8.00	6.56	8.18	95.36
8B02-OFFSITE	10	0.58	0.00	0.00	0.00	0.00	0.58	0.14	0.00	0.44	8.00	6.56	8.18	61.71
8B03-OFFSITE	10	0.30	0.00	0.00	0.00	0.00	0.30	0.07	0.00	0.23	8.00	6.56	8.18	61.46
8B04-OFFSITE	10	0.18	0.00	0.00	0.00	0.00	0.18	0.04	0.00	0.14	8.00	6.56	8.18	61.12
8B05-OFFSITE	10	0.71	0.00	0.00	0.00	0.00	0.71	0.23	0.00	0.48	8.00	6.56	8.18	64.40
8B06-OFFSITE	10	1.00	0.00	0.00	0.00	0.00	1.00	0.70	0.00	0.30	8.00	6.56	8.18	80.30
8B07-OFFSITE	10	0.37	0.00	0.00	0.00	0.00	0.37	0.33	0.00	0.04	8.00	6.56	8.18	91.88
8B40E1	10	2.04	2.04	2.04	0.00	0.00	0.00	0.00	0.00	0.00	8.50	7.06	8.18	98.00
8B40W1	10	0.71	0.71	0.71	0.00	0.00	0.00	0.00	0.00	0.00	8.00	6.56	8.18	98.00
8B40W2	10	0.65	0.65	0.65	0.00	0.00	0.00	0.00	0.00	0.00	8.00	6.56	8.18	98.00
8B40W3	10	1.21	1.21	1.21	0.00	0.00	0.00	0.00	0.00	0.00	8.00	6.56	8.18	98.00
8B40W5	10	0.12	0.12	0.12	0.00	0.00	0.00	0.00	0.00	0.00	8.00	6.56	8.18	98.00
8B40W6	10	1.17	1.17	1.17	0.00	0.00	0.00	0.00	0.00	0.00	8.00	6.56	8.18	98.00
8B40W7	10	0.43	0.43	0.43	0.00	0.00	0.00	0.00	0.00	0.00	8.00	6.56	8.18	98.00
8B40W8	10	0.11	0.11	0.11	0.00	0.00	0.00	0.00	0.00	0.00	8.00	6.56	8.18	98.00
8B40W9	10	0.23	0.23	0.23	0.00	0.00	0.00	0.00	0.00	0.00	8.00	6.56	8.18	98.00
8B40W1-OFFSITE	10	0.39	0.00	0.00	0.00	0.00	0.39	0.15	0.00	0.24	8.00	6.56	8.18	66.52
8B40W9-OFFSITE	10	0.41	0.00	0.00	0.00	0.00	0.41	0.16	0.00	0.25	8.00	6.56	8.18	66.72
BASIN TOTALS		38.40	33.62	26.97	0.00	6.65	4.78	2.61	0.00	2.17	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY SUMMARY

Drainage System: ***8***

SYSTEM	SHGWT EL. (ft-NAVD)	TOTAL ONSITE AREA (Ac.) *[POST-DEV.]*	ONSITE IMPERVIOUS AREA (Ac.) *[POST-DEV.]*	ONSITE PERVIOUS AREA (Ac.) *[POST-DEV.]*	SFWMD 1" OVER TOTAL ONSITE AREA (Ac-ft)	SFWMD 2.5" OVER IMPERVIOUS AREA (Ac-ft)	[1] SFWMD WATER QUALITY TREATMENT REQUIRED FOR RETENTION (Ac-ft)	[2]DRER WATER QUALITY TREATMENT REQUIRED (Ac-ft)	[3]DRY- / WET-RETENTION TREATMENT VOLUME PROVIDED (Ac-ft)	FRENCH DRAIN TREATMENT VOLUME PROVIDED (Ac-ft)	TOTAL TREATMENT VOLUME PROVIDED (Ac-ft)	SFWMD SURPLUS TREATMENT VOLUME PROVIDED (Ac-ft)
8	1.44	33.62	26.97	6.65	2.80	5.62	**5.62**	**4.41**	2.94	14.98	**17.92**	**12.30**
SYSTEM TOTAL	1.44	33.62	26.97	6.65	2.80	5.62	**5.62**	**4.41**	2.94	14.98	**17.92**	**12.30**

[1]2.5" over Additional Impervious Area.

[2]See next page for water quality calculations by Miami-Dade Department of Regulatory and Economic Resources (DRER).

[3]Multiplied by 2 to account for 50% retention volume credit.

POND 8E1			POND 8E2		
TYPE:	Dry Retention		**TYPE:**	Dry Retention	
STAGE (ft-NAVD)	**AREA (Ac.)**	**VOLUME (Ac-ft)**	**STAGE (ft-NAVD)**	**AREA (Ac.)**	**VOLUME (Ac-ft)**
2.44	2.18		2.44	0.45	
2.99	***2.24***	***1.22***	*2.99*	***0.47***	***0.25***
3.44	2.29	2.24	3.44	0.48	0.47
4.44	2.40	4.58	4.44	0.52	0.97
5.44	2.51	7.04	5.44	0.56	1.51
5.89	2.56	8.18	5.89	0.58	1.76

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY CALCULATIONS BY DRER

Drainage System: 8

AREA:

Onsite Impervious	**26.97**	Ac.	80%
Onsite Pervious	**6.65**	Ac.	20%
Total Area	**33.62**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.78 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV}) / A_T = \mathbf{0.78}$$

$t_{1"}$ = 11.86 min.

TOTAL TIME OF CONCENTRATION (T_T)

$T_T = t_{1"} + Tc =$ 21.86 min.

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.58 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ CiA\ T_T =$ **192247.46** **cf** **4.41** **ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

VARIABLE GROUNDWATER CALCULATIONS

Drainage System: **8**

Stage = DHW + [PRG x (RF - DHW)]
See ADICPR Technical Design Guide 2-25

Elevation Conversion:	-1.56	ft.	(NGVD-NAVD)

DHW =	3.00	ft. - NGVD	Design High Water / October Average Groundwater Elevation
	1.44	ft. - NAVD	(MD PWD - W.C. 2.2)
RF =	4.50	ft. - NGVD	Return Frequency Groundwater Elevation / Average Yearly Highest Groundwater Level (AYH) (MD
	2.94	ft. - NAVD	PWD - W.C. 2.1)
PRG=	Variable		(Percentage Rise in Groundwater)

24HR DESIGN STORM DURATION		
TIME	PRG	STAGE
(hrs)	%	(ft-NAVD)
0.00	0.00	1.44
1.00	0.01	1.46
2.00	0.03	1.49
3.00	0.06	1.53
4.00	0.09	1.58
5.00	0.12	1.62
6.00	0.16	1.68
7.00	0.20	1.74
8.00	0.24	1.80
9.00	0.30	1.89
10.00	0.36	1.98
11.00	0.44	2.10
12.00	0.54	2.25
13.00	0.61	2.36
14.00	0.67	2.45
15.00	0.73	2.54
16.00	0.78	2.61
17.00	0.82	2.67
18.00	0.86	2.73
19.00	0.90	2.79
20.00	0.93	2.84
21.00	0.96	2.88
22.00	0.98	2.91
23.00	0.99	2.93
24.00	1.00	2.94
36.00	0.00	1.44

72HR DESIGN STORM DURATION		
TIME	PRG	STAGE
(hrs)	%	(ft-NAVD)
0.00	0.00	1.44
24.00	0.11	1.60
36.00	0.19	1.72
48.00	0.26	1.84
49.00	0.27	1.85
50.00	0.28	1.86
51.00	0.29	1.87
52.00	0.30	1.89
53.00	0.31	1.90
54.00	0.33	1.93
55.00	0.34	1.96
56.00	0.37	1.99
57.00	0.39	2.03
57.50	0.40	2.05
58.00	0.42	2.07
58.50	0.44	2.10
59.00	0.46	2.13
59.50	0.50	2.19
60.00	0.75	2.56
60.50	0.80	2.64
61.00	0.83	2.68
61.50	0.85	2.71
62.00	0.87	2.74
62.50	0.88	2.76
63.00	0.89	2.77
64.00	0.91	2.81
65.00	0.92	2.83
66.00	0.94	2.85
68.00	0.96	2.89
70.00	0.98	2.91
72.00	1.00	2.94
108.00	0.00	1.44

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

VARIABLE TAILWATER *

Drainage System: **8**

24HR DESIGN STORM DURATION		72HR DESIGN STORM DURATION	
TIME (hrs)	**STAGE (ft-NGVD)**	**TIME (hrs)**	**STAGE (ft-NGVD)**
0.00	1.44	0.00	1.44
12.50	2.64	60.50	2.99
24.00	2.64	72.00	2.99
48.00	1.44	96.00	1.44
300.00	1.44	300.00	1.44

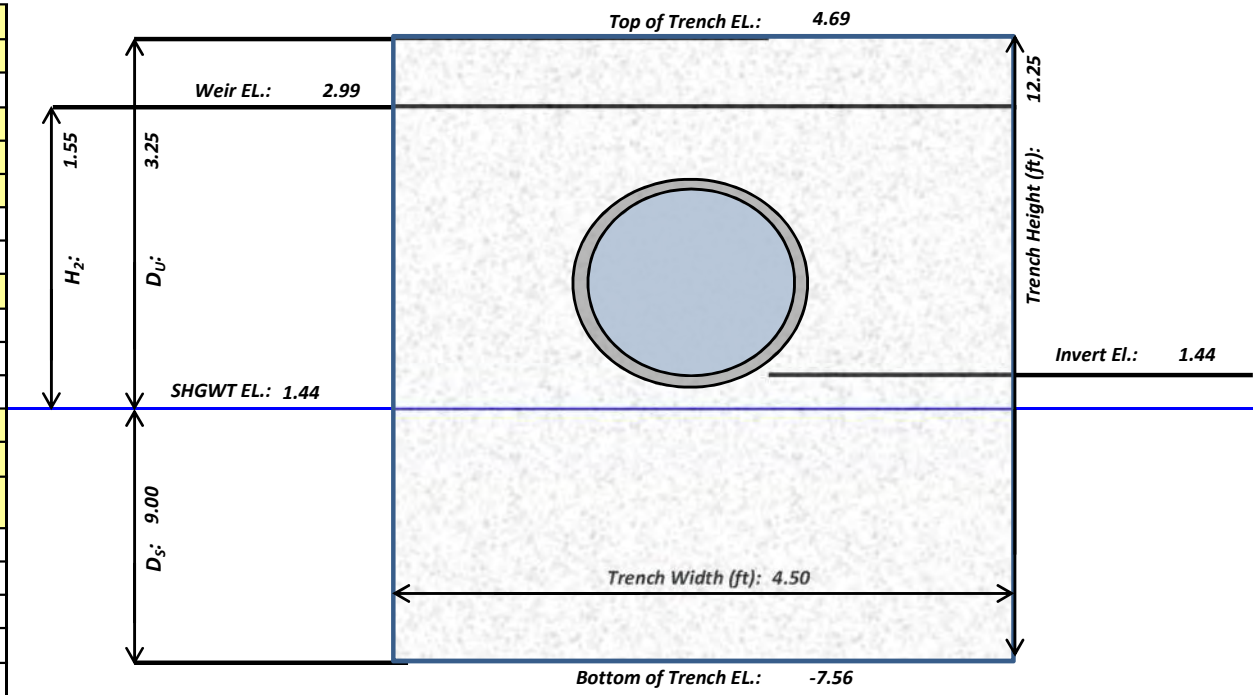
** Per SR-826 Palmetto Expressway (Section 2) from South of Sunset Drive to North of Bird Road - Drainage Report System 5*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 8

French Drain (ICPR Link Name):	**EX8S01_8GW1 / EX8S15A_8GW1**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.44**
Pipe Size (in):	**24**
Effective Length of French Drain, *L* (LF):	**780.00**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, *L* (LF):	**390.00**
Pipe Thickness (in):	**3.00**
Pipe Invert EL. (ft-NAVD):	**1.44**
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.25
Weir EL. (ft-NAVD):	2.99
Trench Width, *W* (ft):	4.50
PT-12, PT-13, PT-14, PT-15 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**3.12E-03**
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	10.08
D_U^2:	10.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.002033
d_2:	0.00
d_3:	0.00
K_{10}:	3.12E-03
K_{15}:	3.12E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	**N/A**
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	**34.15**
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**2.85**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 8

French Drain (ICPR Link Name): **EX8S01_8GW1 / EX8S15A_8GW1**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **195.00**
Trench Height, H_T (ft): **12.25**
Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **3.120E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **4.69**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.99**
Upstream Structure Rim/Grate EL. (ft-NAVD): **5.68**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.69**	3.25	9.00	3.25	0.15000	**29.2500**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**29.2500**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.12422	**24.2219**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**29.2500**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

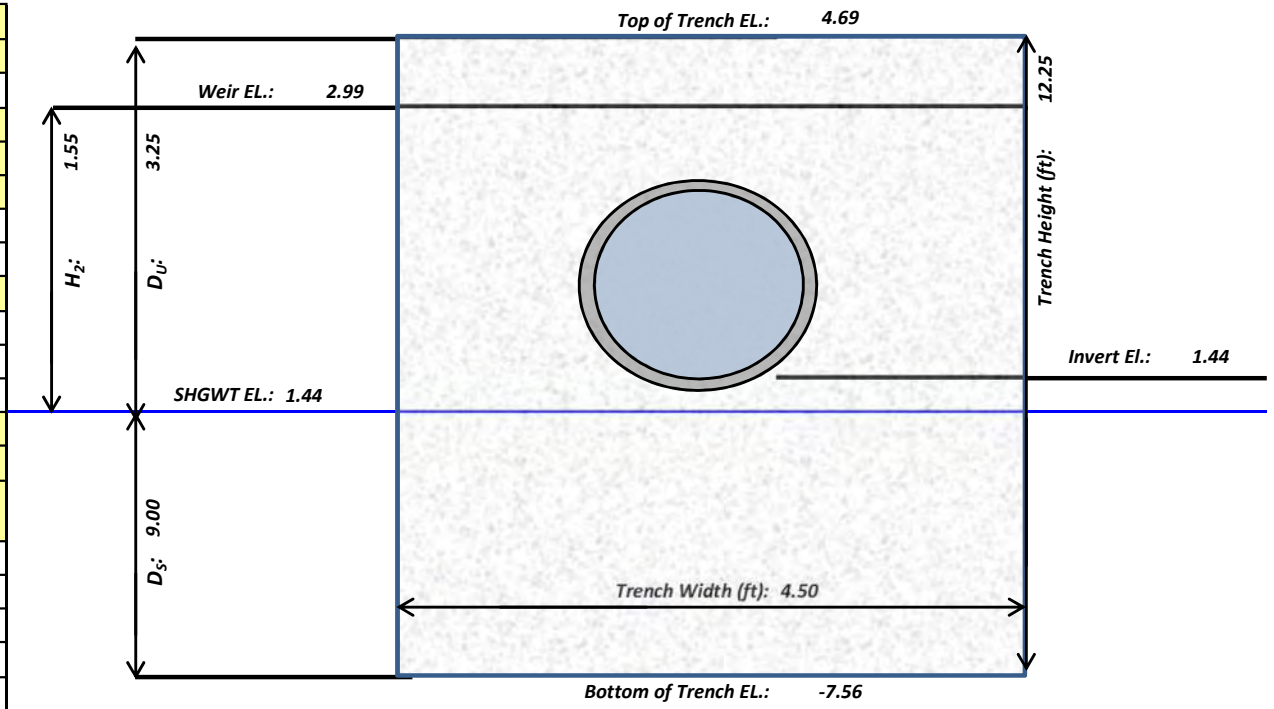
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**29.2500**
1.44	**7.44**	**29.2500**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**24.2219**
2.94	**7.44**	**29.2500**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 8

French Drain (ICPR Link Name):	EX8S17_8GW2 / EX8S21_8GW2
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	93.50
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	46.75
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.25
Weir EL. (ft-NAVD):	2.99
Trench Width, W (ft):	4.50
PT-12, PT-13, PT-14, PT-15 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	3.12E-03
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	10.08
D_U^2:	10.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.002033
d_2:	0.00
d_3:	0.00
K_{10}:	3.12E-03
K_{15}:	3.12E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	4.09
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.34**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 8

French Drain (ICPR Link Name): **EX8S17_8GW2 / EX8S21_8GW2**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **23.38**
Trench Height, H_T (ft): **12.25**
Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **3.120E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **4.69**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.99**
Upstream Structure Rim/Grate EL. (ft-NAVD): **5.70**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.69**	3.25	9.00	3.25	0.15000	**3.5063**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**3.5063**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.12422	**2.9035**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**3.5063**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

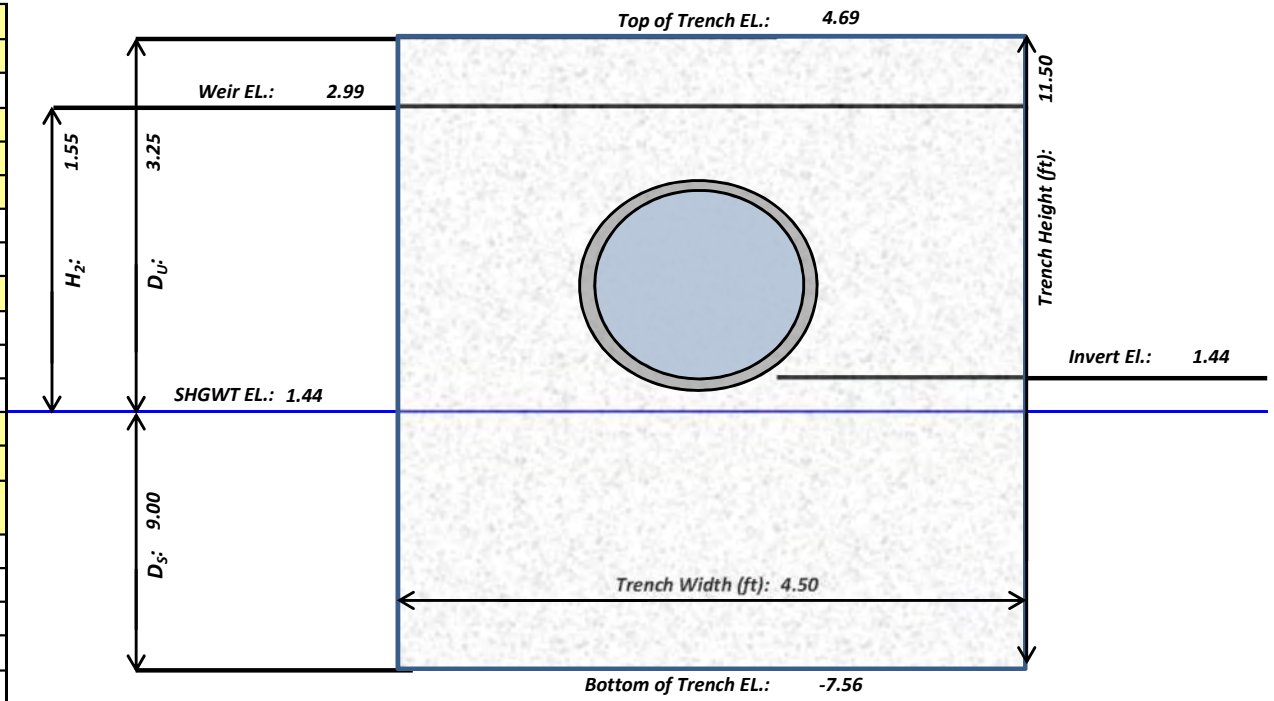
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**3.5063**
1.44	**7.44**	**3.5063**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**2.9035**
2.94	**7.44**	**3.5063**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 8

French Drain (ICPR Link Name):	EX8S5A_8GW3 / EX8S06_8GW3
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	94.00
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	47.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	11.50
Weir EL. (ft-NAVD):	2.99
Trench Width, W (ft):	4.50
PT-12, PT-13, PT-14, PT-15 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	3.12E-03
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	10.08
D_U^2:	10.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.002033
d_2:	0.00
d_3:	0.00
K_{10}:	3.12E-03
K_{15}:	3.12E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	4.12
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.34**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 8

French Drain (ICPR Link Name): **EX8S5A_8GW3 / EX8S06_8GW3**
Existing/Proposed: **Existing**

Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **23.50**
Trench Height, H_T (ft): **11.50**
Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **3.120E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **4.69**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.99**
Upstream Structure Rim/Grate EL. (ft-NAVD): **7.80**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.69**	3.25	9.00	3.25	0.15000	**3.5250**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**3.5250**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.12422	**2.9191**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**3.5250**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**3.5250**
1.44	**7.44**	**3.5250**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**2.9191**
2.94	**7.44**	**3.5250**

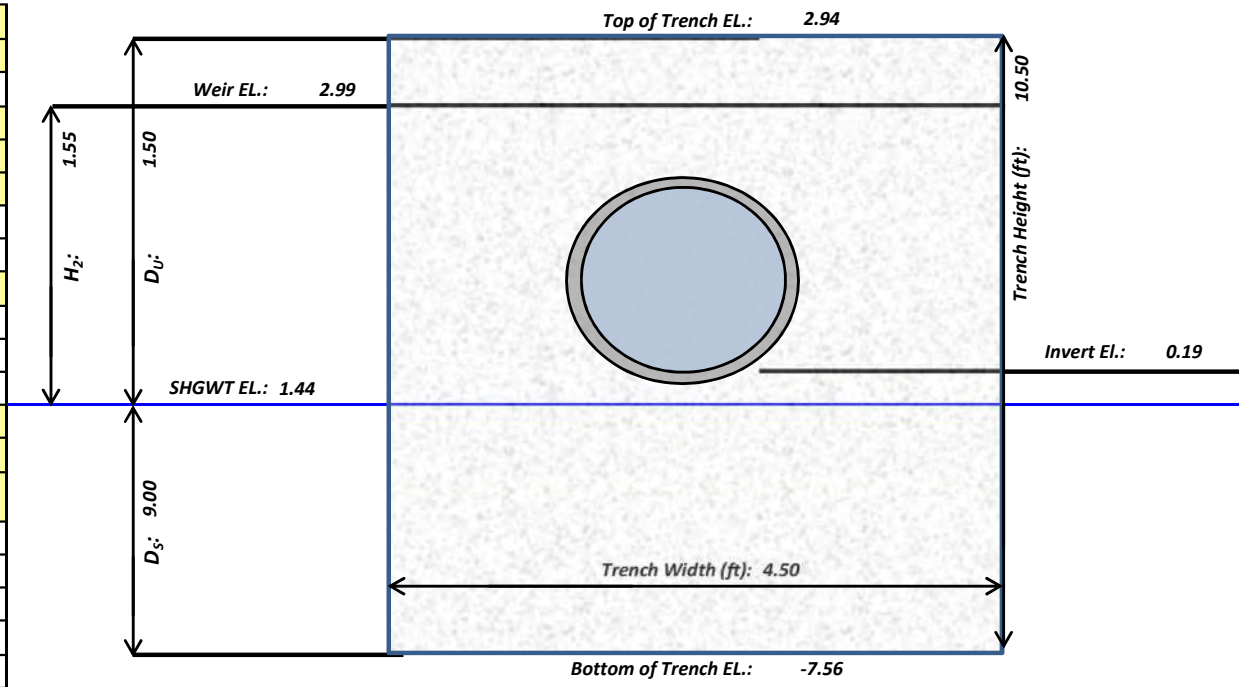
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 8

French Drain (ICPR Link Name):	EX8S54_8GW4 / EX8S57_8GW4
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	225.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	112.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	0.19
Top of Trench EL. (ft-NAVD):	2.94
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	10.50
Weir EL. (ft-NAVD):	2.99
Trench Width, W (ft):	4.50
PT-12, PT-13, PT-14, PT-15 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	3.12E-03
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	1.50
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	4.65
D_U^2:	2.25
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.000938
d_2:	0.00
d_3:	0.00
K_{10}:	3.12E-03
K_{15}:	3.12E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	10.74
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.90 ***

**Note: FD not considered for water quality purposes*



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 8

French Drain (ICPR Link Name): **EX8S54_8GW4 / EX8S57_8GW4**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **56.25**
Trench Height, H_T (ft): **10.50**
Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **3.120E-03**
Pipe Invert EL. (ft-NAVD): **0.19**
Top of Trench EL. (ft-NAVD): **2.94**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.99**
Upstream Structure Rim/Grate EL. (ft-NAVD): **3.44**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual
Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**2.94**	1.50	9.00	1.50	0.09126	**5.1334**	$E = 2K_{avg}D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	1.50	9.00	6.00	0.15000	**8.4375**	$E = 2K_{avg}[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**3.04**	0.00	10.50	0.10	0.00000	**0.0000**	$E = 2K_{avg}D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	0.00	10.50	4.50	0.15000	**8.4375**	$E = 2K_{avg}[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

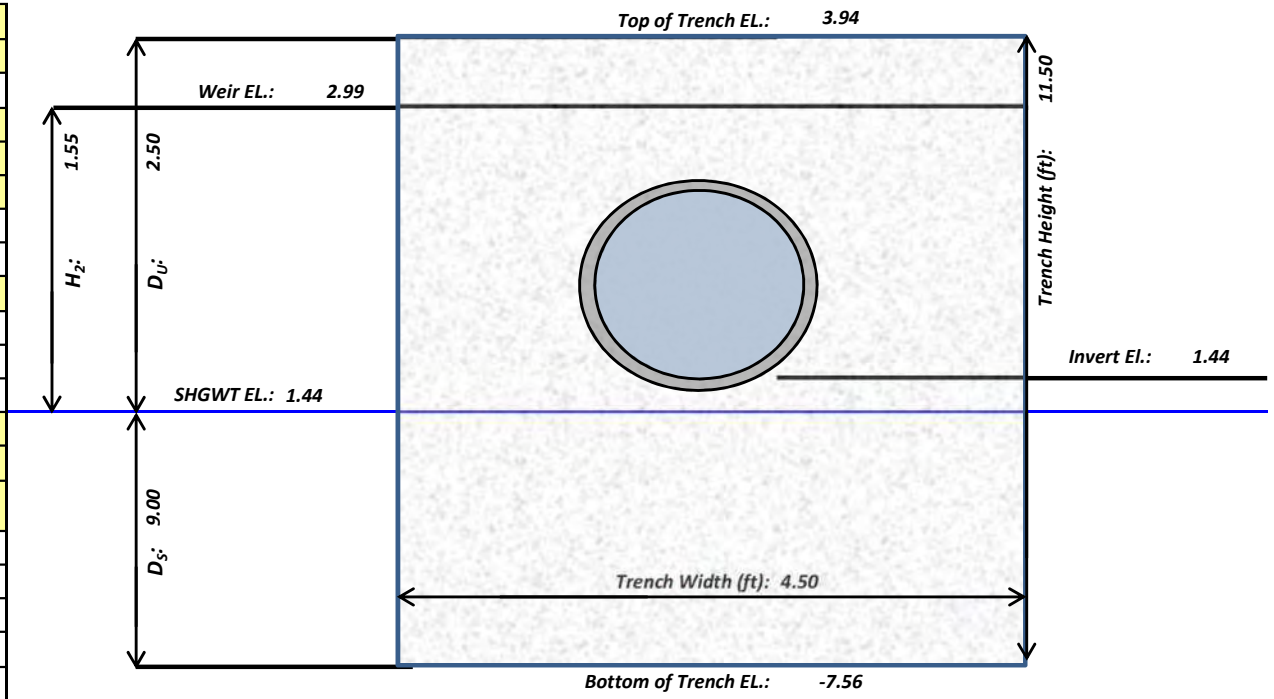
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**2.94**	**5.1334**
1.44	**7.44**	**8.4375**
2.94	**2.94**	**0.0000**
2.94	**3.04**	**0.0000**
2.94	**7.44**	**8.4375**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 8

French Drain (ICPR Link Name):	**EX8S74_8GW5 / EX8S81_8GW5**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.44**
Pipe Size (in):	**24**
Effective Length of French Drain, L (LF):	**408.5**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, L (LF):	**204.25**
Pipe Thickness (in):	**3.00**
Pipe Invert EL. (ft-NAVD):	**1.44**
Top of Trench EL. (ft-NAVD):	3.94
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	11.50
Weir EL. (ft-NAVD):	2.99
Trench Width, W (ft):	4.50
PT-12, PT-13, PT-14, PT-15 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**3.12E-03**
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	2.50
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	7.75
D_U^2:	6.25
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.001564
d_2:	0.00
d_3:	0.00
K_{10}:	3.12E-03
K_{15}:	3.12E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	**N/A**
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	**19.05**
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**1.59**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 8

French Drain (ICPR Link Name): **EX8S74_8GW5 / EX8S81_8GW5**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **102.13**
Trench Height, H_T (ft): **11.50**
Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **3.120E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **3.94**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.99**
Upstream Structure Rim/Grate EL. (ft-NAVD): **7.52**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**3.94**	2.50	9.00	2.50	0.15000	**15.3188**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	2.50	9.00	6.00	0.15000	**15.3188**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**3.94**	1.00	10.50	1.00	0.06864	**7.0099**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.00	10.50	4.50	0.15000	**15.3188**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

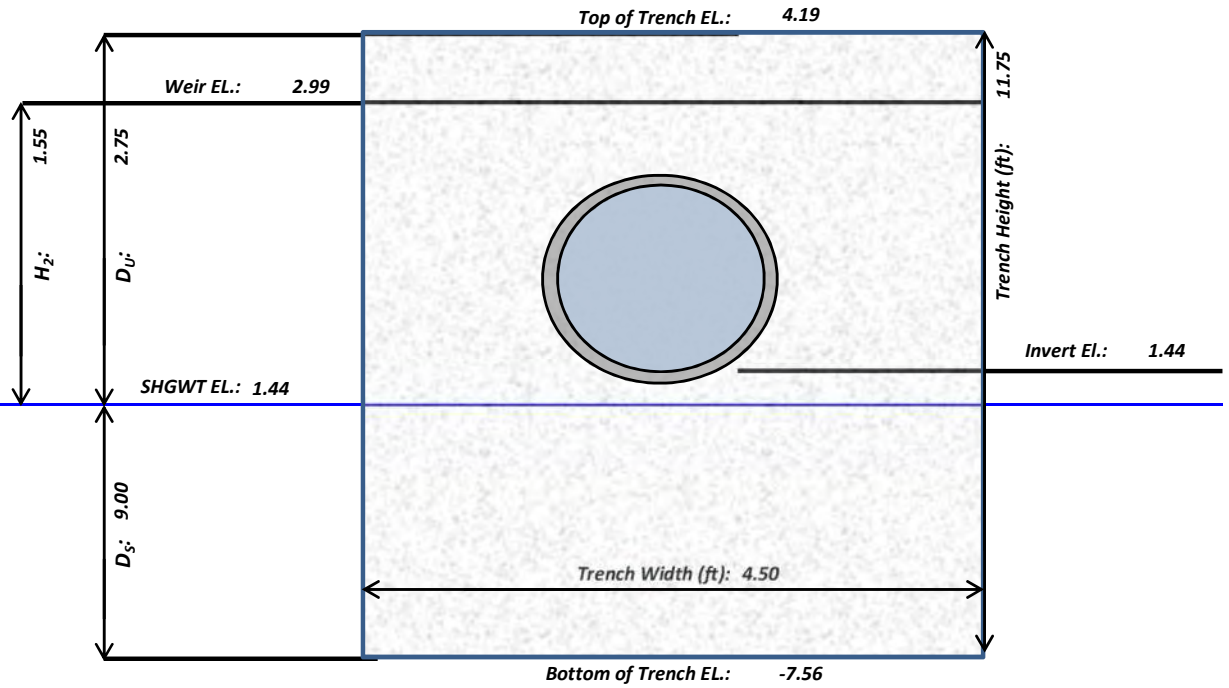
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**3.94**	**15.3188**
1.44	**7.44**	**15.3188**
2.94	**2.94**	**0.0000**
2.94	**3.94**	**7.0099**
2.94	**7.44**	**15.3188**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 8

French Drain (ICPR Link Name):	EX8S81_8GW6 / EX8S83_8GW6
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	203.5
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	101.75
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	4.19
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	11.75
Weir EL. (ft-NAVD):	2.99
Trench Width, W (ft):	4.50
PT-12, PT-13, PT-14, PT-15 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	3.12E-03
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	2.75
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	8.53
D_U^2:	7.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.001720
d_2:	0.00
d_3:	0.00
K_{10}:	3.12E-03
K_{15}:	3.12E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	9.34
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.78**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 8

French Drain (ICPR Link Name): **EX8S81_8GW6 / EX8S83_8GW6**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **50.88**
Trench Height, H_T (ft): **11.75**
Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} ($cfs/ft^2/ft\text{-}head$): **3.120E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **4.19**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.99**
Upstream Structure Rim/Grate EL. (ft-NAVD): **7.91**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.19**	2.75	9.00	2.75	0.15000	**7.6313**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	2.75	9.00	6.00	0.15000	**7.6313**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.19**	1.25	10.50	1.25	0.08678	**4.4147**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.25	10.50	4.50	0.15000	**7.6313**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

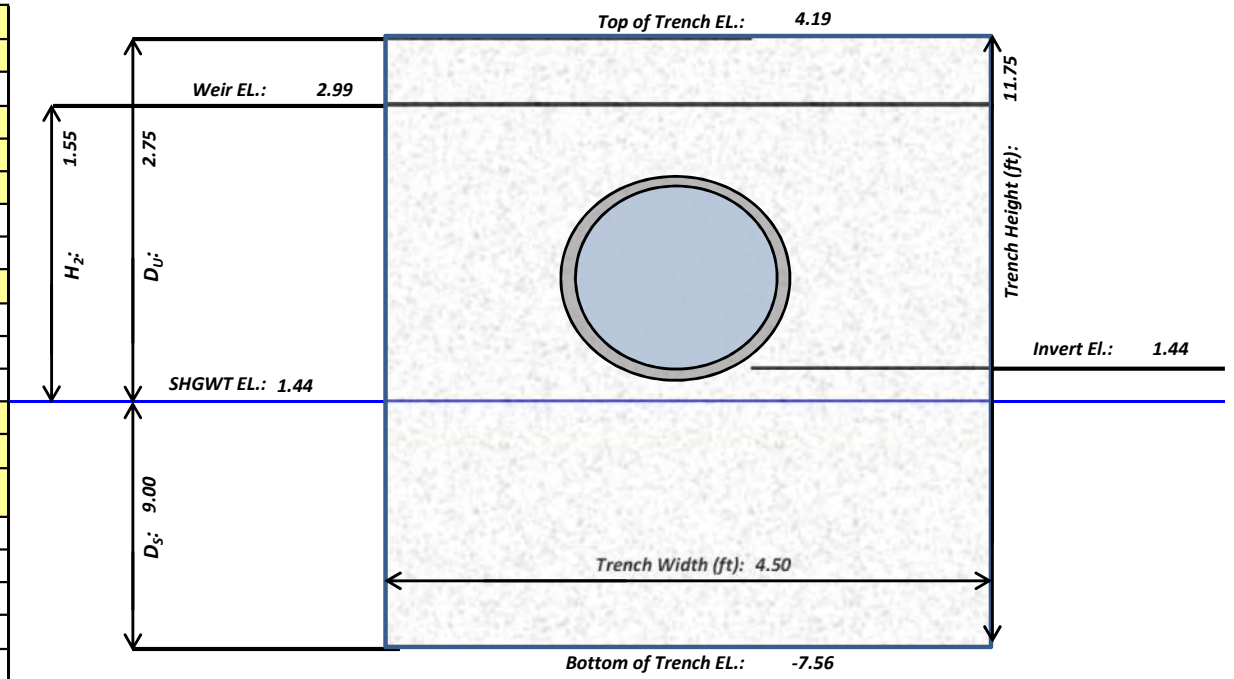
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.19**	**7.6313**
1.44	**7.44**	**7.6313**
2.94	**2.94**	**0.0000**
2.94	**4.19**	**4.4147**
2.94	**7.44**	**7.6313**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 8

French Drain (ICPR Link Name):	EX8S85_8GW7 / EX8S87_8GW7
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	326.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	163.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	4.19
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	11.75
Weir EL. (ft-NAVD):	2.99
Trench Width, W (ft):	4.50
PT-12, PT-13, PT-14, PT-15 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	3.12E-03
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	2.75
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	8.53
D_U^2:	7.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.001720
d_2:	0.00
d_3:	0.00
K_{10}:	3.12E-03
K_{15}:	3.12E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	14.96
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**1.25**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 8

French Drain (ICPR Link Name): **EX8S85_8GW7 / EX8S87_8GW7**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **81.50**
Trench Height, H_T (ft): **11.75**
Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} ($cfs/ft^2/ft$-head): **3.120E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **4.19**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.99**
Upstream Structure Rim/Grate EL. (ft-NAVD): **4.69**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.19**	2.75	9.00	2.75	0.15000	**12.2250**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	2.75	9.00	6.00	0.15000	**12.2250**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.19**	1.25	10.50	1.25	0.08678	**7.0722**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.25	10.50	4.50	0.15000	**12.2250**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

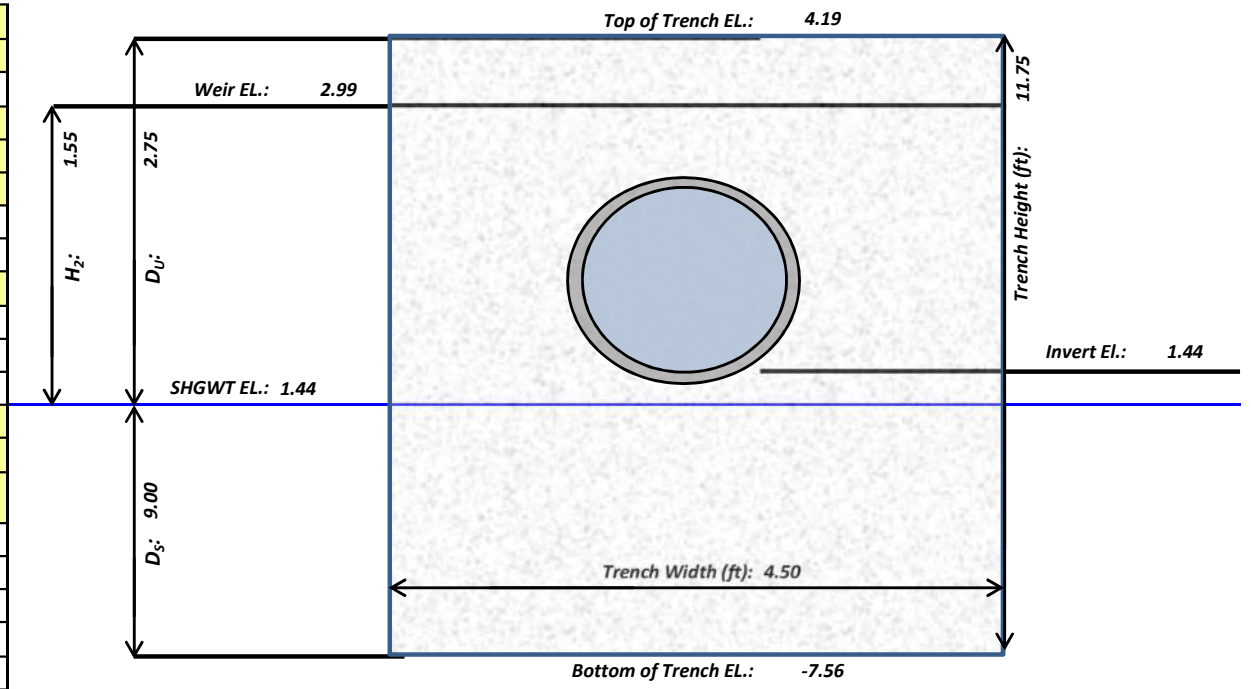
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.19**	**12.2250**
1.44	**7.44**	**12.2250**
2.94	**2.94**	**0.0000**
2.94	**4.19**	**7.0722**
2.94	**7.44**	**12.2250**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 8

French Drain (ICPR Link Name):	EX8S85B_8GW8 / EX8S88_8GW8
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	327.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	163.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	4.19
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	11.75
Weir EL. (ft-NAVD):	2.99
Trench Width, W (ft):	4.50
PT-12, PT-13, PT-14, PT-15 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	3.12E-03
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	2.75
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	8.53
D_U^2:	7.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.001720
d_2:	0.00
d_3:	0.00
K_{10}:	3.12E-03
K_{15}:	3.12E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	15.00
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**1.25**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 8

French Drain (ICPR Link Name): **EX8S85B_8GW8 / EX8S88_8GW8**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **81.75**
Trench Height, H_T (ft): **11.75**
Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head): **3.120E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **4.19**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.99**
Upstream Structure Rim/Grate EL. (ft-NAVD): **7.04**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual
Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.19**	2.75	9.00	2.75	0.15000	**12.2625**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	2.75	9.00	6.00	0.15000	**12.2625**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.19**	1.25	10.50	1.25	0.08678	**7.0939**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.25	10.50	4.50	0.15000	**12.2625**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.19**	**12.2625**
1.44	**7.44**	**12.2625**
2.94	**2.94**	**0.0000**
2.94	**4.19**	**7.0939**
2.94	**7.44**	**12.2625**

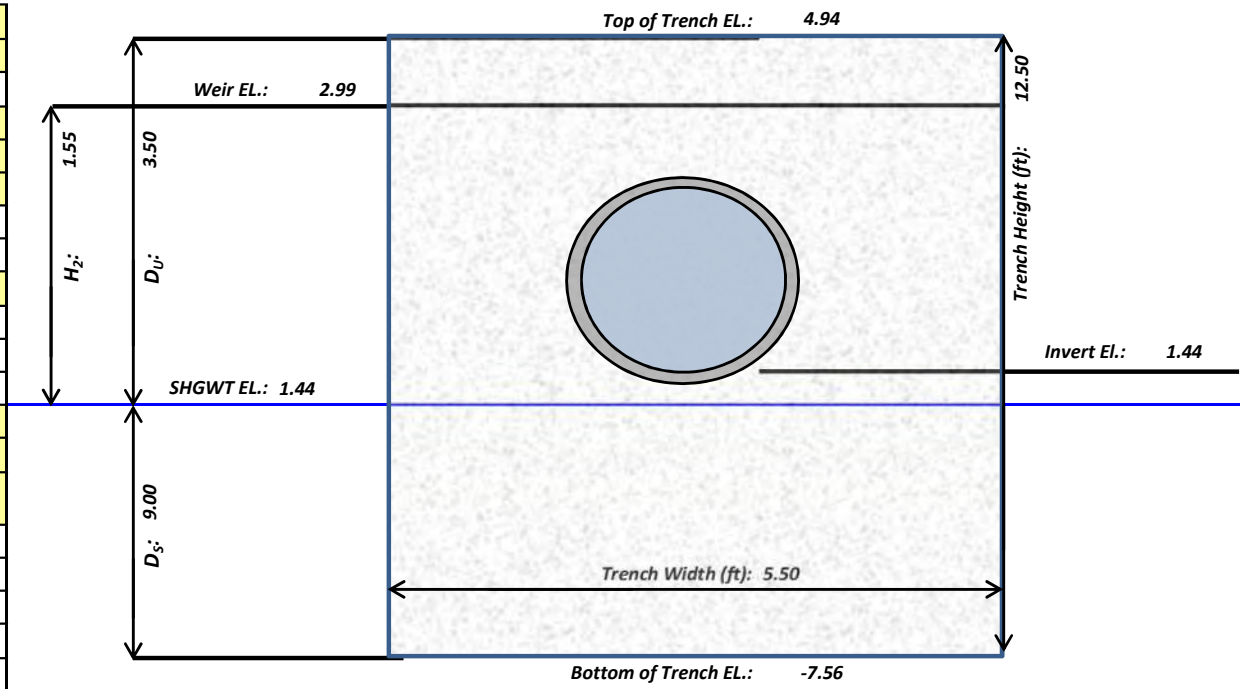
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 8

French Drain (ICPR Link Name):	EX8S49_8GW9 / POND8E2_8GW9
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	260.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	130.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	4.94
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.50
Weir EL. (ft-NAVD):	2.99
Trench Width, W (ft):	5.50
PT-12, PT-13, PT-14, PT-15 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	3.12E-03
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	3.50
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	8.53
$2H_2D_U$:	10.85
D_U^2:	12.25
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.002676
d_2:	0.00
d_3:	0.00
K_{10}:	3.12E-03
K_{15}:	3.12E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	11.10
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.92 ***

**Note: FD not considered for water quality purposes*



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 8

French Drain (ICPR Link Name): **EX8S49_8GW9 / POND8E2_8GW9**
Existing/Proposed: **Existing**
Pipe Size (in): **36**
1 /2 Length of French Drain, *L* (LF) * : **65.00**
Trench Height, H_T (ft): **12.50**
Trench Width, *W* (ft): **5.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head): **3.120E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **4.94**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.99**
Upstream Structure Rim/Grate EL. (ft-NAVD): **6.69**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual
Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.94**	3.50	9.00	3.50	0.15000	**9.7500**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.50	9.00	6.00	0.15000	**9.7500**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.94**	2.00	10.50	2.00	0.14352	**9.3288**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	2.00	10.50	4.50	0.15000	**9.7500**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

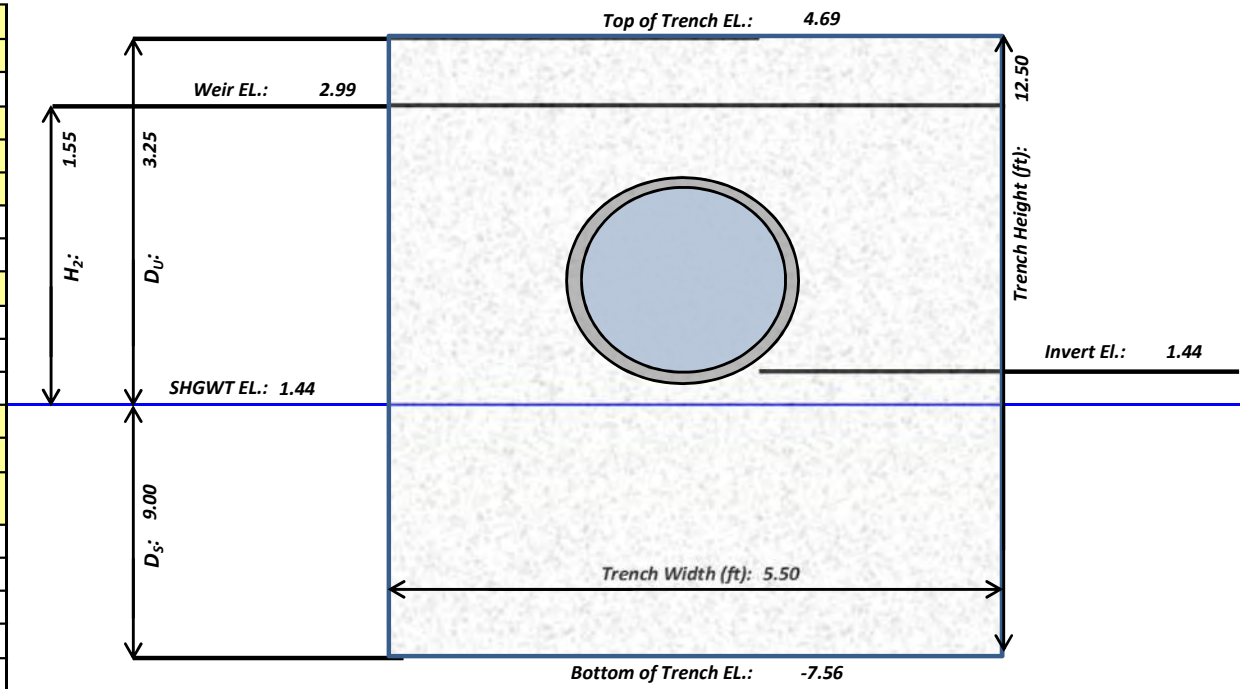
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.94**	**9.7500**
1.44	**7.44**	**9.7500**
2.94	**2.94**	**0.0000**
2.94	**4.94**	**9.3288**
2.94	**7.44**	**9.7500**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 8

French Drain (ICPR Link Name):	**EX8S72A_8GW10/EX8S74_8GW10**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.44**
Pipe Size (in):	**36**
Effective Length of French Drain, *L* (LF):	**129.0**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, *L* (LF):	**64.50**
Pipe Thickness (in):	**4.00**
Pipe Invert EL. (ft-NAVD):	**1.44**
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.50
Weir EL. (ft-NAVD):	2.99
Trench Width, *W* (ft):	5.50
PT-12, PT-13, PT-14, PT-15 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**3.12E-03**
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	8.53
$2H_2D_U$:	10.08
D_U^2:	10.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.002485
d_2:	0.00
d_3:	0.00
K_{10}:	3.12E-03
K_{15}:	3.12E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	**N/A**
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	**5.68**
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**0.47**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 8

French Drain (ICPR Link Name): **EX8S72A_8GW10/EX8S74_8GW10**
Existing/Proposed: **Existing**
Pipe Size (in): **36**
1 /2 Length of French Drain, *L* (LF) * : **32.25**
Trench Height, H_T (ft): **12.50**
Trench Width, *W* (ft): **5.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head): **3.120E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **4.69**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.99**
Upstream Structure Rim/Grate EL. (ft-NAVD): **7.52**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual
Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.69**	3.25	9.00	3.25	0.15000	**4.8375**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**4.8375**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.12422	**4.0059**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**4.8375**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

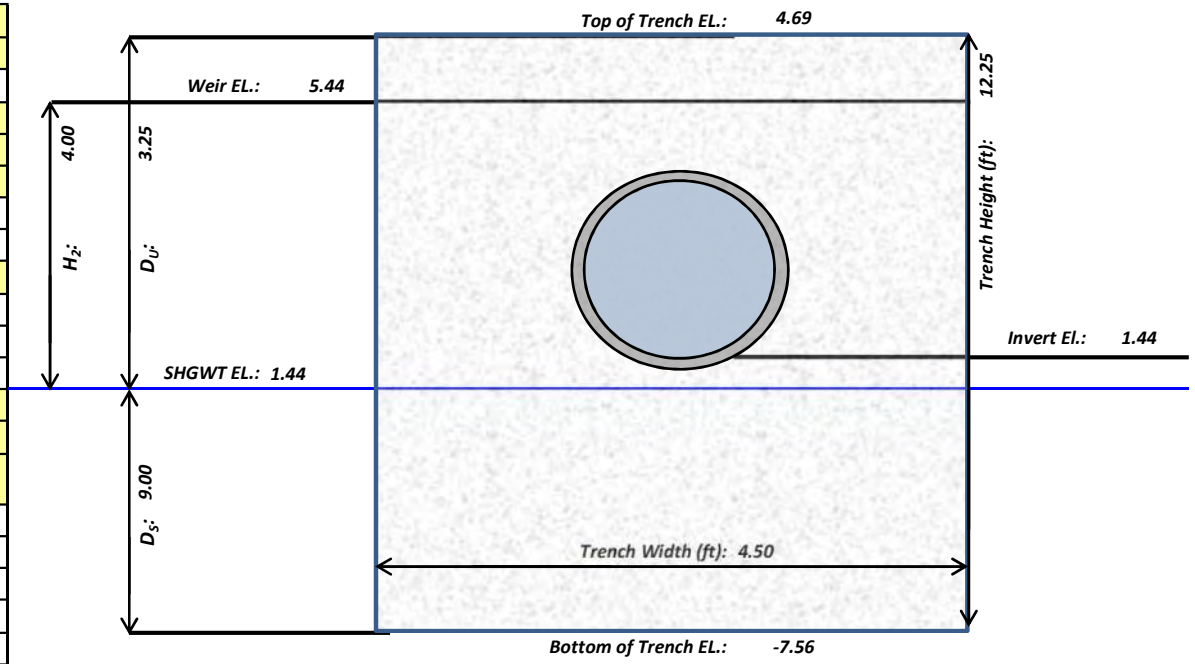
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**4.8375**
1.44	**7.44**	**4.8375**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**4.0059**
2.94	**7.44**	**4.8375**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 8

French Drain (ICPR Link Name):	EX8S40W1_8GW11 / EX8S40W2_8GW11
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	143.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	71.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.25
Weir EL. (ft-NAVD):	5.44
Trench Width, W (ft):	4.50
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.05E-03
Depth to Water Table, H_2 (ft):	4.00
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	18.00
$2H_2D_U$:	26.00
D_U^2:	10.56
$2H_2D_S$:	72.00
$(1.39x10^{-4})WD_U$:	0.002033
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	12.96
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**1.08**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 8

French Drain (ICPR Link Name): **EX8S40W1_8GW11 / EX8S40W2_8GW11**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **35.75**
Trench Height, H_T (ft): **12.25**
Trench Width, *W* (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head): **2.050E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **4.69**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): Lower Grade EL. **5.44**
Upstream Structure Rim/Grate EL. (ft-NAVD): **6.21**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.69**	3.25	9.00	3.25	0.14158	**5.0614**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**5.3625**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.08162	**2.9178**	$E = 2Kavg\, D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**5.3625**	$E = 2Kavg\,[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

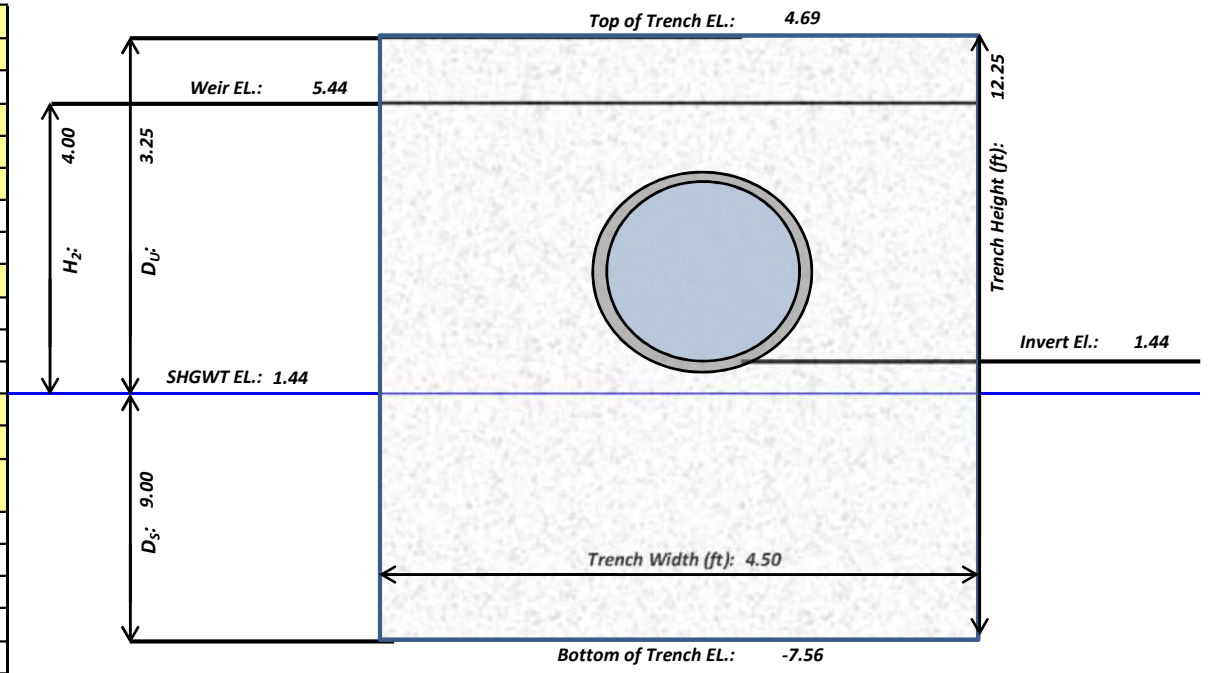
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**5.0614**
1.44	**7.44**	**5.3625**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**2.9178**
2.94	**7.44**	**5.3625**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 8

French Drain (ICPR Link Name):	EX8S40W5_8GW12 / EX8S40W7_8GW12
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	139.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	69.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.25
Weir EL. (ft-NAVD):	5.44
Trench Width, W (ft):	4.50
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.05E-03
Depth to Water Table, H_2 (ft):	4.00
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	18.00
$2H_2D_U$:	26.00
D_U^2:	10.56
$2H_2D_S$:	72.00
$(1.39x10^{-4})WD_U$:	0.002033
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	12.60
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**1.05**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 8

French Drain (ICPR Link Name): **EX8S40W5_8GW12 / EX8S40W7_8GW12**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **34.75**
Trench Height, H_T (ft): **12.25**
Trench Width, *W* (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.050E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **4.69**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): Lower Grade EL. **5.44**
Upstream Structure Rim/Grate EL. (ft-NAVD): **5.44**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.69**	3.25	9.00	3.25	0.14158	**4.9198**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**5.2125**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.08162	**2.8361**	$E = 2Kavg\, D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**5.2125**	$E = 2Kavg\,[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

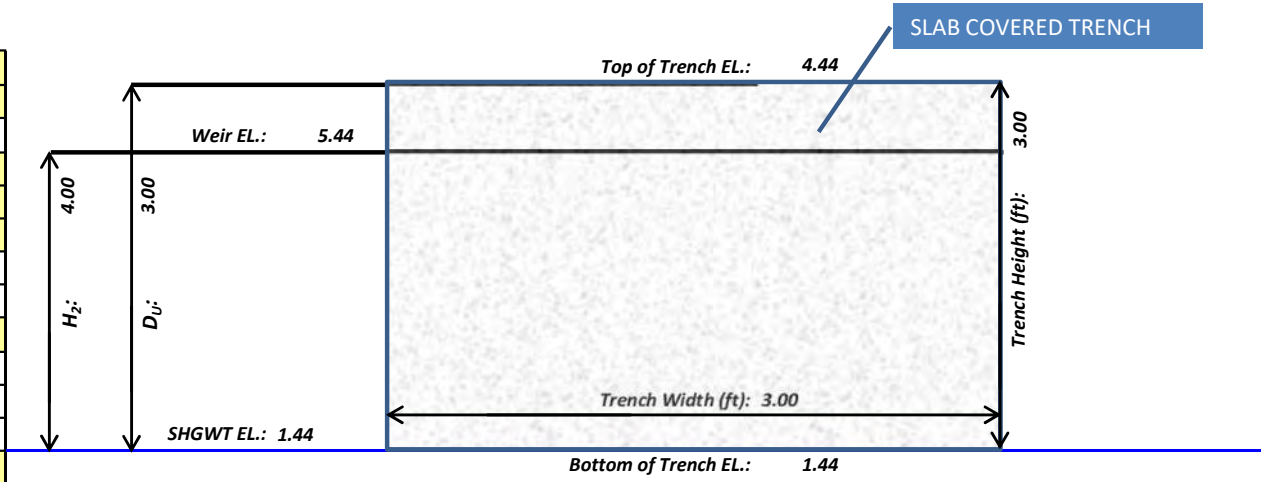
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**4.9198**
1.44	**7.44**	**5.2125**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**2.8361**
2.94	**7.44**	**5.2125**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 8

French Drain (ICPR Link Name):	EX8S40W4_8GW13 /
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	--
Effective Length of French Drain, L (LF):	225.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	112.50
Pipe Thickness (in):	--
Pipe Invert EL. (ft-NAVD):	--
Top of Trench EL. (ft-NAVD):	4.44
Bottom of Trench EL. (ft-NAVD):	1.44
Trench Height, H_T (ft):	3.00
Weir EL. (ft-NAVD):	5.44
Trench Width, W (ft):	3.00
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.05E-03
Depth to Water Table, H_2 (ft):	4.00
Non-Saturated Trench Depth, D_U (ft):	3.00
Saturated Trench Depth, D_S (ft):	0.00
H_2W:	12.00
$2H_2D_U$:	24.00
D_U^2:	9.00
$2H_2D_S$:	0.00
$(1.39x10^{-4})WD_U$:	0.001251
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	6.37
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	N/A
$D_U > D_S$ and $W < 2H_T$(Yes/No):	Yes
Treatment Volume Provided, V (Ac-ft):	**0.53**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 8

French Drain (ICPR Link Name): EX8S40W4_8GW13 /
Existing/Proposed: Existing

Pipe Size (in): --
1 /2 Length of French Drain, *L* (LF) * : 56.25
Trench Height, H_T (ft): 3.00
Trench Width, *W* (ft): 3.00

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): 2.050E-03
Pipe Invert EL. (ft-NAVD): --
Top of Trench EL. (ft-NAVD): 4.44
Bottom of Trench EL. (ft-NAVD): 1.44
Weir EL. (ft-NAVD): Lower Grade EL. 5.44
Upstream Structure Rim/Grate EL. (ft-NAVD): 7.56

SHGWT EL. (ft-NAVD): 1.44
Max Stage (ft-NAVD): *7.56*

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** 2.94

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.44**	3.00	0.00	3.00	0.01845	**1.0378**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.56**	3.00	0.00	6.12	0.05683	**3.1965**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.44**	1.50	0.00	1.50	0.00461	**0.2595**	$E = 2Kavg\, D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.56**	1.50	0.00	4.62	0.02380	**1.3388**	$E = 2Kavg\,[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

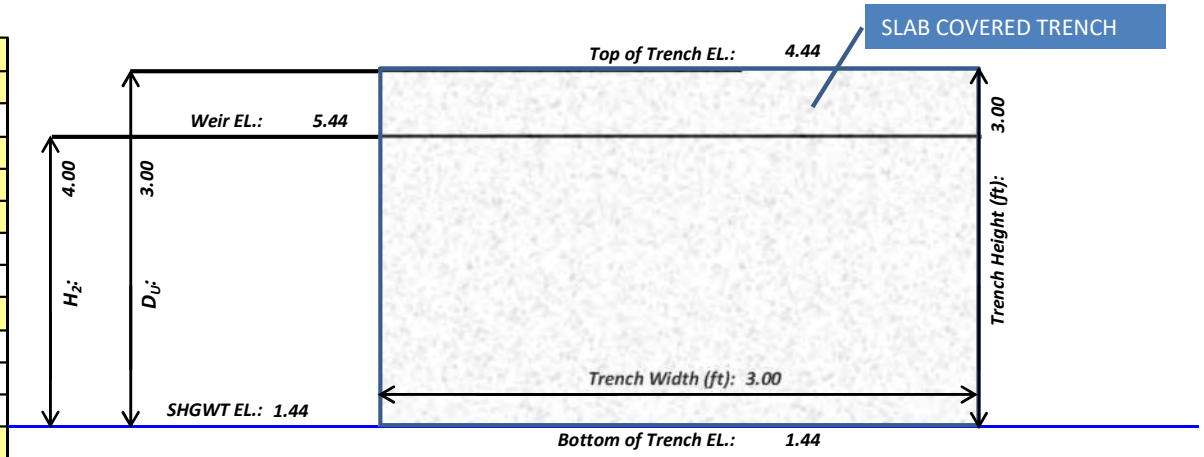
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.44**	**1.0378**
1.44	**7.56**	**3.1965**
2.94	**2.94**	**0.0000**
2.94	**4.44**	**0.2595**
2.94	**7.56**	**1.3388**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 8

French Drain (ICPR Link Name):	EX8S40W6_8GW14 / EX8S139D_8GW14
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	--
Effective Length of French Drain, L (LF):	369.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	184.50
Pipe Thickness (in):	--
Pipe Invert EL. (ft-NAVD):	--
Top of Trench EL. (ft-NAVD):	4.44
Bottom of Trench EL. (ft-NAVD):	1.44
Trench Height, H_T (ft):	3.00
Weir EL. (ft-NAVD):	5.44
Trench Width, W (ft):	3.00
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.05E-03
Depth to Water Table, H_2 (ft):	4.00
Non-Saturated Trench Depth, D_U (ft):	3.00
Saturated Trench Depth, D_S (ft):	0.00
H_2W:	12.00
$2H_2D_U$:	24.00
D_U^2:	9.00
$2H_2D_S$:	0.00
$(1.39x10^{-4})WD_U$:	0.001251
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	10.44
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	N/A
$D_U > D_S$ and $W < 2H_T$(Yes/No):	Yes
Treatment Volume Provided, V (Ac-ft):	**0.87**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 8

French Drain (ICPR Link Name): **EX8S40W6_8GW14 / EX8S139D_8GW14**
Existing/Proposed: **Existing**
Pipe Size (in): **--**
1 /2 Length of French Drain, *L* (LF) * : **92.25**
Trench Height, H_T (ft): **3.00**
Trench Width, *W* (ft): **3.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.050E-03**
Pipe Invert EL. (ft-NAVD): **--**
Top of Trench EL. (ft-NAVD): **4.44**
Bottom of Trench EL. (ft-NAVD): **1.44**
Weir EL. (ft-NAVD):
Lower Grade EL. **5.44**
Upstream Structure Rim/Grate EL. (ft-NAVD): **7.56**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.56***
AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.44**	3.00	0.00	3.00	0.01845	**1.7020**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.56**	3.00	0.00	6.12	0.05683	**5.2422**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.44**	1.50	0.00	1.50	0.00461	**0.4255**	$E = 2Kavg\, D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.56**	1.50	0.00	4.62	0.02380	**2.1956**	$E = 2Kavg\,[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

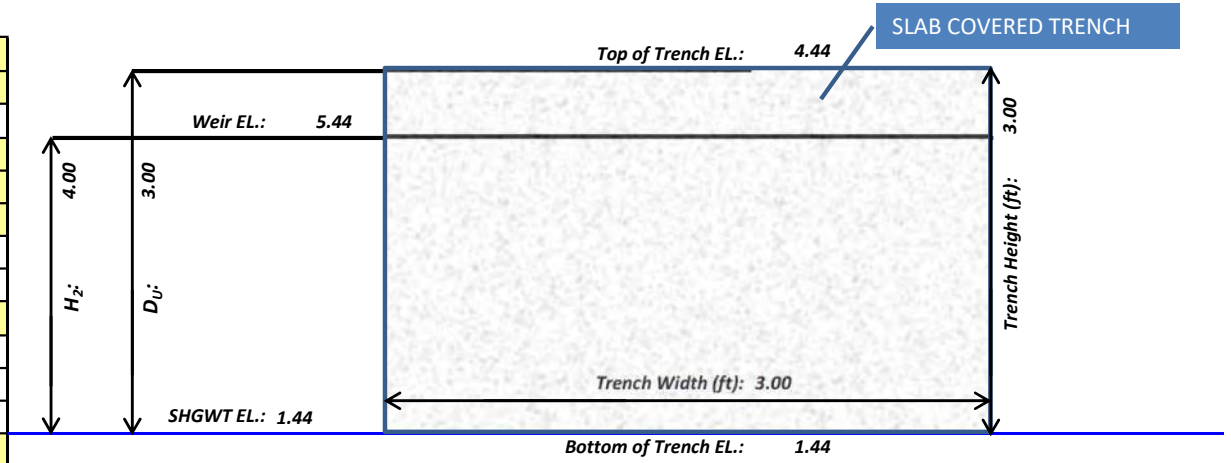
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.44**	**1.7020**
1.44	**7.56**	**5.2422**
2.94	**2.94**	**0.0000**
2.94	**4.44**	**0.4255**
2.94	**7.56**	**2.1956**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 8

French Drain (ICPR Link Name):	EX8S139D_8GW15 / EX8S99_8GW15
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	--
Effective Length of French Drain, L (LF):	512.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	256.00
Pipe Thickness (in):	--
Pipe Invert EL. (ft-NAVD):	--
Top of Trench EL. (ft-NAVD):	4.44
Bottom of Trench EL. (ft-NAVD):	1.44
Trench Height, H_T (ft):	3.00
Weir EL. (ft-NAVD):	5.44
Trench Width, W (ft):	3.00
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.05E-03
Depth to Water Table, H_2 (ft):	4.00
Non-Saturated Trench Depth, D_U (ft):	3.00
Saturated Trench Depth, D_S (ft):	0.00
H_2W:	12.00
$2H_2D_U$:	24.00
D_U^2:	9.00
$2H_2D_S$:	0.00
$(1.39x10^{-4})WD_U$:	0.001251
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	14.49
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	N/A*
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	Yes
Treatment Volume Provided, V (Ac-ft):	**1.21**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 8

French Drain (ICPR Link Name): EX8S139D_8GW15 / EX8S99_8GW15
Existing/Proposed: Existing
Pipe Size (in): --
1 /2 Length of French Drain, *L* (LF) * : 128.00
Trench Height, H_T (ft): 3.00
Trench Width, *W* (ft): 3.00

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): 2.050E-03
Pipe Invert EL. (ft-NAVD): --
Top of Trench EL. (ft-NAVD): 4.44
Bottom of Trench EL. (ft-NAVD): 1.44
Weir EL. (ft-NAVD): Lower Grade EL. 5.44
Upstream Structure Rim/Grate EL. (ft-NAVD): 7.64

SHGWT EL. (ft-NAVD): 1.44
Max Stage (ft-NAVD): *7.64*
AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** 2.94

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.44**	3.00	0.00	3.00	0.01845	**2.3616**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.64**	3.00	0.00	6.20	0.05781	**7.3997**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.44**	1.50	0.00	1.50	0.00461	**0.5904**	$E = 2Kavg\ D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.64**	1.50	0.00	4.70	0.02429	**3.1094**	$E = 2Kavg\ [D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

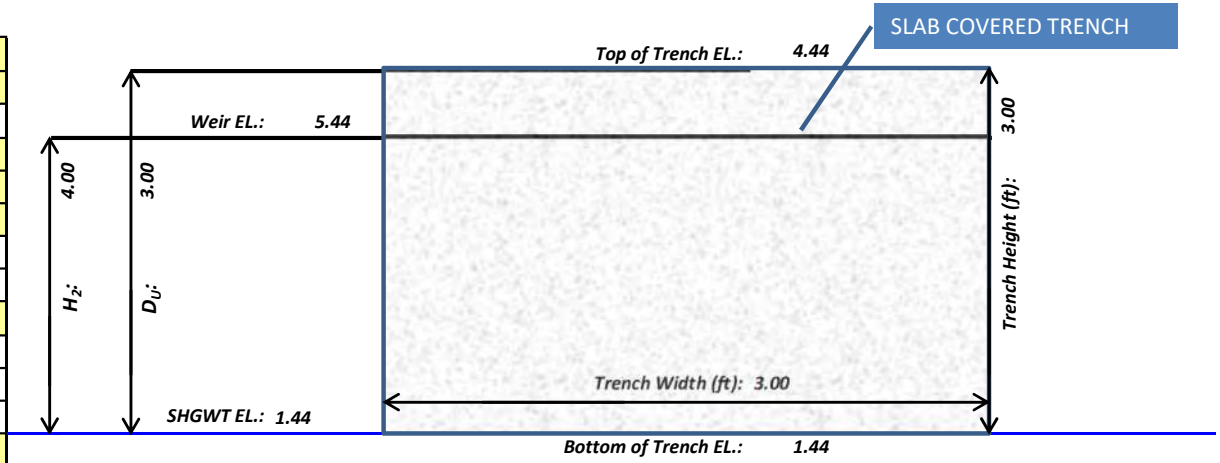
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.44**	**2.3616**
1.44	**7.64**	**7.3997**
2.94	**2.94**	**0.0000**
2.94	**4.44**	**0.5904**
2.94	**7.64**	**3.1094**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 8

French Drain (ICPR Link Name):	EX8S99_8GW16 / EX8S40E1_8GW16
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	--
Effective Length of French Drain, L (LF):	584.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	292.00
Pipe Thickness (in):	--
Pipe Invert EL. (ft-NAVD):	--
Top of Trench EL. (ft-NAVD):	4.44
Bottom of Trench EL. (ft-NAVD):	1.44
Trench Height, H_T (ft):	3.00
Weir EL. (ft-NAVD):	5.44
Trench Width, W (ft):	3.00
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.05E-03
Depth to Water Table, H_2 (ft):	4.00
Non-Saturated Trench Depth, D_U (ft):	3.00
Saturated Trench Depth, D_S (ft):	0.00
H_2W:	12.00
$2H_2D_U$:	24.00
D_U^2:	9.00
$2H_2D_S$:	0.00
$(1.39x10^{-4})WD_U$:	0.001251
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	16.53
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	N/A
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	Yes
Treatment Volume Provided, V (Ac-ft):	**1.38**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 8

French Drain (ICPR Link Name): EX8S99_8GW16 / EX8S40E1_8GW16
Existing/Proposed: Existing
Pipe Size (in): --
1 /2 Length of French Drain, *L* (LF) * : 146.00
Trench Height, H_T (ft): 3.00
Trench Width, *W* (ft): 3.00

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): 2.050E-03
Pipe Invert EL. (ft-NAVD): --
Top of Trench EL. (ft-NAVD): 4.44
Bottom of Trench EL. (ft-NAVD): 1.44
Weir EL. (ft-NAVD): Lower Grade EL. 5.44
Upstream Structure Rim/Grate EL. (ft-NAVD): 6.87

SHGWT EL. (ft-NAVD): 1.44
Max Stage (ft-NAVD): *6.87*
AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** 2.94

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.44**	3.00	0.00	3.00	0.01845	**2.6937**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**6.87**	3.00	0.00	5.43	0.04834	**7.0575**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.44**	1.50	0.00	1.50	0.00461	**0.6734**	$E = 2Kavg\ D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**6.87**	1.50	0.00	3.93	0.01956	**2.8553**	$E = 2Kavg\ [D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.44**	**2.6937**
1.44	**6.87**	**7.0575**
2.94	**2.94**	**0.0000**
2.94	**4.44**	**0.6734**
2.94	**6.87**	**2.8553**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

DRAINAGE SYSTEM SUMMARY TABLES

Drainage System: ***8***

Summary of Peak Discharges			
Receiving Waterbody:	**Coral Gables Canal**		
PRE-DEVELOPMENT			
ICPR Link:	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
EX8S70_CANAL1	1.89	31.54	4.87
PRE-DEVELOPMENT TOTALS:	**1.89**	**31.54**	**4.87**
POST-DEVELOPMENT			
ICPR Link:	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
EX8S70_CANAL1	8.31	27.92	2.31
POST-DEVELOPMENT TOTALS:	**8.31**	**27.92**	**2.31**
Pre-Post 25yr-72hr Peak Discharge Reduction (cfs):	***3.62***		

Summary of Peak Stages									
				PRE-DEVELOPMENT			**POST-DEVELOPMENT**		
Pond/ Swale/ FD #	**Type: [Wet/Dry, Det./Ret., FD]**	**Disposition [Exist./ Prop./ Modified]**	**Warning EL. [Min. Berm/ Min. EOP] (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**
POND 8E1	Dry Retention	Proposed	5.89	--	--	--	2.98	3.64	3.04
POND 8E2	Dry Retention	Proposed	5.89	--	--	--	3.00	3.97	3.18

Control Structure Summary Table - Proposed Conditions					
Control Structure:	**Disposition [Exist./ Prop./ Modified]**	**Weir Type/ Geometry**	**Weir EL. (ft-NAVD)**	**Bleeder Type/ Geometry**	**Bleeder Invert EL. (ft-NAVD)**
PRCS8S207	Modified	Rised Type H DBI	2.99	--	--

System 9

Pre-Development Land Use Tables
Post-Development Land Use Tables
Water Quality Summary Table
Drainage Calculations
Drainage System Summary Tables

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

PRE-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 9 **SHGWT EL. (ft-NAVD): 1.44**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
9B49_1	10	0.44	0.44	0.44	0.00	0.00	0.00	0.00	0.00	0.00	8.00	6.56	8.18	98.00
9B49_2	10	0.65	0.65	0.36	0.00	0.29	0.00	0.00	0.00	0.00	8.00	6.56	8.18	73.27
9B49_3	10	0.05	0.05	0.00	0.00	0.05	0.00	0.00	0.00	0.00	6.00	4.56	8.18	55.01
9B57	10	0.12	0.12	0.00	0.00	0.12	0.00	0.00	0.00	0.00	6.00	4.56	8.18	55.01
9B87A_1	10	0.73	0.73	0.66	0.00	0.07	0.00	0.00	0.00	0.00	8.00	6.56	8.18	92.73
9B87A_2	10	0.24	0.24	0.04	0.00	0.20	0.00	0.00	0.00	0.00	8.00	6.56	8.18	59.47
9B91A	10	1.34	1.34	1.34	0.00	0.00	0.00	0.00	0.00	0.00	34.00	32.56	8.18	98.00
9B94_1	10	0.68	0.68	0.68	0.00	0.00	0.00	0.00	0.00	0.00	31.00	29.56	8.18	98.00
9B94_2	10	0.10	0.10	0.03	0.00	0.07	0.00	0.00	0.00	0.00	12.00	10.56	8.18	63.59
9B96	10	0.42	0.42	0.42	0.00	0.00	0.00	0.00	0.00	0.00	12.50	11.06	8.18	98.00
9B101_1	10	0.13	0.13	0.03	0.00	0.10	0.00	0.00	0.00	0.00	12.00	10.56	8.18	61.38
9B101_2	10	0.67	0.67	0.67	0.00	0.00	0.00	0.00	0.00	0.00	24.00	22.56	8.18	98.00
9B104	10	3.49	3.49	3.49	0.00	0.00	0.00	0.00	0.00	0.00	10.00	8.56	8.18	98.00
9B110	10	1.72	1.72	1.72	0.00	0.00	0.00	0.00	0.00	0.00	9.00	7.56	8.18	98.00
POND 9E2_1	10	0.23	0.23	0.01	0.00	0.22	0.00	0.00	0.00	0.00	7.00	5.56	8.18	56.11
POND 9E2_2	10	0.18	0.18	0.12	0.00	0.06	0.00	0.00	0.00	0.00	10.00	8.56	8.18	78.58
POND 9E3_1	10	0.26	0.26	0.01	0.00	0.25	0.00	0.00	0.00	0.00	7.00	5.56	8.18	55.98
POND 9E3_2	10	0.18	0.18	0.18	0.00	0.00	0.00	0.00	0.00	0.00	12.00	10.56	8.18	98.00
POND 9E4_1	10	0.39	0.39	0.04	0.00	0.35	0.00	0.00	0.00	0.00	7.00	5.56	8.18	57.67
POND 9E4_2	10	0.06	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	12.50	11.06	8.18	98.00
POND 9E4_3	10	2.01	2.01	2.01	0.00	0.00	0.00	0.00	0.00	0.00	10.00	8.56	8.18	98.00
POND 9E5_1	10	1.14	1.14	0.13	0.00	1.01	0.00	0.00	0.00	0.00	6.00	4.56	8.18	57.99
POND 9E5_2	10	2.49	2.49	2.49	0.00	0.00	0.00	0.00	0.00	0.00	10.00	8.56	8.18	98.00
POND 9E6_1	10	0.20	0.20	0.00	0.00	0.20	0.00	0.00	0.00	0.00	6.00	4.56	8.18	55.01
POND 9E6_2	10	2.92	2.92	2.81	0.00	0.11	0.00	0.00	0.00	0.00	10.00	8.56	8.18	97.02
POND 9W1	10	0.84	0.84	0.40	0.00	0.44	0.00	0.00	0.00	0.00	7.00	5.56	8.18	70.01
POND 9W2	10	0.51	0.51	0.08	0.00	0.43	0.00	0.00	0.00	0.00	7.00	5.56	8.18	59.19
POND 9W3	10	0.57	0.57	0.05	0.00	0.52	0.00	0.00	0.00	0.00	7.00	5.56	8.18	57.27
POND 9W4	10	0.23	0.23	0.00	0.00	0.23	0.00	0.00	0.00	0.00	7.00	5.56	8.18	55.01
POND 9W5_1	10	1.06	1.06	0.04	0.00	1.02	0.00	0.00	0.00	0.00	6.00	4.56	8.18	55.96
POND 9W5_2	10	0.93	0.93	0.93	0.00	0.00	0.00	0.00	0.00	0.00	8.00	6.56	8.18	98.00
9B01-OFFSITE	10	0.44	0.00	0.00	0.00	0.00	0.44	0.06	0.00	0.38	6.00	4.56	8.18	58.61
9B02-OFFSITE	10	0.21	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.21	6.00	4.56	8.18	55.01
9B03-OFFSITE	10	5.73	0.00	0.00	0.00	0.00	5.73	4.58	0.00	1.15	7.00	5.56	8.18	85.95
9B04-OFFSITE	10	6.39	0.00	0.00	0.00	0.00	6.39	5.11	0.00	1.28	7.00	5.56	8.18	85.95
9B05-OFFSITE	10	2.84	0.00	0.00	0.00	0.00	2.84	2.27	0.00	0.57	7.50	6.06	8.18	85.95
9B06-OFFSITE	10	5.16	0.00	0.00	0.00	0.00	5.16	4.13	0.00	1.03	7.50	6.06	8.18	85.95
9B07-OFFSITE	10	2.95	0.00	0.00	0.00	0.00	2.95	2.36	0.00	0.59	7.50	6.06	8.18	85.95
9B08-OFFSITE	10	5.71	0.00	0.00	0.00	0.00	5.71	4.57	0.00	1.14	7.50	6.06	8.18	85.95
9B09-OFFSITE	10	0.79	0.00	0.00	0.00	0.00	0.79	0.63	0.00	0.16	7.50	6.06	8.18	85.95
9B10-OFFSITE	10	0.03	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03	7.00	5.56	8.18	55.01
9B11-OFFSITE	10	0.04	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.04	7.00	5.56	8.18	55.01
9B12-OFFSITE	10	0.09	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.09	7.00	5.56	8.18	55.01
9B13-OFFSITE	10	0.09	0.00	0.00	0.00	0.00	0.09	0.04	0.00	0.05	7.50	6.06	8.18	68.76
9B14-OFFSITE	10	0.85	0.00	0.00	0.00	0.00	0.85	0.54	0.00	0.31	8.50	7.06	8.18	77.03
BASIN TOTALS		56.30	24.98	19.24	0.00	5.74	31.32	24.30	0.00	7.02	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 9 **SHGWT EL. (ft-NAVD): 1.44**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
9B49_1	10	0.59	0.59	0.55	0.00	0.04	0.00	0.00	0.00	0.00	8.00	6.56	8.18	94.75
9B49_2	10	0.69	0.69	0.52	0.00	0.17	0.00	0.00	0.00	0.00	8.00	6.56	8.18	83.23
9B49_3	10	0.03	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.00	6.00	4.56	8.18	55.01
9B57	10	0.12	0.12	0.00	0.00	0.12	0.00	0.00	0.00	0.00	6.00	4.56	8.18	55.01
9B87A_1	10	0.73	0.73	0.00	0.00	0.73	0.00	0.00	0.00	0.00	8.00	6.56	8.18	55.01
9B87A_2	10	0.27	0.27	0.11	0.00	0.16	0.00	0.00	0.00	0.00	8.00	6.56	8.18	67.36
9B91A	10	0.46	0.46	0.46	0.00	0.00	0.00	0.00	0.00	0.00	34.00	32.56	8.18	98.00
9B94_1	10	0.49	0.49	0.49	0.00	0.00	0.00	0.00	0.00	0.00	31.00	29.56	8.18	98.00
9B96	10	0.51	0.51	0.51	0.00	0.00	0.00	0.00	0.00	0.00	12.50	11.06	8.18	98.00
9B101_2	10	0.49	0.49	0.49	0.00	0.00	0.00	0.00	0.00	0.00	24.00	22.56	8.18	98.00
9B104	10	0.64	0.64	0.64	0.00	0.00	0.00	0.00	0.00	0.00	10.00	8.56	8.18	98.00
9B110	10	0.97	0.97	0.97	0.00	0.00	0.00	0.00	0.00	0.00	9.00	7.56	8.18	98.00
9B201	10	0.44	0.44	0.44	0.00	0.00	0.00	0.00	0.00	0.00	34.00	32.56	8.18	98.00
9B202	10	0.47	0.47	0.47	0.00	0.00	0.00	0.00	0.00	0.00	34.00	32.56	8.18	98.00
9B203	10	0.46	0.46	0.46	0.00	0.00	0.00	0.00	0.00	0.00	30.00	28.56	8.18	98.00
9B204	10	0.49	0.49	0.49	0.00	0.00	0.00	0.00	0.00	0.00	30.00	28.56	8.18	98.00
9B205	10	0.46	0.46	0.46	0.00	0.00	0.00	0.00	0.00	0.00	25.00	23.56	8.18	98.00
9B206	10	0.49	0.49	0.49	0.00	0.00	0.00	0.00	0.00	0.00	25.00	23.56	8.18	98.00
9B207	10	0.28	0.28	0.28	0.00	0.00	0.00	0.00	0.00	0.00	18.00	16.56	8.18	98.00
9B208	10	0.30	0.30	0.30	0.00	0.00	0.00	0.00	0.00	0.00	18.00	16.56	8.18	98.00
9B209	10	0.31	0.31	0.31	0.00	0.00	0.00	0.00	0.00	0.00	13.00	11.56	8.18	98.00
9B210	10	0.86	0.86	0.86	0.00	0.00	0.00	0.00	0.00	0.00	10.00	8.56	8.18	98.00
9B211	10	0.76	0.76	0.76	0.00	0.00	0.00	0.00	0.00	0.00	10.00	8.56	8.18	98.00
9B212	10	0.71	0.71	0.71	0.00	0.00	0.00	0.00	0.00	0.00	10.00	8.56	8.18	98.00
9B213	10	0.50	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	8.00	6.56	8.18	98.00
POND 9E2_1	10	0.43	0.43	0.03	0.00	0.40	0.00	0.00	0.00	0.00	7.00	5.56	8.18	56.79
POND 9E2_2	10	0.22	0.22	0.22	0.00	0.00	0.00	0.00	0.00	0.00	10.00	8.56	8.18	98.00
POND 9E3_2	10	0.21	0.21	0.21	0.00	0.00	0.00	0.00	0.00	0.00	12.00	10.56	8.18	98.00
POND 9E4_1	10	0.39	0.39	0.04	0.00	0.35	0.00	0.00	0.00	0.00	7.00	5.56	8.18	57.67
POND 9E4_2	10	0.06	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	12.50	11.06	8.18	98.00
POND 9E4_3	10	1.50	1.50	1.50	0.00	0.00	0.00	0.00	0.00	0.00	10.00	8.56	8.18	98.00
POND 9E5_1	10	1.09	1.09	0.10	0.00	0.99	0.00	0.00	0.00	0.00	6.00	4.56	8.18	57.38
POND 9E5_2	10	0.91	0.91	0.91	0.00	0.00	0.00	0.00	0.00	0.00	10.00	8.56	8.18	98.00
POND 9E5_3	10	1.35	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	12.00	10.56	8.18	98.00
POND 9E6_1	10	0.19	0.19	0.00	0.00	0.19	0.00	0.00	0.00	0.00	6.00	4.56	8.18	55.01
POND 9E6_2	10	2.19	2.19	2.08	0.00	0.11	0.00	0.00	0.00	0.00	10.00	8.56	8.18	96.06
POND 9E6_3	10	1.03	1.03	1.03	0.00	0.00	0.00	0.00	0.00	0.00	10.00	8.56	8.18	98.00
POND 9W1	10	0.79	0.79	0.35	0.00	0.44	0.00	0.00	0.00	0.00	7.00	5.56	8.18	68.71
POND 9W2_1	10	0.83	0.83	0.15	0.00	0.68	0.00	0.00	0.00	0.00	7.00	5.56	8.18	59.88
POND 9W2_2	10	0.68	0.68	0.68	0.00	0.00	0.00	0.00	0.00	0.00	11.00	9.56	8.18	98.00
POND 9W2_3	10	0.39	0.39	0.39	0.00	0.00	0.00	0.00	0.00	0.00	11.00	9.56	8.18	98.00
POND 9W5_1	10	1.42	1.42	0.00	0.00	1.42	0.00	0.00	0.00	0.00	6.00	4.56	8.18	55.01
POND 9W5_2	10	0.97	0.97	0.97	0.00	0.00	0.00	0.00	0.00	0.00	8.00	6.56	8.18	98.00
9B01-OFFSITE	10	0.44	0.00	0.00	0.00	0.00	0.44	0.06	0.00	0.38	6.00	4.56	8.18	58.61
9B02-OFFSITE	10	0.21	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.21	6.00	4.56	8.18	55.01
9B03-OFFSITE	10	5.73	0.00	0.00	0.00	0.00	5.73	4.58	0.00	1.15	7.00	5.56	8.18	85.95
9B04-OFFSITE	10	6.38	0.00	0.00	0.00	0.00	6.38	5.10	0.00	1.28	7.00	5.56	8.18	85.95
9B05-OFFSITE	10	2.47	0.00	0.00	0.00	0.00	2.47	1.98	0.00	0.49	7.50	6.06	8.18	85.95
9B06-OFFSITE	10	4.94	0.00	0.00	0.00	0.00	4.94	3.95	0.00	0.99	7.50	6.06	8.18	85.95
9B07-OFFSITE	10	2.50	0.00	0.00	0.00	0.00	2.50	2.00	0.00	0.50	7.50	6.06	8.18	85.95
9B08-OFFSITE	10	5.21	0.00	0.00	0.00	0.00	5.21	4.17	0.00	1.04	7.50	6.06	8.18	85.95
9B09-OFFSITE	10	0.20	0.00	0.00	0.00	0.00	0.20	0.16	0.00	0.04	7.50	6.06	8.18	85.95
9B10-OFFSITE	10	0.03	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03	7.00	5.56	8.18	55.01
9B11-OFFSITE	10	0.04	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.04	7.00	5.56	8.18	55.01
9B12-OFFSITE	10	0.09	0.00	0.00		0.00	0.09	0.00	0.00	0.09	7.00	5.56	8.18	55.01
9B13-OFFSITE	10	0.09	0.00	0.00	`	0.00	0.09	0.04	0.00	0.05	7.50	6.06	8.18	#VALUE!
9B14-OFFSITE	10	0.85	0.00	0.00	0.00	0.00	0.85	0.54	0.00	0.31	8.50	7.06	8.18	77.03
BASIN TOTALS		56.35	27.17	21.34	0.00	5.83	29.18	22.58	0.00	6.60	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY SUMMARY

Drainage System: ***9***

SYSTEM	SHGWT EL. (ft-NAVD)	TOTAL ONSITE AREA (Ac.) *[POST-DEV.]*	ONSITE IMPERVIOUS AREA (Ac.) *[POST-DEV.]*	ONSITE PERVIOUS AREA (Ac.) *[POST-DEV.]*	SFWMD 1" OVER TOTAL ONSITE AREA (Ac-ft)	SFWMD 2.5" OVER IMPERVIOUS AREA (Ac-ft)	[1] SFWMD WATER QUALITY TREATMENT REQUIRED FOR RETENTION (Ac-ft)	[2] DRER WATER QUALITY TREATMENT REQUIRED (Ac-ft)	[3] DRY- / WET-RETENTION TREATMENT VOLUME PROVIDED (Ac-ft)	FRENCH DRAIN TREATMENT VOLUME PROVIDED (Ac-ft)	TOTAL TREATMENT VOLUME PROVIDED (Ac-ft)	SFWMD SURPLUS TREATMENT VOLUME PROVIDED (Ac-ft)
9	1.44	27.17	21.34	5.83	2.26	4.45	**4.45**	**3.54**	1.68	7.79	**9.47**	**5.03**
SYSTEM TOTAL	1.44	27.17	21.34	5.83	2.26	4.45	**4.45**	**3.54**	1.68	7.79	**9.47**	**5.03**

[1] 2.5" over Additional Impervious Area.

[2] See next page for water quality calculations by Miami-Dade Department of Regulatory and Economic Resources (DRER).

[3] Multiplied by 2 to account for 50% retention volume credit.

POND 9E2			POND 9E4 (EXISTING)			POND 9E5			POND 9E6		
TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.44	0.14		2.44	0.04		2.44	0.33		2.44	0.07	
2.99	***0.15***	***0.08***	***2.99***	***0.05***	***0.02***	***2.99***	***0.35***	***0.19***	***2.99***	***0.08***	***0.04***
3.44	0.16	0.15	3.44	0.05	0.05	3.44	0.36	0.35	3.44	0.08	0.08
4.44	0.18	0.32	4.44	0.07	0.11	4.44	0.38	0.72	4.44	0.10	0.17
5.44	0.20	0.51	5.44	0.08	0.18	5.44	0.40	1.11	5.44	0.11	0.27
			6.44	0.09	0.27						
			6.94	0.10	0.31						

POND 9W2			POND 9W5		
TYPE:	Atenuation		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.44	0.14		2.44	0.76	
2.99	***0.15***	***0.08***	***2.99***	***0.81***	***0.43***
3.44	0.15	0.15	3.44	0.85	*0.81*
4.44	0.17	0.31	4.44	0.93	*1.70*
5.44	0.18	0.48	5.44	1.02	*2.67*
6.44	0.20	0.67	6.44	1.10	*3.73*
7.44	0.22	0.88	7.44	1.19	*4.88*
8.44	0.24	1.11			
8.70	0.25	1.17			

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY CALCULATIONS BY DRER

Drainage System: 9

AREA:

Onsite Impervious	**21.34**	Ac.	79%
Onsite Pervious	**5.83**	Ac.	21%
Total Area	**27.17**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.77 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV}) / A_T = \mathbf{0.77}$$

$t_{1"}$ = 12.05 min.

TOTAL TIME OF CONCENTRATION (T_T)

$T_T = t_{1"} + Tc =$ 22.05 min.

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.56 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ CiA\ T_T =$ **154291.81 cf** **3.54 ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

VARIABLE GROUNDWATER CALCULATIONS

Drainage System: **9**

Stage = DHW + [PRG x (RF - DHW)]
See ADICPR Technical Design Guide 2-25

Elevation Conversion:	-1.56	ft.	(NGVD-NAVD)

DHW =	3.00	ft. - NGVD	Design High Water / October Average Groundwater Elevation
	1.44	ft. - NAVD	(MD PWD - W.C. 2.2)
RF =	4.50	ft. - NGVD	Return Frequency Groundwater Elevation / Average Yearly Highest Groundwater Level (AYH) (MD
	2.94	ft. - NAVD	PWD - W.C. 2.1)
PRG=	Variable		(Percentage Rise in Groundwater)

24HR DESIGN STORM DURATION		
TIME	PRG	STAGE
(hrs)	%	(ft-NAVD)
0.00	0.00	1.44
1.00	0.01	1.46
2.00	0.03	1.49
3.00	0.06	1.53
4.00	0.09	1.58
5.00	0.12	1.62
6.00	0.16	1.68
7.00	0.20	1.74
8.00	0.24	1.80
9.00	0.30	1.89
10.00	0.36	1.98
11.00	0.44	2.10
12.00	0.54	2.25
13.00	0.61	2.36
14.00	0.67	2.45
15.00	0.73	2.54
16.00	0.78	2.61
17.00	0.82	2.67
18.00	0.86	2.73
19.00	0.90	2.79
20.00	0.93	2.84
21.00	0.96	2.88
22.00	0.98	2.91
23.00	0.99	2.93
24.00	1.00	2.94
36.00	0.00	1.44

72HR DESIGN STORM DURATION		
TIME	PRG	STAGE
(hrs)	%	(ft-NAVD)
0.00	0.00	1.44
24.00	0.11	1.60
36.00	0.19	1.72
48.00	0.26	1.84
49.00	0.27	1.85
50.00	0.28	1.86
51.00	0.29	1.87
52.00	0.30	1.89
53.00	0.31	1.90
54.00		1.44
55.00	0.34	1.96
56.00		1.44
57.00	0.39	2.03
57.50	0.40	2.05
58.00	0.42	2.07
58.50	0.44	2.10
59.00	0.46	2.13
59.50	0.50	2.19
60.00	0.75	2.56
60.50	0.80	2.64
61.00	0.83	2.68
61.50	0.85	2.71
62.00	0.87	2.74
62.50	0.88	2.76
63.00	0.89	2.77
64.00	0.91	2.81
65.00	0.92	2.83
66.00	0.94	2.85
68.00	0.96	2.89
70.00	0.98	2.91
72.00	1.00	2.94
108.00	0.00	1.44

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

VARIABLE TAILWATER *

Drainage System: **9**

24HR DESIGN STORM DURATION		72HR DESIGN STORM DURATION	
TIME (hrs)	**STAGE (ft-NGVD)**	**TIME (hrs)**	**STAGE (ft-NGVD)**
0.00	1.44	0.00	1.44
12.50	2.64	60.50	2.99
24.00	2.64	72.00	2.99
48.00	1.44	96.00	1.44
300.00	1.44	300.00	1.44

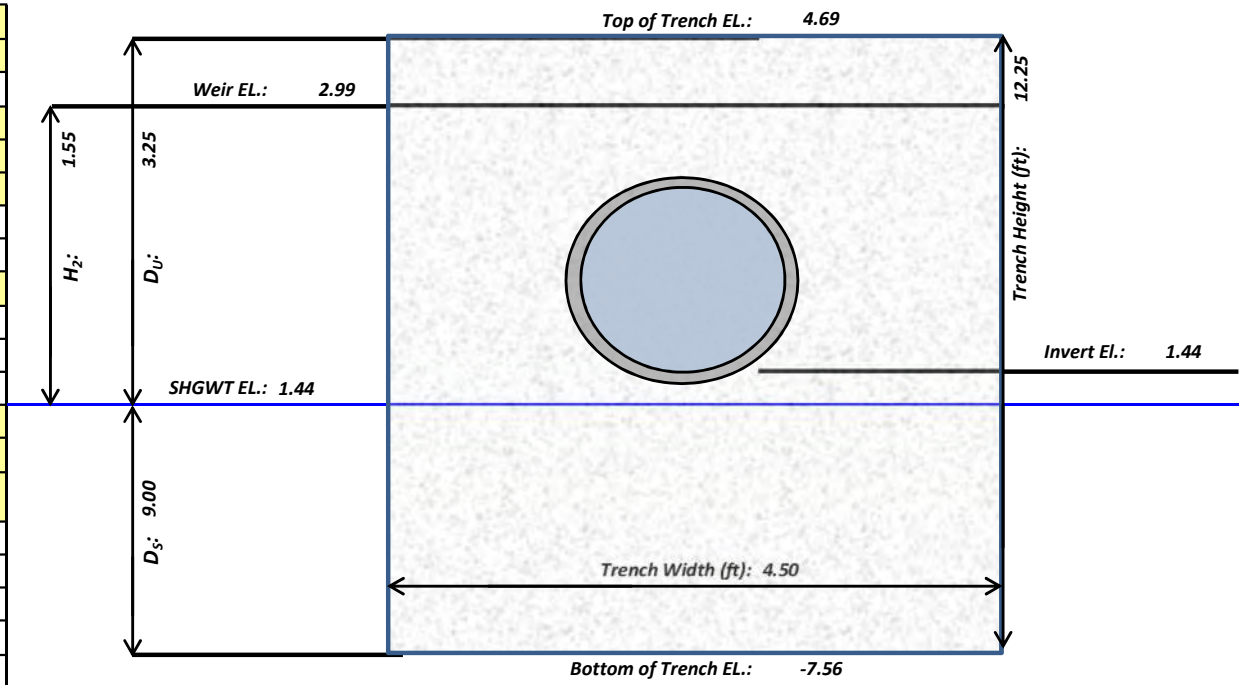
** Per SR-826 Palmetto Expressway (Section 2) from South of Sunset Drive to North of Bird Road - Drainage Report System 5*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 9

French Drain (ICPR Link Name):	EX9S57_9GW1 / EX9S58_9GW1
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	156.5
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	78.25
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.25
Weir EL. (ft-NAVD):	2.99
Trench Width, W (ft):	4.50
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.05E-03
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	10.08
D_U^2:	10.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.002033
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	4.56
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.38**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 9

French Drain (ICPR Link Name):	**EX9S57_9GW1 / EX9S58_9GW1**	**Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head):**	**2.050E-03**	**SHGWT EL. (ft-NAVD):**	**1.44**
Existing/Proposed:	**Existing**			***Max Stage (ft-NAVD):***	***7.44***
Pipe Size (in):	**24**	**Pipe Invert EL. (ft-NAVD):**	**1.44**		
1 /2 Length of French Drain, *L* (LF) * :	**39.13**	**Top of Trench EL. (ft-NAVD):**	**4.69**		
Trench Height, H_T (ft):	**12.25**	**Bottom of Trench EL. (ft-NAVD):**	**-7.56**		
Trench Width, *W* (ft):	**4.50**	**Weir EL. (ft-NAVD):**	**2.99**	**AYH EL. (ft-NAVD)**: Average Yearly Highest Ground Water Level**	**2.94**
** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*		**Upstream Structure Rim/Grate EL. (ft-NAVD):**	**5.14**	** - Per Miami-Dade Public Works Design Standard W.C. 2.1*	

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.69**	3.25	9.00	3.25	0.14158	**5.5392**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**5.8688**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.08162	**3.1932**	$E = 2Kavg\ D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**5.8688**	$E = 2Kavg\ [D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

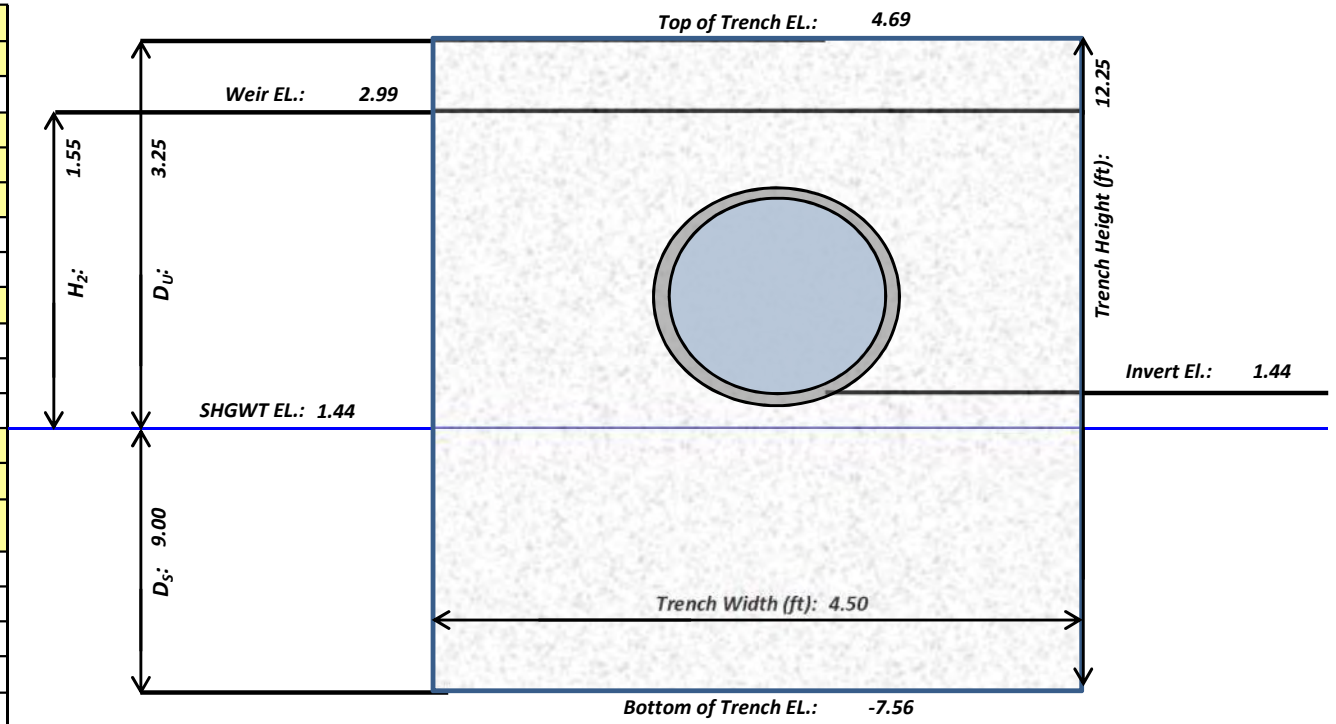
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**5.5392**
1.44	**7.44**	**5.8688**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**3.1932**
2.94	**7.44**	**5.8688**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 9

French Drain (ICPR Link Name):	**EX9S63_9GW2**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	70.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	35.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.25
Weir EL. (ft-NAVD):	2.99
Trench Width, W (ft):	4.50
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.05E-03
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	10.08
D_U^2:	10.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.002033
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	2.04
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.17**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 9

French Drain (ICPR Link Name): EX9S63_9GW2
Existing/Proposed: Existing
Pipe Size (in): 24
Effective Length of French Drain with Safety Factor, L (LF): 35.00
Trench Height, H_T (ft): 12.25
Trench Width, W (ft): 4.50

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): 2.050E-03
Pipe Invert EL. (ft-NAVD): 1.44
Top of Trench EL. (ft-NAVD): 4.69
Bottom of Trench EL. (ft-NAVD): -7.56
Weir EL. (ft-NAVD): 2.99
Upstream Structure Rim/Grate EL. (ft-NAVD): 6.58

SHGWT EL. (ft-NAVD): 1.44
Max Stage (ft-NAVD): *7.44*
AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** 2.94

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.69**	3.25	9.00	3.25	0.14158	**4.9552**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**5.2500**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.08162	**2.8565**	$E = 2Kavg\ D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**5.2500**	$E = 2Kavg\ [D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

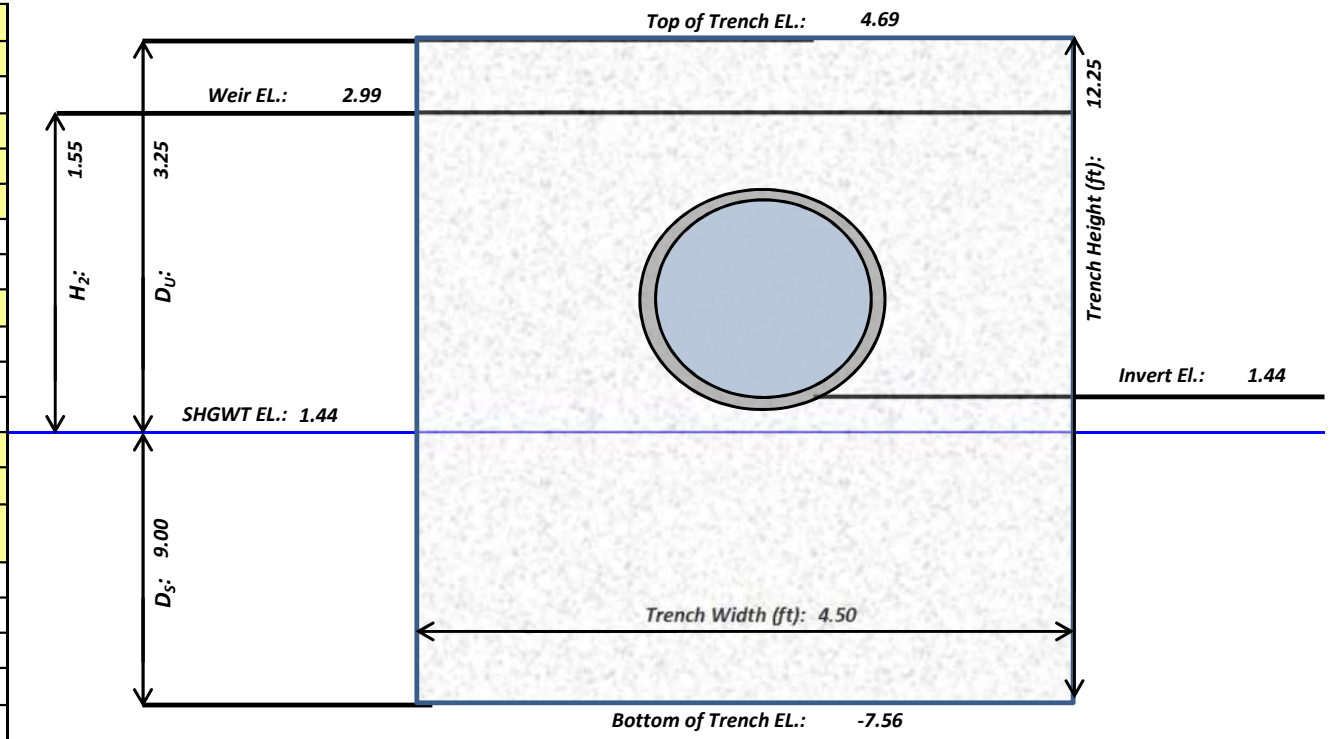
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**4.9552**
1.44	**7.44**	**5.2500**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**2.8565**
2.94	**7.44**	**5.2500**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 9

French Drain (ICPR Link Name):	**EX9S69_9GW3**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.44**
Pipe Size (in):	**24**
Effective Length of French Drain, L (LF):	**131.0**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, L (LF):	**65.50**
Pipe Thickness (in):	**3.00**
Pipe Invert EL. (ft-NAVD):	**1.44**
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.25
Weir EL. (ft-NAVD):	2.99
Trench Width, W (ft):	4.50
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**2.05E-03**
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	10.08
D_U^2:	10.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.002033
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	**N/A**
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	**3.81**
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.32**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 9

French Drain (ICPR Link Name): **EX9S69_9GW3**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Effective Length of French Drain with Safety Factor, L (LF): **65.50**
Trench Height, H_T (ft): **12.25**
Trench Width, W (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head): **2.050E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **4.69**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.99**
Upstream Structure Rim/Grate EL. (ft-NAVD): **6.85**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**2.99**	3.25	9.00	1.55	0.14158	**9.2734**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**9.8250**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.08162	**5.3458**	$E = 2Kavg D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**9.8250**	$E = 2Kavg [D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

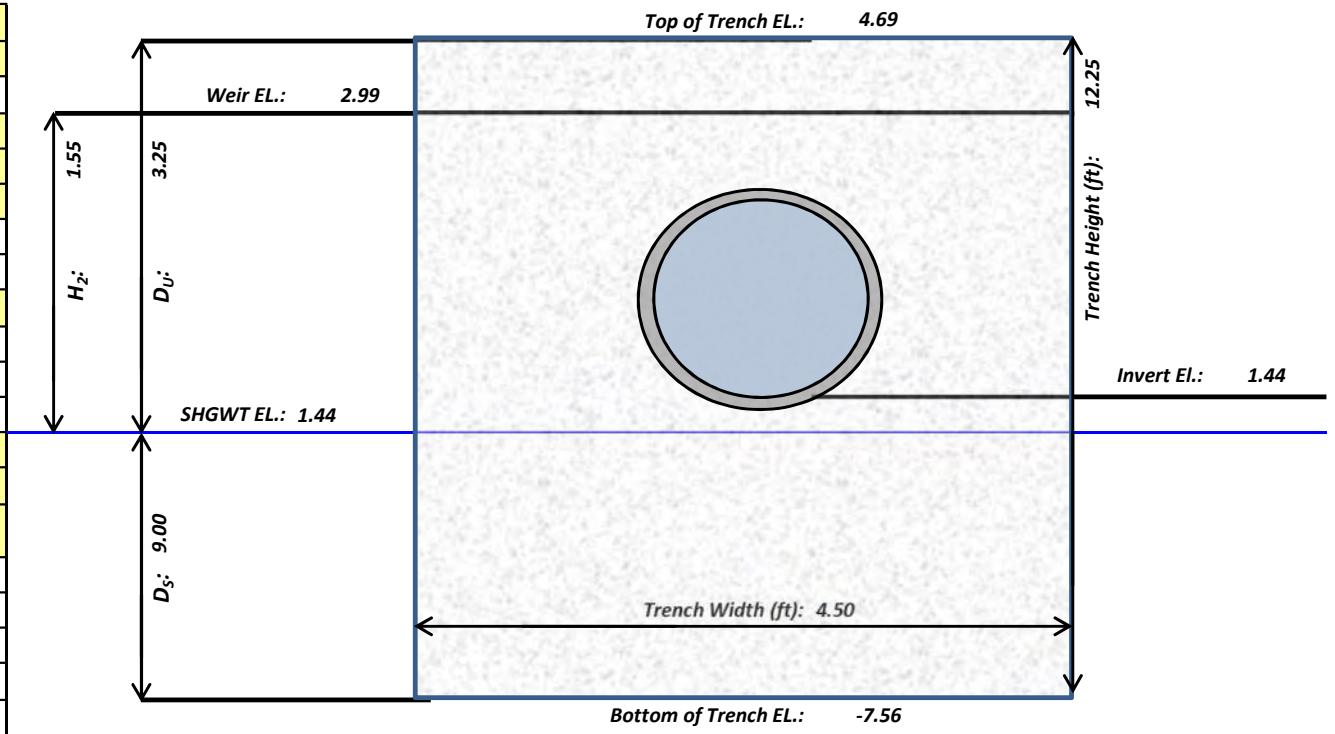
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**9.2734**
1.44	**7.44**	**9.8250**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**5.3458**
2.94	**7.44**	**9.8250**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 9

French Drain (ICPR Link Name):	**EX9S79_9GW4**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	382.5
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	191.25
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.25
Weir EL. (ft-NAVD):	2.99
Trench Width, W (ft):	4.50
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.05E-03
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	10.08
D_U^2:	10.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.002033
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	11.14
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.93**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 9

French Drain (ICPR Link Name): **EX9S79_9GW4**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Effective Length of French Drain with Safety Factor, L (LF): **191.25**
Trench Height, H_T (ft): **12.25**
Trench Width, W (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head): **2.050E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **4.69**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.99**
Upstream Structure Rim/Grate EL. (ft-NAVD): **6.34**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.69**	3.25	9.00	3.25	0.14158	**27.0768**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**28.6875**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.08162	**15.6090**	$E = 2Kavg\, D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**28.6875**	$E = 2Kavg\,[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

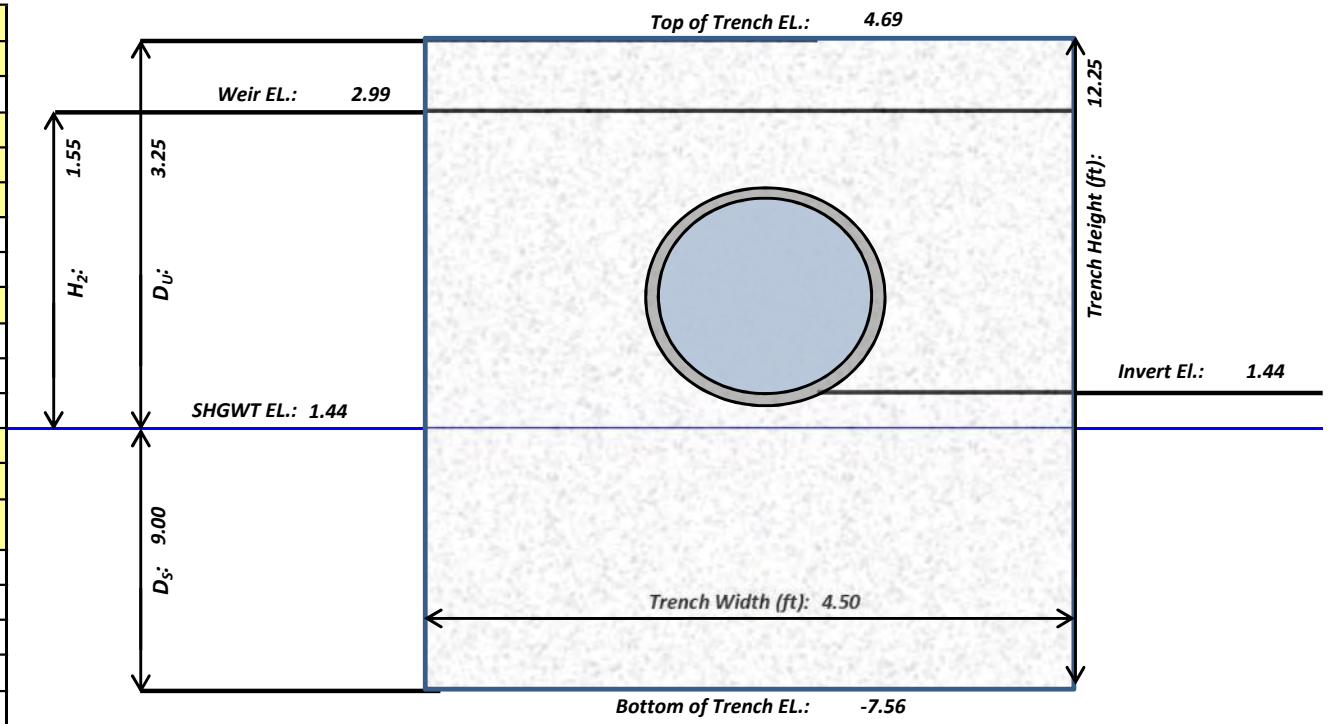
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**27.0768**
1.44	**7.44**	**28.6875**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**15.6090**
2.94	**7.44**	**28.6875**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 9

French Drain (ICPR Link Name):	**EX9S85_9GW5**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.44**
Pipe Size (in):	**24**
Effective Length of French Drain, L (LF):	**88.5**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, L (LF):	**44.25**
Pipe Thickness (in):	**3.00**
Pipe Invert EL. (ft-NAVD):	**1.44**
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.25
Weir EL. (ft-NAVD):	2.99
Trench Width, W (ft):	4.50
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**2.05E-03**
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	10.08
D_U^2:	10.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.002033
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	**N/A**
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	**2.58**
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.21**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 9

French Drain (ICPR Link Name): **EX9S85_9GW5**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Effective Length of French Drain with Safety Factor, L (LF): **44.25**
Trench Height, H_T (ft): **12.25**
Trench Width, W (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.050E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **4.69**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.99**
Upstream Structure Rim/Grate EL. (ft-NAVD): **5.82**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.69**	3.25	9.00	3.25	0.14158	**6.2648**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**6.6375**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.08162	**3.6115**	$E = 2Kavg\ D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**6.6375**	$E = 2Kavg\ [D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

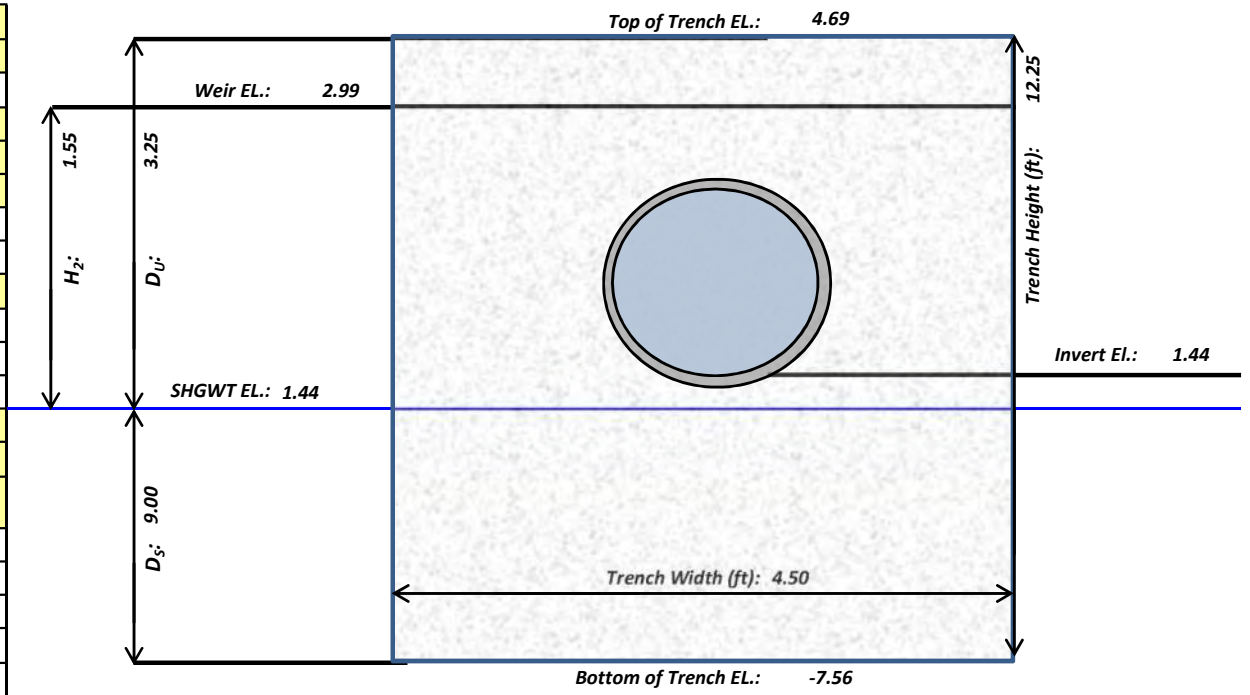
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**6.2648**
1.44	**7.44**	**6.6375**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**3.6115**
2.94	**7.44**	**6.6375**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 9

French Drain (ICPR Link Name):	**EX9S104_9GW6 / EX9S110_9GW6**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.44**
Pipe Size (in):	**24**
Effective Length of French Drain, L (LF):	**436.0**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, L (LF):	**218.00**
Pipe Thickness (in):	**3.00**
Pipe Invert EL. (ft-NAVD):	**1.44**
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.25
Weir EL. (ft-NAVD):	2.99
Trench Width, W (ft):	4.50
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**2.05E-03**
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	10.08
D_U^2:	10.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.002033
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	**N/A**
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	**12.69**
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**1.06**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 9

French Drain (ICPR Link Name): **EX9S104_9GW6 / EX9S110_9GW6**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **109.00**
Trench Height, H_T (ft): **12.25**
Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.050E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **4.69**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.99**
Upstream Structure Rim/Grate EL. (ft-NAVD): **9.18**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.69**	3.25	9.00	3.25	0.14158	**15.4320**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**16.3500**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.08162	**8.8961**	$E = 2Kavg\, D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**16.3500**	$E = 2Kavg\,[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

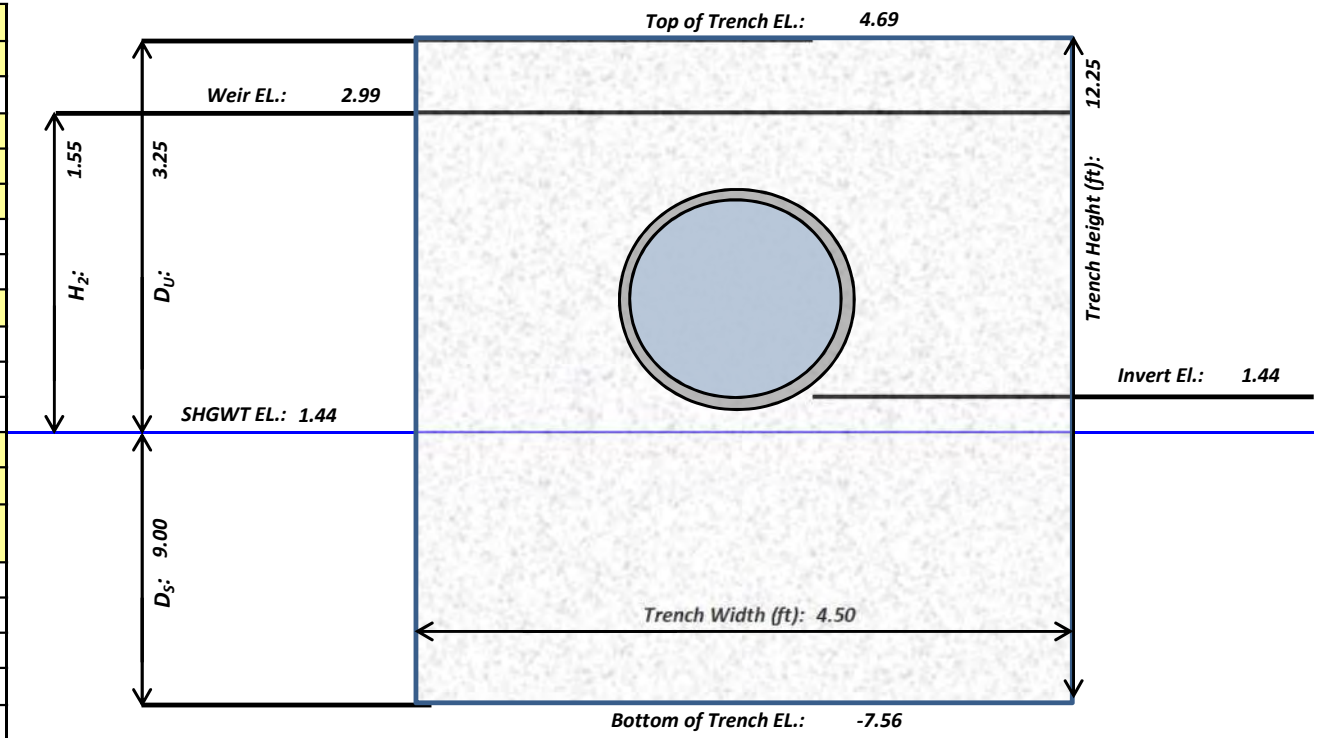
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**15.4320**
1.44	**7.44**	**16.3500**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**8.8961**
2.94	**7.44**	**16.3500**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 9

French Drain (ICPR Link Name):	**EX9S107_9GW7**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.44**
Pipe Size (in):	**24**
Effective Length of French Drain, *L* (LF):	**141.5**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, *L* (LF):	**70.75**
Pipe Thickness (in):	**3.00**
Pipe Invert EL. (ft-NAVD):	**1.44**
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.25
Weir EL. (ft-NAVD):	2.99
Trench Width, *W* (ft):	4.50
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**2.05E-03**
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	10.08
D_U^2:	10.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.002033
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	**N/A**
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	**4.12**
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**0.34**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 9

French Drain (ICPR Link Name):	**EX9S107_9GW7**	**Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head):**	**2.050E-03**	**SHGWT EL. (ft-NAVD):**	**1.44**
Existing/Proposed:	**Existing**			***Max Stage (ft-NAVD):***	***7.44***
Pipe Size (in):	**24**	**Pipe Invert EL. (ft-NAVD):**	**1.44**		
Effective Length of French Drain with Safety Factor, L (LF):	**70.75**	**Top of Trench EL. (ft-NAVD):**	**4.69**		
Trench Height, H_T (ft):	**12.25**	**Bottom of Trench EL. (ft-NAVD):**	**-7.56**		
Trench Width, W (ft):	**4.50**	**Weir EL. (ft-NAVD):**	**2.99**	**AYH EL. (ft-NAVD)**: Average Yearly Highest Ground Water Level**	**2.94**
** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*		**Upstream Structure Rim/Grate EL. (ft-NAVD):**	**5.44**	** - Per Miami-Dade Public Works Design Standard W.C. 2.1*	

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.69**	3.25	9.00	3.25	0.14158	**10.0167**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**10.6125**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.08162	**5.7743**	$E = 2Kavg\ D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**10.6125**	$E = 2Kavg\ [D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**10.0167**
1.44	**7.44**	**10.6125**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**5.7743**
2.94	**7.44**	**10.6125**

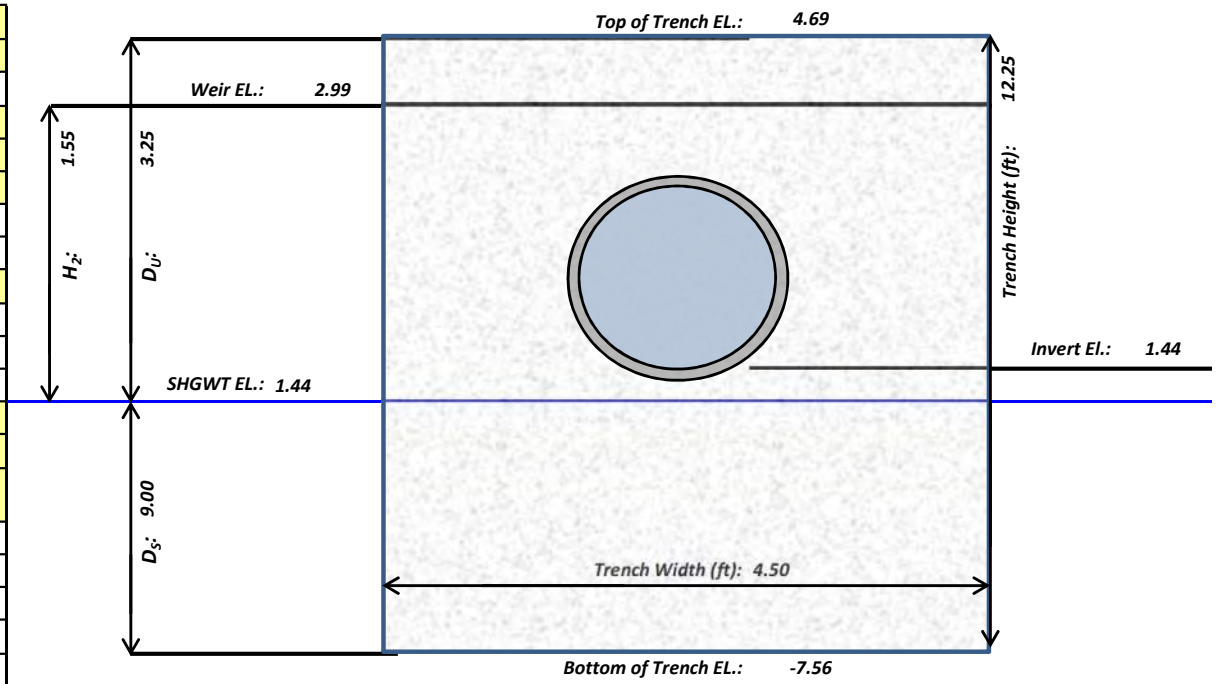
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 9

French Drain (ICPR Link Name):	EX9S113_9GW8 / EX9S116_9GW8
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	234.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	117.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.25
Weir EL. (ft-NAVD):	2.99
Trench Width, W (ft):	4.50
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.05E-03
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	10.08
D_U^2:	10.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.002033
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	6.81
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.57 ***

**Note: FD not considered for water quality purposes*



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 9

French Drain (ICPR Link Name): **EX9S113_9GW8 / EX9S116_9GW8**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **58.50**
Trench Height, H_T (ft): **12.25**
Trench Width, *W* (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.050E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **4.69**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.99**
Upstream Structure Rim/Grate EL. (ft-NAVD): **5.44**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.69**	3.25	9.00	3.25	0.14158	**8.2823**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**8.7750**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.08162	**4.7745**	$E = 2Kavg D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**8.7750**	$E = 2Kavg [D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**8.2823**
1.44	**7.44**	**8.7750**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**4.7745**
2.94	**7.44**	**8.7750**

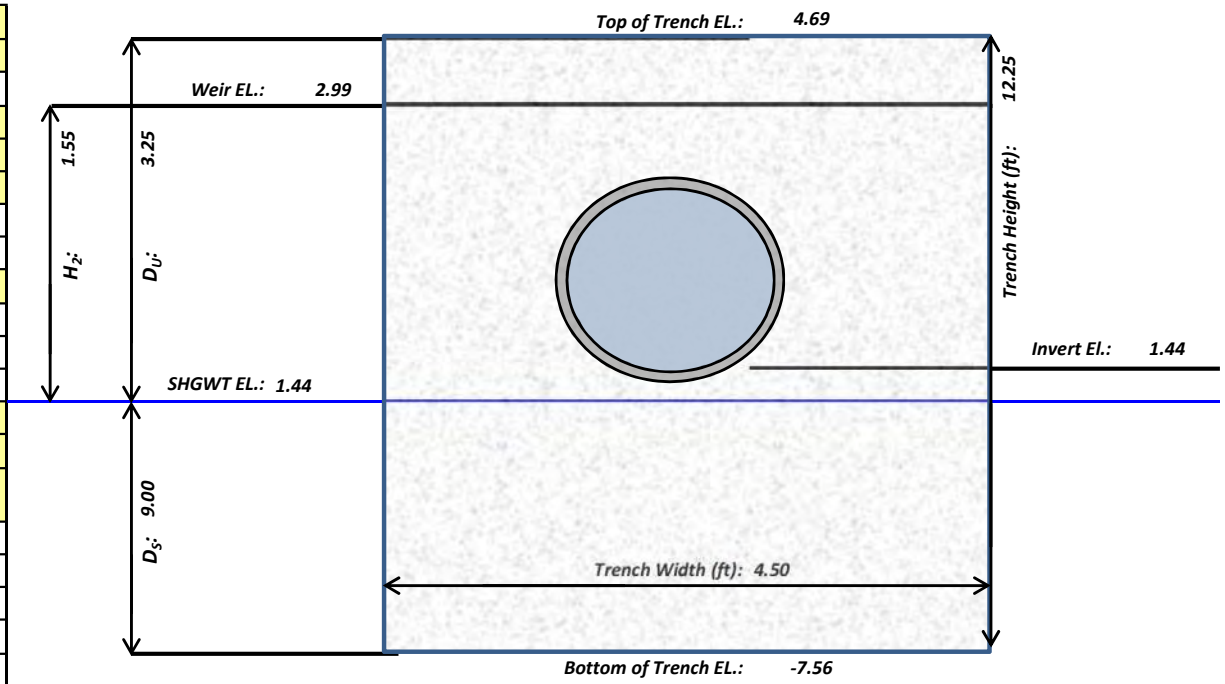
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 9

French Drain (ICPR Link Name):	EX9S116_9GW9 / EX9S117_9GW9
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	169.5
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	84.75
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.25
Weir EL. (ft-NAVD):	2.99
Trench Width, W (ft):	4.50
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.05E-03
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	10.08
D_U^2:	10.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.002033
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	4.93
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.41 ***

**Note: FD not considered for water quality purposes*



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 9

French Drain (ICPR Link Name):	**EX9S116_9GW9 / EX9S117_9GW9**	**Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head):**	**2.050E-03**		-7.56
Existing/Proposed:	**Existing**			**SHGWT EL. (ft-NAVD):**	**1.44**
				Max Stage (ft-NAVD):	***7.44***
Pipe Size (in):	**24**	**Pipe Invert EL. (ft-NAVD):**	**1.44**		
1 /2 Length of French Drain, *L* (LF) * :	**42.38**	**Top of Trench EL. (ft-NAVD):**	**4.69**		
Trench Height, H_T (ft):	**12.25**	**Bottom of Trench EL. (ft-NAVD):**	**-7.56**		
Trench Width, *W* (ft):	**4.50**	**Weir EL. (ft-NAVD):**	**2.99**	**AYH EL. (ft-NAVD)**: Average Yearly Highest Ground Water Level**	**2.94**
** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*		**Upstream Structure Rim/Grate EL. (ft-NAVD):**	**5.44**	** - Per Miami-Dade Public Works Design Standard W.C. 2.1*	

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.69**	3.25	9.00	3.25	0.14158	**5.9994**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**6.3563**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.08162	**3.4585**	$E = 2Kavg\, D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**6.3563**	$E = 2Kavg\,[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

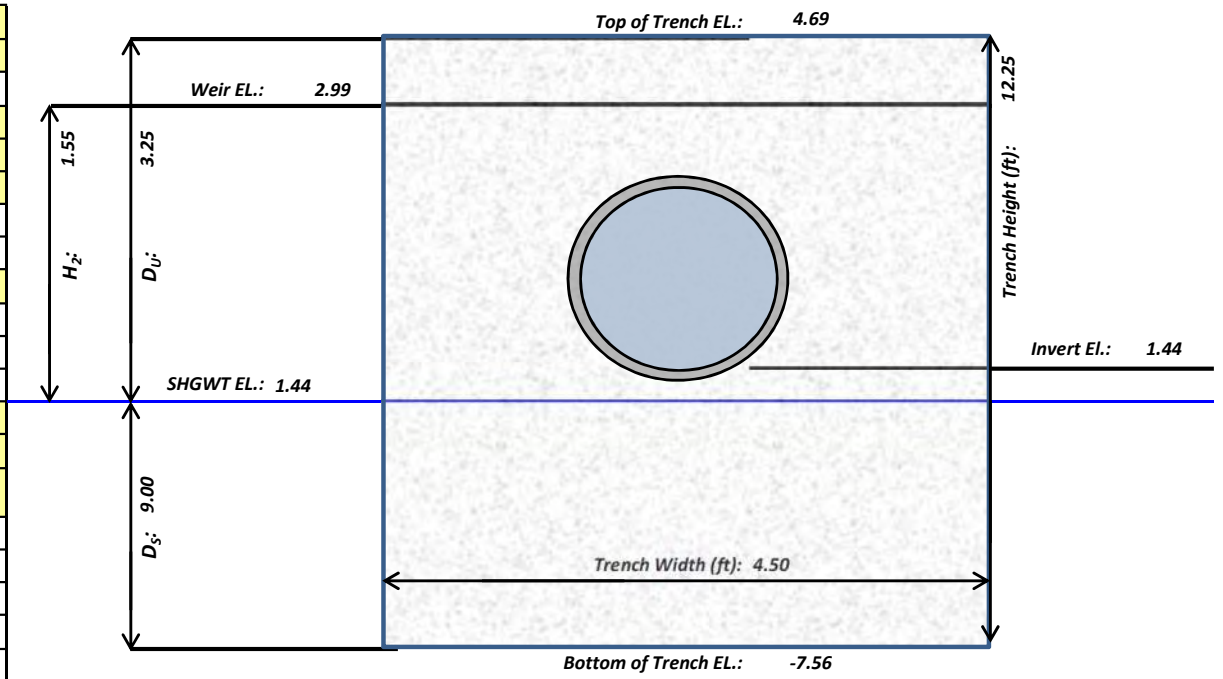
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**5.9994**
1.44	**7.44**	**6.3563**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**3.4585**
2.94	**7.44**	**6.3563**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 9

French Drain (ICPR Link Name):	EX9S119_9GW10 / EX9S125_9GW10
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	659.5
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	329.75
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.25
Weir EL. (ft-NAVD):	2.99
Trench Width, W (ft):	4.50
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.05E-03
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	10.08
D_U^2:	10.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.002033
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	19.20
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**1.60**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 9

French Drain (ICPR Link Name): **EX9S119_9GW10 / EX9S125_9GW10**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **164.88**
Trench Height, H_T (ft): **12.25**
Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.050E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **4.69**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.99**
Upstream Structure Rim/Grate EL. (ft-NAVD): **5.44**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.69**	3.25	9.00	3.25	0.14158	**23.3427**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**24.7313**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.08162	**13.4564**	$E = 2Kavg D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**24.7313**	$E = 2Kavg [D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

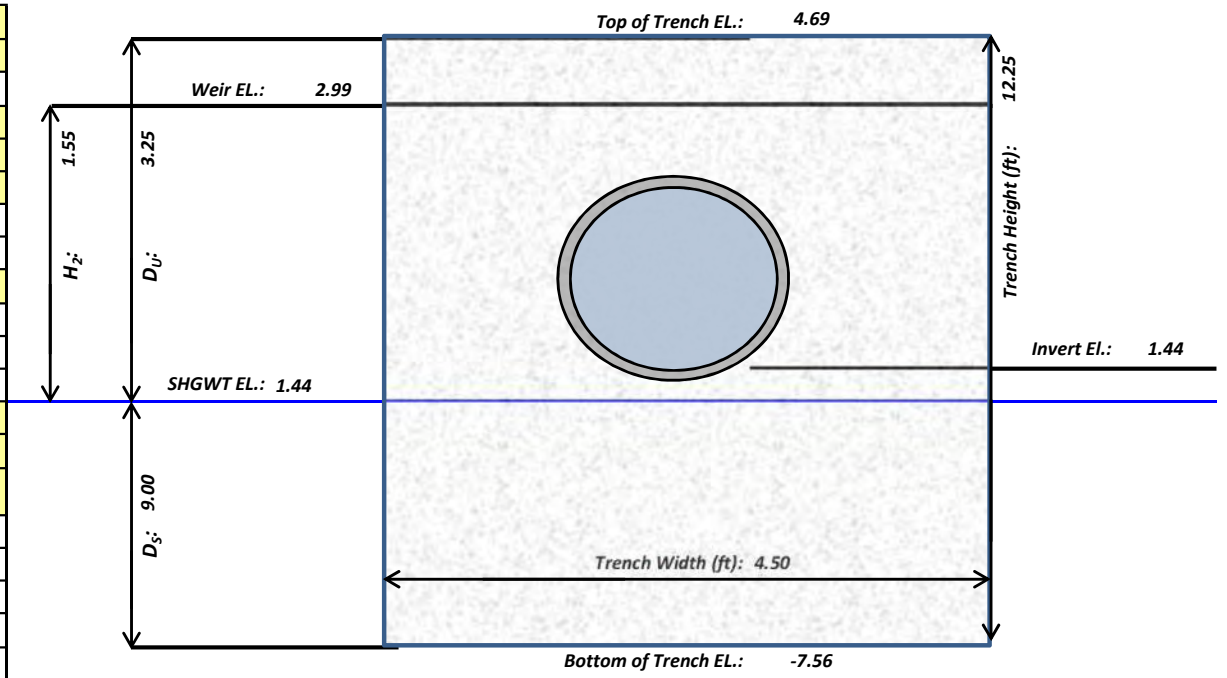
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**23.3427**
1.44	**7.44**	**24.7313**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**13.4564**
2.94	**7.44**	**24.7313**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 9

French Drain (ICPR Link Name):	EX9S87A_9GW11 / EX9S91A_9GW11
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	149.5
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	74.75
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.25
Weir EL. (ft-NAVD):	2.99
Trench Width, W (ft):	4.50
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.05E-03
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	10.08
D_U^2:	10.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.002033
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	4.35
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.36**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 9

French Drain (ICPR Link Name): **EX9S87A_9GW11 / EX9S91A_9GW11**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **37.38**
Trench Height, H_T (ft): **12.25**
Trench Width, *W* (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.050E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **4.69**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.99**
Upstream Structure Rim/Grate EL. (ft-NAVD): **7.14**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.69**	3.25	9.00	3.25	0.14158	**5.2915**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**5.6063**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.08162	**3.0504**	$E = 2Kavg\ D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**5.6063**	$E = 2Kavg\ [D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

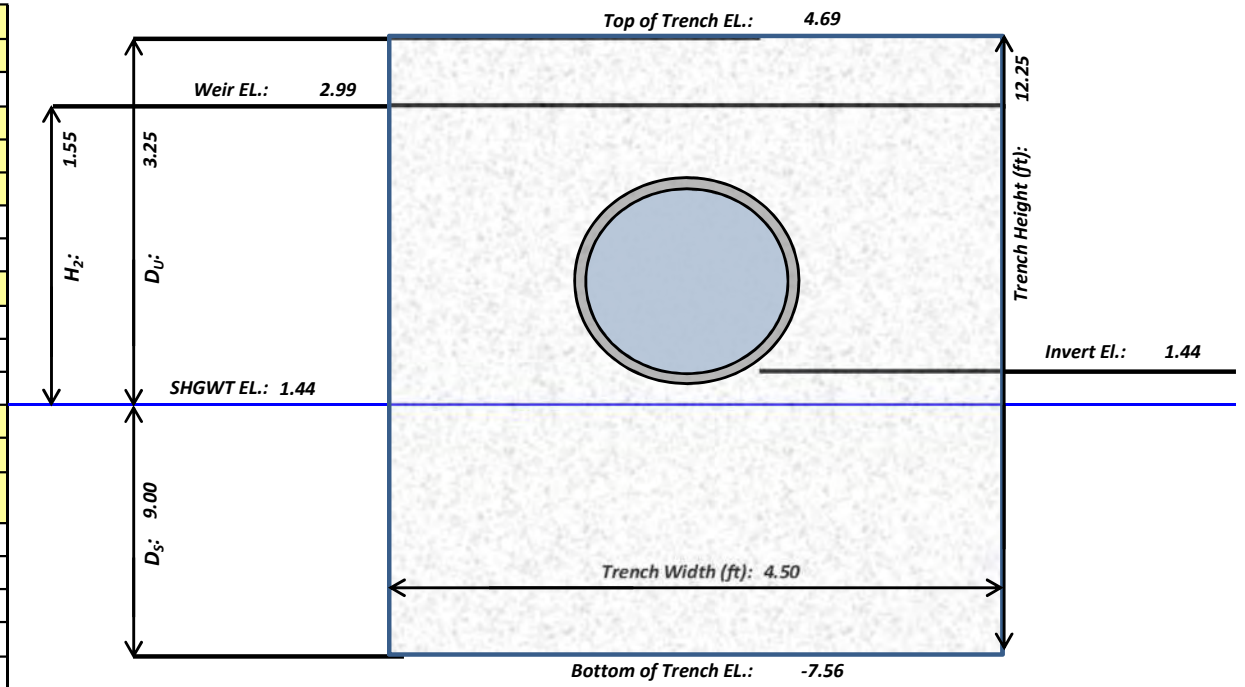
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**5.2915**
1.44	**7.44**	**5.6063**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**3.0504**
2.94	**7.44**	**5.6063**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 9

French Drain (ICPR Link Name):	EX9S91A_9GW12 / EX9S94_9GW12
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	274.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	137.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.25
Weir EL. (ft-NAVD):	2.99
Trench Width, W (ft):	4.50
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.05E-03
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	10.08
D_U^2:	10.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.002033
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	7.98
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.66**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 9

French Drain (ICPR Link Name): **EX9S91A_9GW12 / EX9S94_9GW12**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **68.50**
Trench Height, H_T (ft): **12.25**
Trench Width, *W* (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.050E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **4.69**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.99**
Upstream Structure Rim/Grate EL. (ft-NAVD): **9.76**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual
Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.69**	3.25	9.00	3.25	0.14158	**9.6981**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**10.2750**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.08162	**5.5907**	$E = 2Kavg\ D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**10.2750**	$E = 2Kavg\ [D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

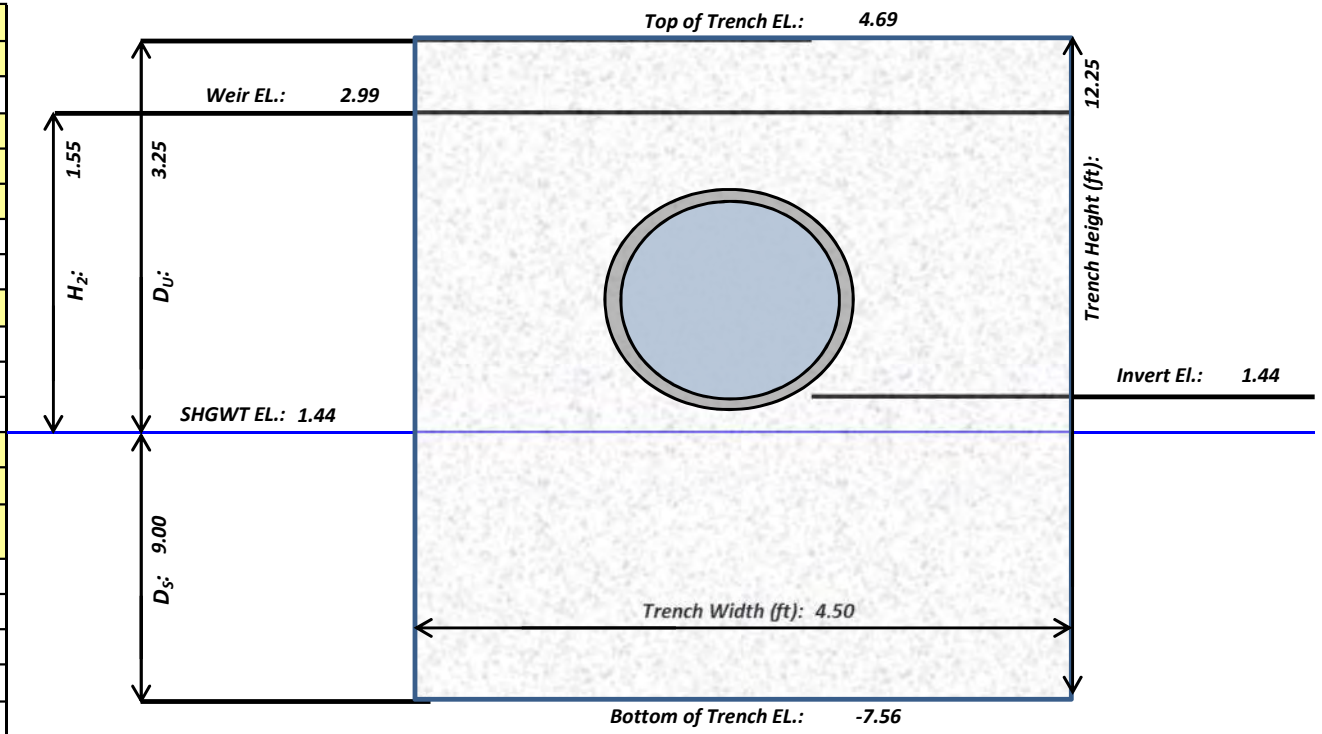
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**9.6981**
1.44	**7.44**	**10.2750**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**5.5907**
2.94	**7.44**	**10.2750**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 9

French Drain (ICPR Link Name):	**EX9S90A_9GW13**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.44**
Pipe Size (in):	**24**
Effective Length of French Drain, *L* (LF):	**70.0**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, *L* (LF):	**35.00**
Pipe Thickness (in):	**3.00**
Pipe Invert EL. (ft-NAVD):	**1.44**
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.25
Weir EL. (ft-NAVD):	2.99
Trench Width, *W* (ft):	4.50
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**2.05E-03**
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	10.08
D_U^2:	10.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.002033
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	**N/A**
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	**2.04**
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**0.17**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 9

French Drain (ICPR Link Name): **EX9S90A_9GW13**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Effective Length of French Drain with Safety Factor, L (LF): **35.00**
Trench Height, H_T (ft): **12.25**
Trench Width, W (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} ($cfs/ft^2/ft$-head): **2.050E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **4.69**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.99**
Upstream Structure Rim/Grate EL. (ft-NAVD): **8.31**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.94**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.69**	3.25	9.00	3.25	0.14158	**4.9552**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**5.2500**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.08162	**2.8565**	$E = 2Kavg\ D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**5.2500**	$E = 2Kavg\ [D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

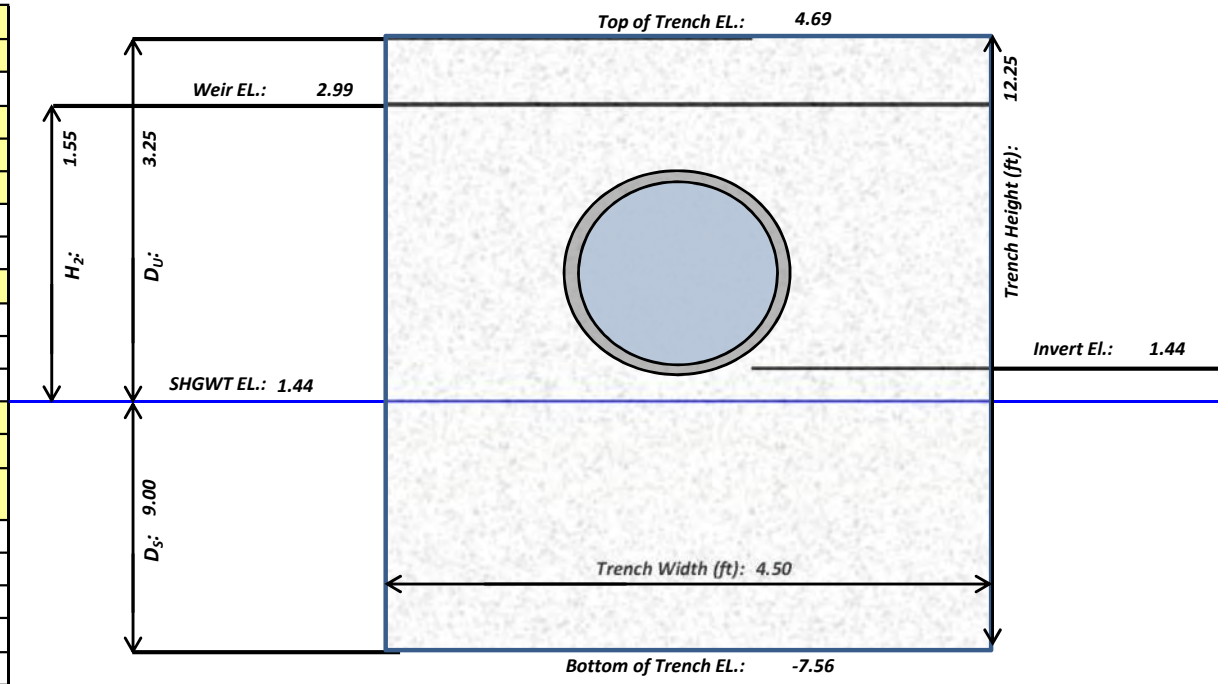
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**4.9552**
1.44	**7.44**	**5.2500**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**2.8565**
2.94	**7.44**	**5.2500**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 9

French Drain (ICPR Link Name):	EX9S90_9GW14 / EX9S96_9GW14
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	384.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	192.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.25
Weir EL. (ft-NAVD):	2.99
Trench Width, W (ft):	4.50
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.05E-03
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	10.08
D_U^2:	10.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.002033
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	11.18
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.93**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 9

French Drain (ICPR Link Name): **EX9S90_9GW14 / EX9S96_9GW14**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **96.00**
Trench Height, H_T (ft): **12.25**
Trench Width, *W* (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.050E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **4.69**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.99**
Upstream Structure Rim/Grate EL. (ft-NAVD): **5.44**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.69**	3.25	9.00	3.25	0.14158	**13.5915**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**14.4000**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.08162	**7.8351**	$E = 2Kavg\ D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**14.4000**	$E = 2Kavg\ [D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

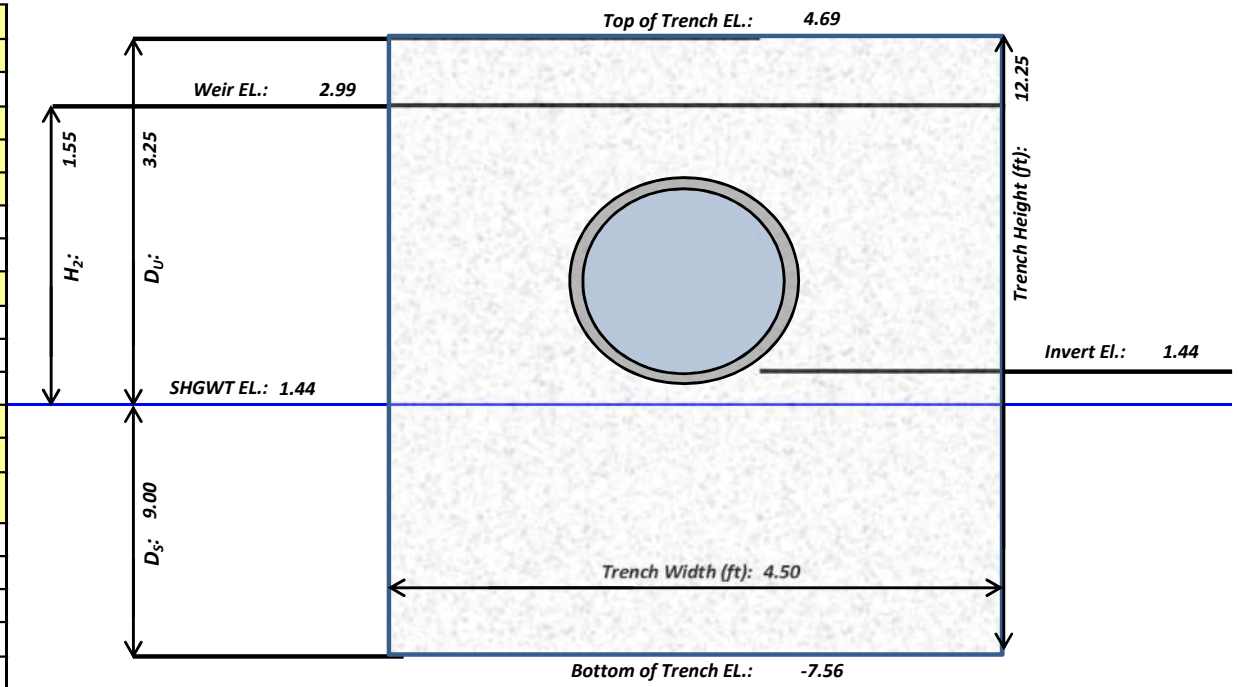
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**13.5915**
1.44	**7.44**	**14.4000**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**7.8351**
2.94	**7.44**	**14.4000**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 9

French Drain (ICPR Link Name):	EX9S49_9GW15 / EX9S55_9GW15
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	221.5
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	110.75
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.25
Weir EL. (ft-NAVD):	2.99
Trench Width, W (ft):	4.50
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.05E-03
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	10.08
D_U^2:	10.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.002033
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	6.45
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.54**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 9

French Drain (ICPR Link Name): **EX9S49_9GW15 / EX9S55_9GW15**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **55.38**
Trench Height, H_T (ft): **12.25**
Trench Width, *W* (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **2.050E-03**
Pipe Invert EL. (ft-NAVD): **1.44**
Top of Trench EL. (ft-NAVD): **4.69**
Bottom of Trench EL. (ft-NAVD): **-7.56**
Weir EL. (ft-NAVD): **2.99**
Upstream Structure Rim/Grate EL. (ft-NAVD): **6.06**

SHGWT EL. (ft-NAVD): **1.44**
Max Stage (ft-NAVD): ***7.44***
AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.94**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.69**	3.25	9.00	3.25	0.14158	**7.8399**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**8.3063**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.08162	**4.5195**	$E = 2Kavg\, D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**8.3063**	$E = 2Kavg\,[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

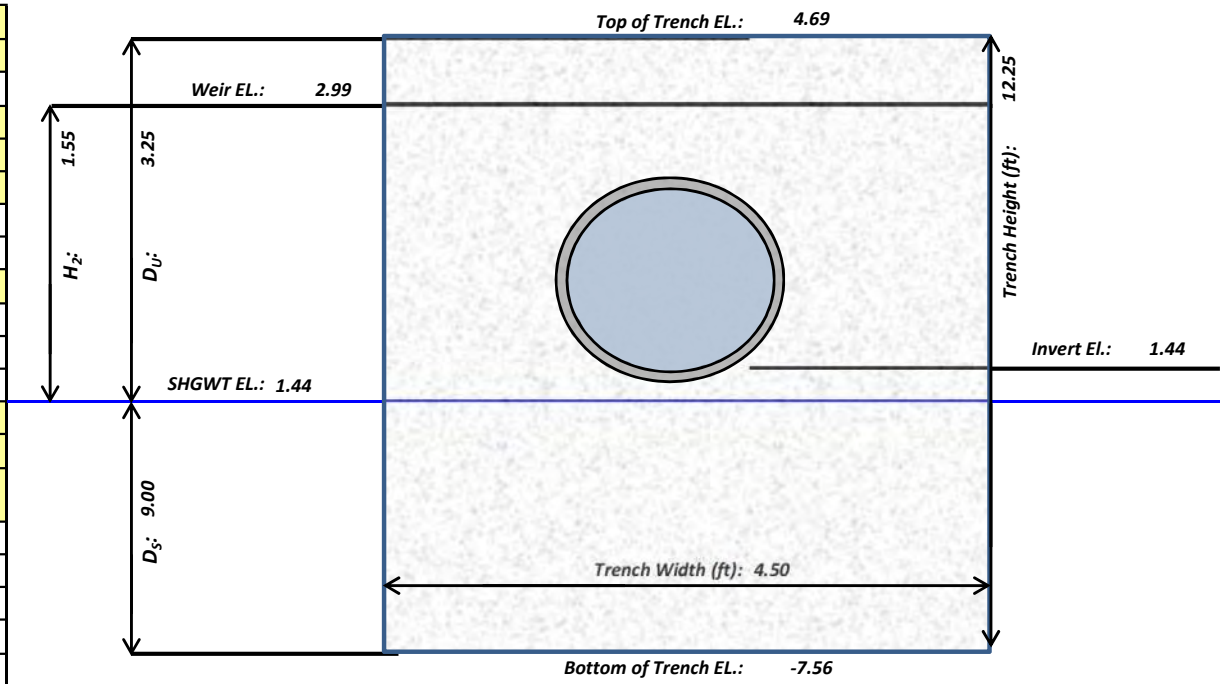
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**7.8399**
1.44	**7.44**	**8.3063**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**4.5195**
2.94	**7.44**	**8.3063**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 9

French Drain (ICPR Link Name):	PR9S207_9GW16/PR9S208_9GW16
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	187.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	93.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.25
Weir EL. (ft-NAVD):	2.99
Trench Width, W (ft):	4.50
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.05E-03
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	10.08
D_U^2:	10.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.002033
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	5.44
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.45**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 9

-7.56

French Drain (ICPR Link Name):	**PR9S207_9GW16/PR9S208_9GW16**	**Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head):**	**2.050E-03**	**SHGWT EL. (ft-NAVD):**	**1.44**
Existing/Proposed:	**Proposed**			***Max Stage (ft-NAVD):***	***7.44***
Pipe Size (in):	**24**	**Pipe Invert EL. (ft-NAVD):**	**1.44**		
1 /2 Length of French Drain, *L* (LF) * :	**46.75**	**Top of Trench EL. (ft-NAVD):**	**4.69**		
Trench Height, H_T (ft):	**12.25**	**Bottom of Trench EL. (ft-NAVD):**	**-7.56**		
Trench Width, *W* (ft):	**4.50**	**Weir EL. (ft-NAVD):**	**2.99**	**AYH EL. (ft-NAVD)**: Average Yearly Highest Ground Water Level**	**2.94**
** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*		**Upstream Structure Rim/Grate EL. (ft-NAVD):**	**5.44**	** - Per Miami-Dade Public Works Design Standard W.C. 2.1*	

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.69**	3.25	9.00	3.25	0.14158	**6.6188**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**7.0125**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.08162	**3.8155**	$E = 2Kavg\, D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**7.0125**	$E = 2Kavg\,[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

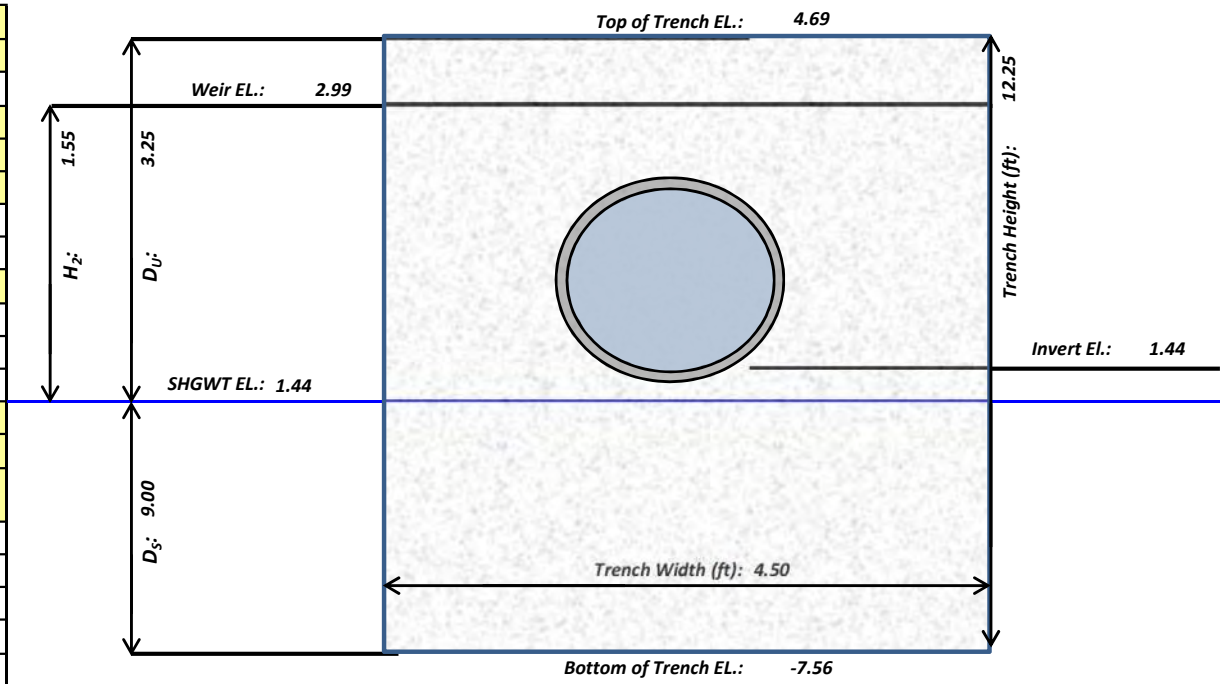
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**6.6188**
1.44	**7.44**	**7.0125**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**3.8155**
2.94	**7.44**	**7.0125**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 9

French Drain (ICPR Link Name):	PR9S210_9GW17/PR9S211_9GW17
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.44
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	520.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	260.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.44
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.25
Weir EL. (ft-NAVD):	2.99
Trench Width, W (ft):	4.50
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	2.05E-03
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	10.08
D_U^2:	10.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.002033
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	15.14
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**1.26**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 9

-7.56

French Drain (ICPR Link Name):	**PR9S210_9GW17/PR9S211_9GW17**	**Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head):**	**2.050E-03**	**SHGWT EL. (ft-NAVD):**	**1.44**
Existing/Proposed:	**Proposed**			***Max Stage (ft-NAVD):***	***7.44***
Pipe Size (in):	**24**	**Pipe Invert EL. (ft-NAVD):**	**1.44**		
1 /2 Length of French Drain, *L* (LF) * :	**130.00**	**Top of Trench EL. (ft-NAVD):**	**4.69**		
Trench Height, H_T (ft):	**12.25**	**Bottom of Trench EL. (ft-NAVD):**	**-7.56**		
Trench Width, *W* (ft):	**4.50**	**Weir EL. (ft-NAVD):**	**2.99**	**AYH EL. (ft-NAVD)**: Average Yearly Highest Ground Water Level**	**2.94**
** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*		**Upstream Structure Rim/Grate EL. (ft-NAVD):**	**5.44**	** - Per Miami-Dade Public Works Design Standard W.C. 2.1*	

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.69**	3.25	9.00	3.25	0.14158	**18.4052**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**19.5000**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.08162	**10.6100**	$E = 2Kavg\, D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**19.5000**	$E = 2Kavg\,[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

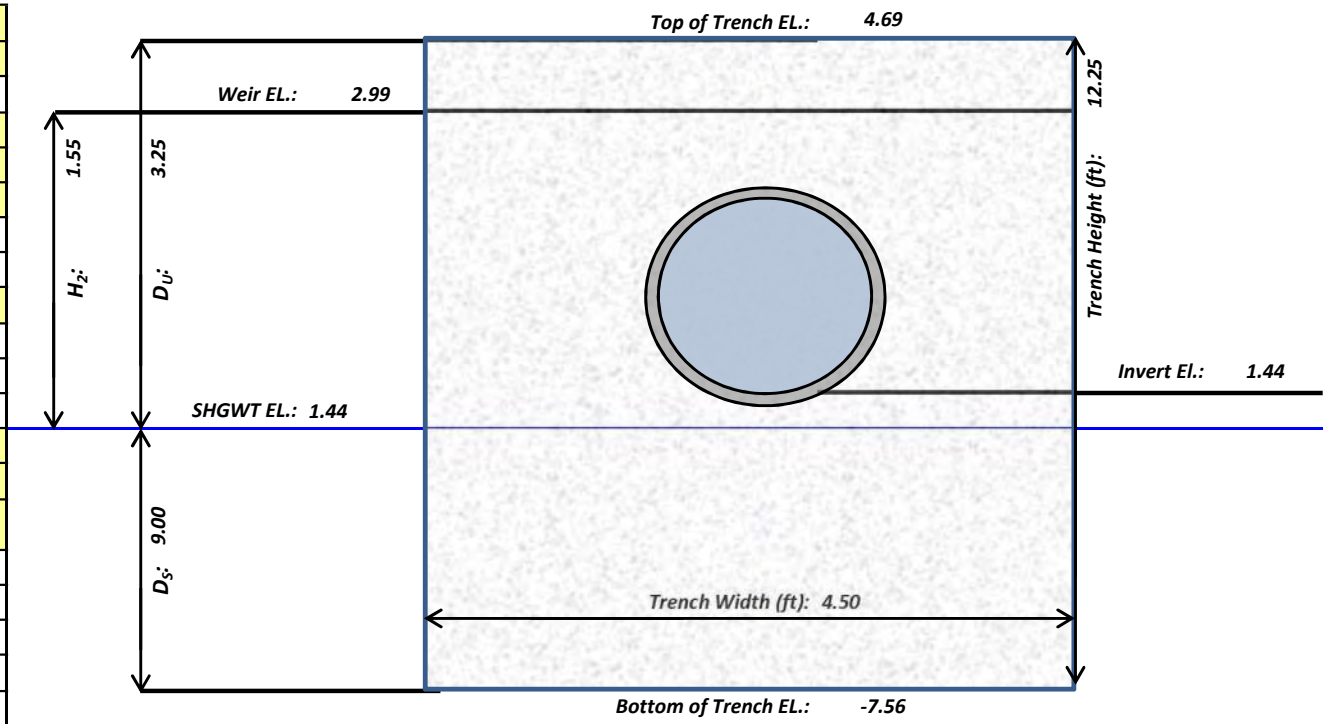
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**18.4052**
1.44	**7.44**	**19.5000**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**10.6100**
2.94	**7.44**	**19.5000**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 9

French Drain (ICPR Link Name):	**PR9S213_9GW18**
Existing/Proposed:	**Proposed**
SHGWT EL. (ft-NAVD):	**1.44**
Pipe Size (in):	**24**
Effective Length of French Drain, L (LF):	**184.0**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, L (LF):	**92.00**
Pipe Thickness (in):	**3.00**
Pipe Invert EL. (ft-NAVD):	**1.44**
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.25
Weir EL. (ft-NAVD):	2.99
Trench Width, W (ft):	4.50
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**2.05E-03**
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	10.08
D_U^2:	10.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.002033
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	**N/A**
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	**5.36**
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.45**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 9

French Drain (ICPR Link Name):	**PR9S213_9GW18**	**Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head):**	**2.050E-03**	**SHGWT EL. (ft-NAVD):**	**1.44**
Existing/Proposed:	**Proposed**			***Max Stage (ft-NAVD):***	***7.44***
Pipe Size (in):	**24**	**Pipe Invert EL. (ft-NAVD):**	**1.44**		
Effective Length of French Drain with Safety Factor, L (LF):	**92.00**	**Top of Trench EL. (ft-NAVD):**	**4.69**		
Trench Height, H_T (ft):	**12.25**	**Bottom of Trench EL. (ft-NAVD):**	**-7.56**		
Trench Width, W (ft):	**4.50**	**Weir EL. (ft-NAVD):**	**2.99**	**AYH EL. (ft-NAVD)**: Average Yearly Highest Ground Water Level**	**2.94**
** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*		**Upstream Structure Rim/Grate EL. (ft-NAVD):**	**5.82**	** - Per Miami-Dade Public Works Design Standard W.C. 2.1*	

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.69**	3.25	9.00	3.25	0.14158	**13.0252**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**13.8000**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.08162	**7.5086**	$E = 2Kavg\ D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**13.8000**	$E = 2Kavg\ [D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

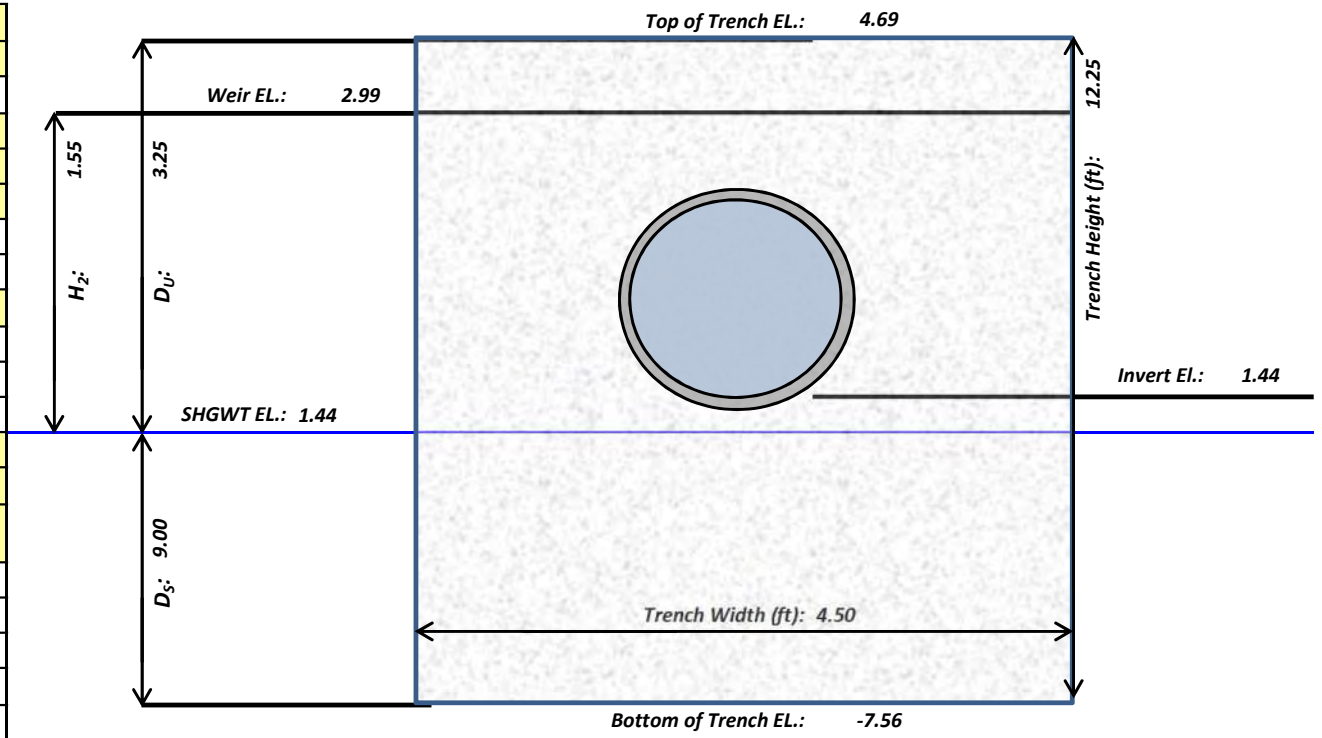
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**13.0252**
1.44	**7.44**	**13.8000**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**7.5086**
2.94	**7.44**	**13.8000**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 9

French Drain (ICPR Link Name):	**PR9S212_9GW19**
Existing/Proposed:	**Proposed**
SHGWT EL. (ft-NAVD):	**1.44**
Pipe Size (in):	**24**
Effective Length of French Drain, *L* (LF):	**284.0**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, *L* (LF):	**142.00**
Pipe Thickness (in):	**3.00**
Pipe Invert EL. (ft-NAVD):	**1.44**
Top of Trench EL. (ft-NAVD):	4.69
Bottom of Trench EL. (ft-NAVD):	-7.56
Trench Height, H_T (ft):	12.25
Weir EL. (ft-NAVD):	2.99
Trench Width, *W* (ft):	4.50
PT-16, PT-17 Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**2.05E-03**
Depth to Water Table, H_2 (ft):	1.55
Non-Saturated Trench Depth, D_U (ft):	3.25
Saturated Trench Depth, D_S (ft):	9.00
H_2W:	6.98
$2H_2D_U$:	10.08
D_U^2:	10.56
$2H_2D_S$:	27.90
$(1.39x10^{-4})WD_U$:	0.002033
d_2:	0.00
d_3:	0.00
K_{10}:	2.05E-03
K_{15}:	2.05E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	**N/A**
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	**8.27**
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**0.69**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 9

French Drain (ICPR Link Name):	**PR9S212_9GW19**	**Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head):**	**2.050E-03**	**SHGWT EL. (ft-NAVD):**	**1.44**
Existing/Proposed:	**Proposed**			***Max Stage (ft-NAVD):***	***7.44***
Pipe Size (in):	**24**	**Pipe Invert EL. (ft-NAVD):**	**1.44**		
Effective Length of French Drain with Safety Factor, L (LF):	**142.00**	**Top of Trench EL. (ft-NAVD):**	**4.69**		
Trench Height, H_T (ft):	**12.25**	**Bottom of Trench EL. (ft-NAVD):**	**-7.56**		
Trench Width, W (ft):	**4.50**	**Weir EL. (ft-NAVD):**	**2.99**	**AYH EL. (ft-NAVD)**: Average Yearly Highest Ground Water Level**	**2.94**
** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*		**Upstream Structure Rim/Grate EL. (ft-NAVD):**	**5.44**	** - Per Miami-Dade Public Works Design Standard W.C. 2.1*	

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.44	**1.44**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.44	**4.69**	3.25	9.00	3.25	0.14158	**20.1041**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.44	**7.44**	3.25	9.00	6.00	0.15000	**21.3000**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.94	**2.94**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.94	**4.69**	1.75	10.50	1.75	0.08162	**11.5894**	$E = 2Kavg\ D_U(D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.94	**7.44**	1.75	10.50	4.50	0.15000	**21.3000**	$E = 2Kavg\ [D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.44	**1.44**	**0.0000**
1.44	**4.69**	**20.1041**
1.44	**7.44**	**21.3000**
2.94	**2.94**	**0.0000**
2.94	**4.69**	**11.5894**
2.94	**7.44**	**21.3000**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

DRAINAGE SYSTEM SUMMARY TABLES

Drainage System: ***9***

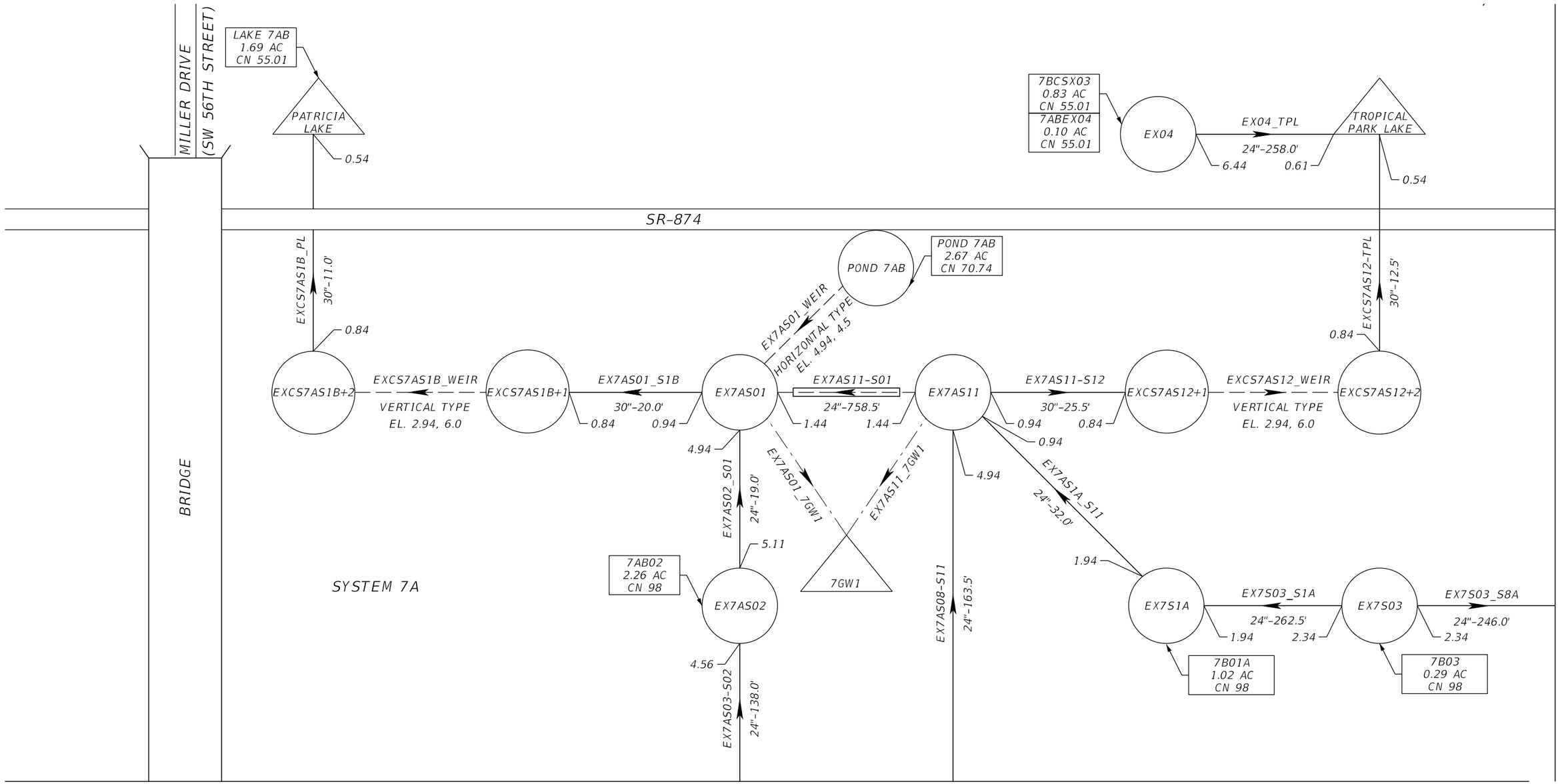
Summary of Peak Discharges			
Receiving Waterbody:	**Coral Gables Canal**		
PRE-DEVELOPMENT			
ICPR Link:	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
EX9S82_CANAL2	3.85	31.56	10.84
PRE-DEVELOPMENT TOTALS:	**3.85**	**31.56**	**10.84**
POST-DEVELOPMENT			
ICPR Link:	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
EX9S82_CANAL2	3.89	27.92	11.86
POST-DEVELOPMENT TOTALS:	**3.89**	**27.92**	**11.86**
Pre-Post 25yr-72hr Peak Discharge Reduction (cfs):	***3.64***		

Summary of Peak Stages									
				PRE-DEVELOPMENT			**POST-DEVELOPMENT**		
Pond/ Swale/ FD #	**Type: [Wet/Dry, Det./Ret., FD]**	**Disposition [Exist./ Prop./ Modified]**	**Warning EL. [Min. Berm/ Min. EOP] (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**
POND 9E2	Dry Retention	Modified	6.07	2.97	4.81	3.01	2.97	4.60	3.00
POND 9E4	Dry Retention	Existing	6.94	3.15	6.29	3.43	3.10	5.48	3.20
POND 9E5	Dry Retention	Modified	6.24	3.07	5.62	3.16	3.07	4.95	3.13
POND 9E6	Dry Retention	Modified	5.44	3.09	5.55	3.15	3.09	5.00	3.14
POND 9W2	Dry Retention	Modified	8.70	5.69	8.56	5.78	3.04	6.60	3.15
POND 9W5	Dry Retention	Modified	7.44	5.81	8.85	5.95	3.35	6.37	3.79

Control Structure Summary Table - Proposed Conditions					
Control Structure:	**Disposition [Exist./ Prop./ Modified]**	**Weir Type/ Geometry**	**Weir EL. (ft-NAVD)**	**Bleeder Type/ Geometry**	**Bleeder Invert EL. (ft-NAVD)**
PRCS9S209	Modified	Special Structure (3 chambers)	2.99	--	--
EXCS9S80	Existing	Raised DBI	2.99	--	--
EXCS9S80A	Existing	Raised DBI	2.99	--	--

System 7, 7A, 8, & 9

Pre-Development Node Link Diagram
Pre-Development ICPR Input/Output
Post-Development Node Link Diagram
Post-Development ICPR Input/Output



LEGEND

B-### #.## AC CN ##.# — CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER	NODE NAME — BOUNDARY NODE WITH CONSTANT TAILWATER	###-### ##"-###' #.## #.## — EXFILTRATION TRENCH LINK WITH SIZE-LENGTH INVERT ELEVATION	####_WEIR VERTICAL TYPE EL. #.##, ## — WEIR LINK WITH WEIR TYPE ELEVATION, WIDTH	###### CHANNEL ###' #.## #.## — CHANNEL LINK WITH LENGTH INVERT ELEVATION
#-### — NODE NAME	PATRICIA LAKE — BOUNDARY NODE WITH VARIABLE TAILWATER	###-### (#)##"-###' #.## #.## — PIPE LINK WITH (QUANTITY)SIZE-LENGTH INVERT ELEVATION	##_## — RATING CURVE LINK	

N.T.S.

1 OF 11

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-1

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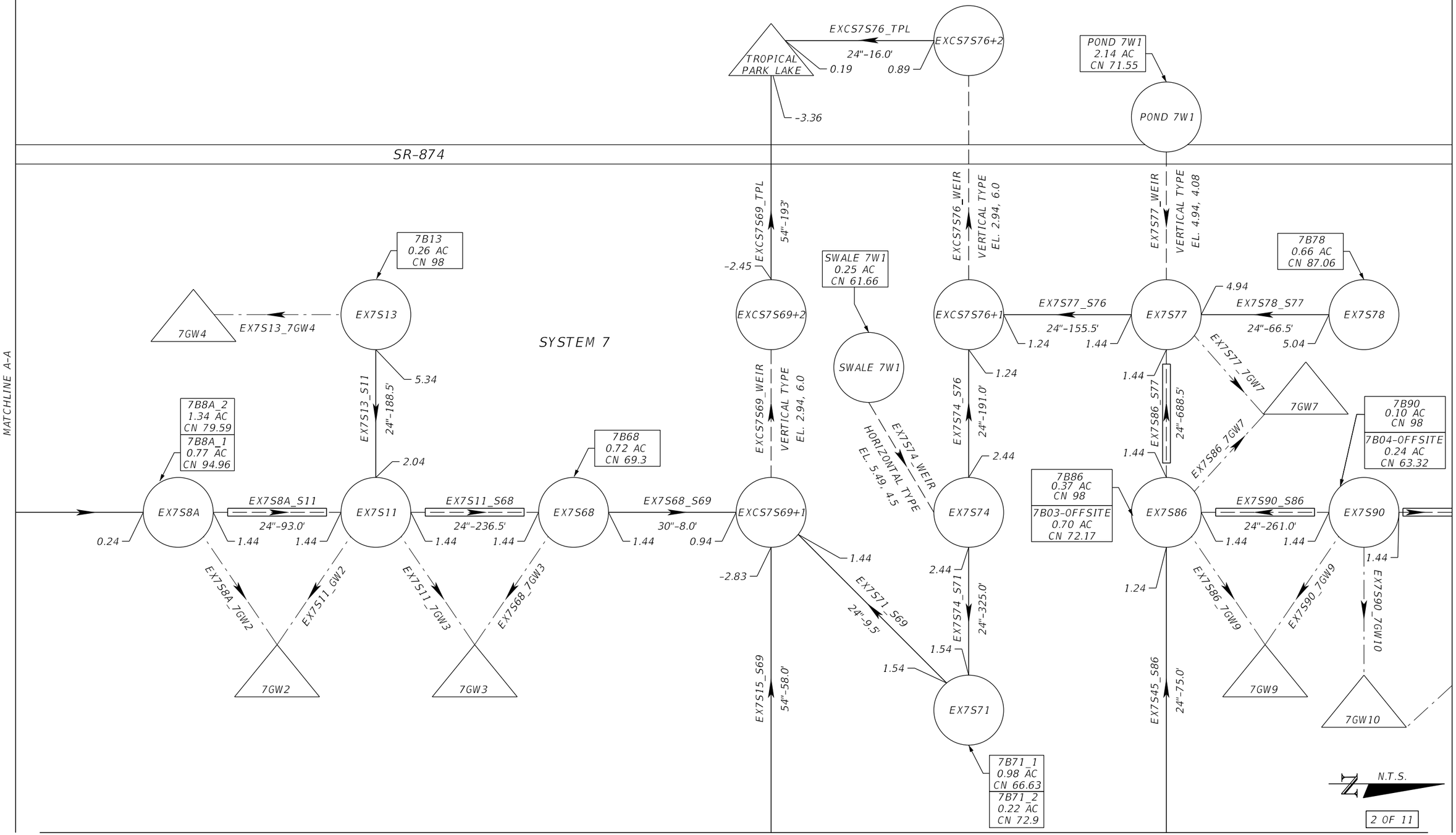
haripraR 8/22/2019 10:13:18 AM c:\pw_work\rsh_pw\pw_user\d0171047\ICPR NODE-LINK DIAGRAM_PRE SYSTEMS 7-7A-8-9



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PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-2

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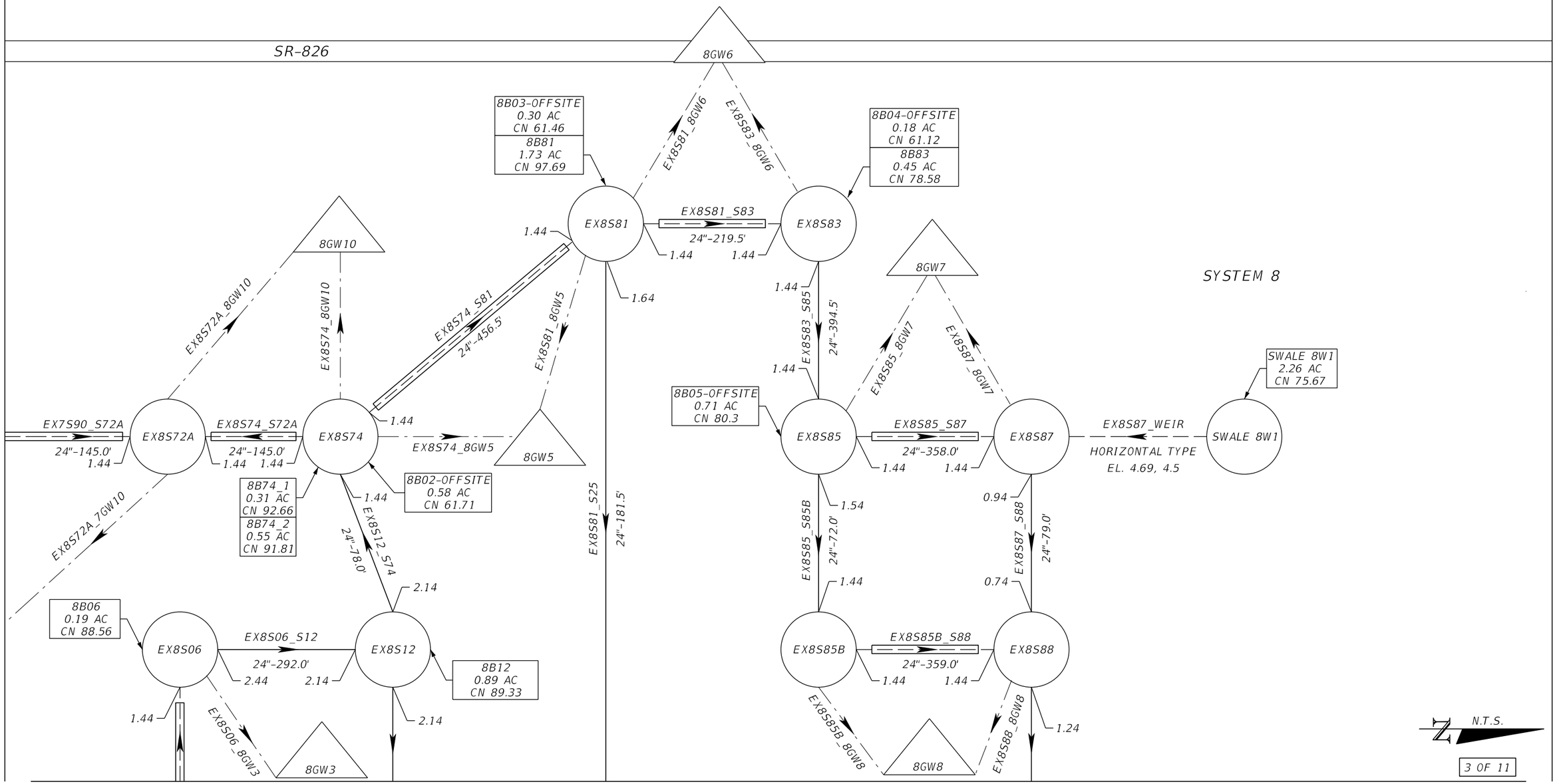
SR-826

MATCHLINE B-B

MATCHLINE C-C

SYSTEM 8



MATCHLINE H-H

3 OF 11

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
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PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-3

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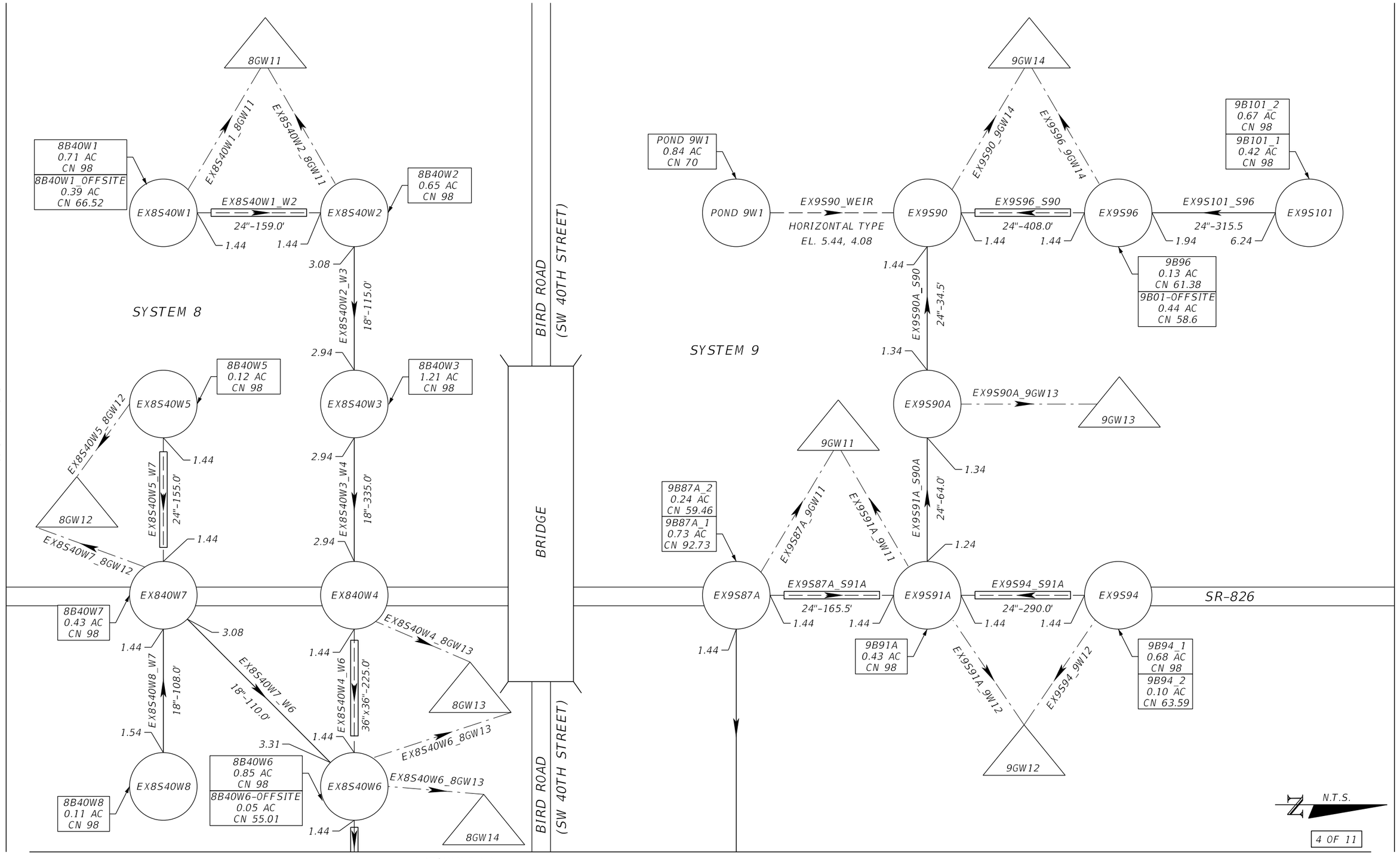

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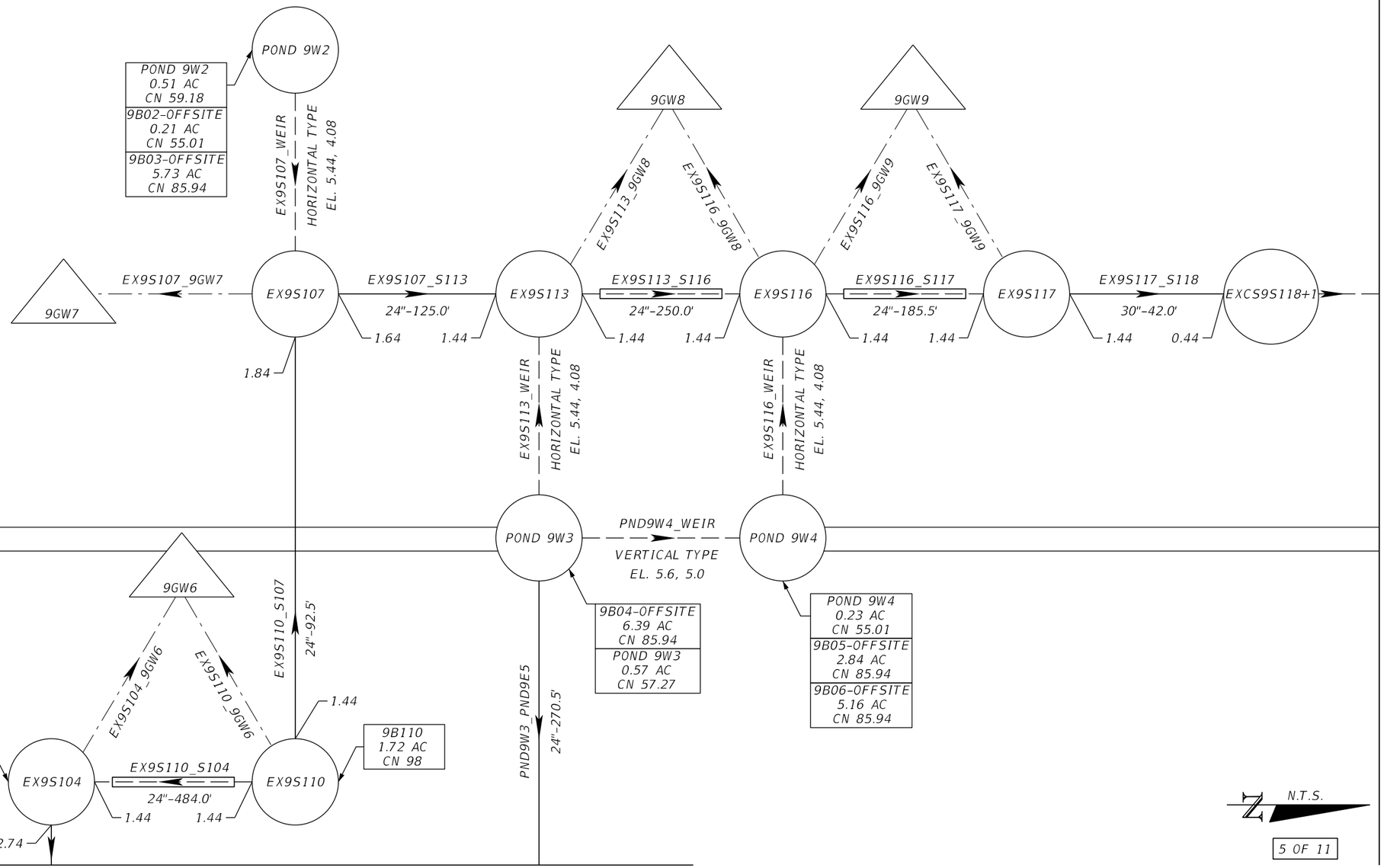
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-4

SYSTEM 9



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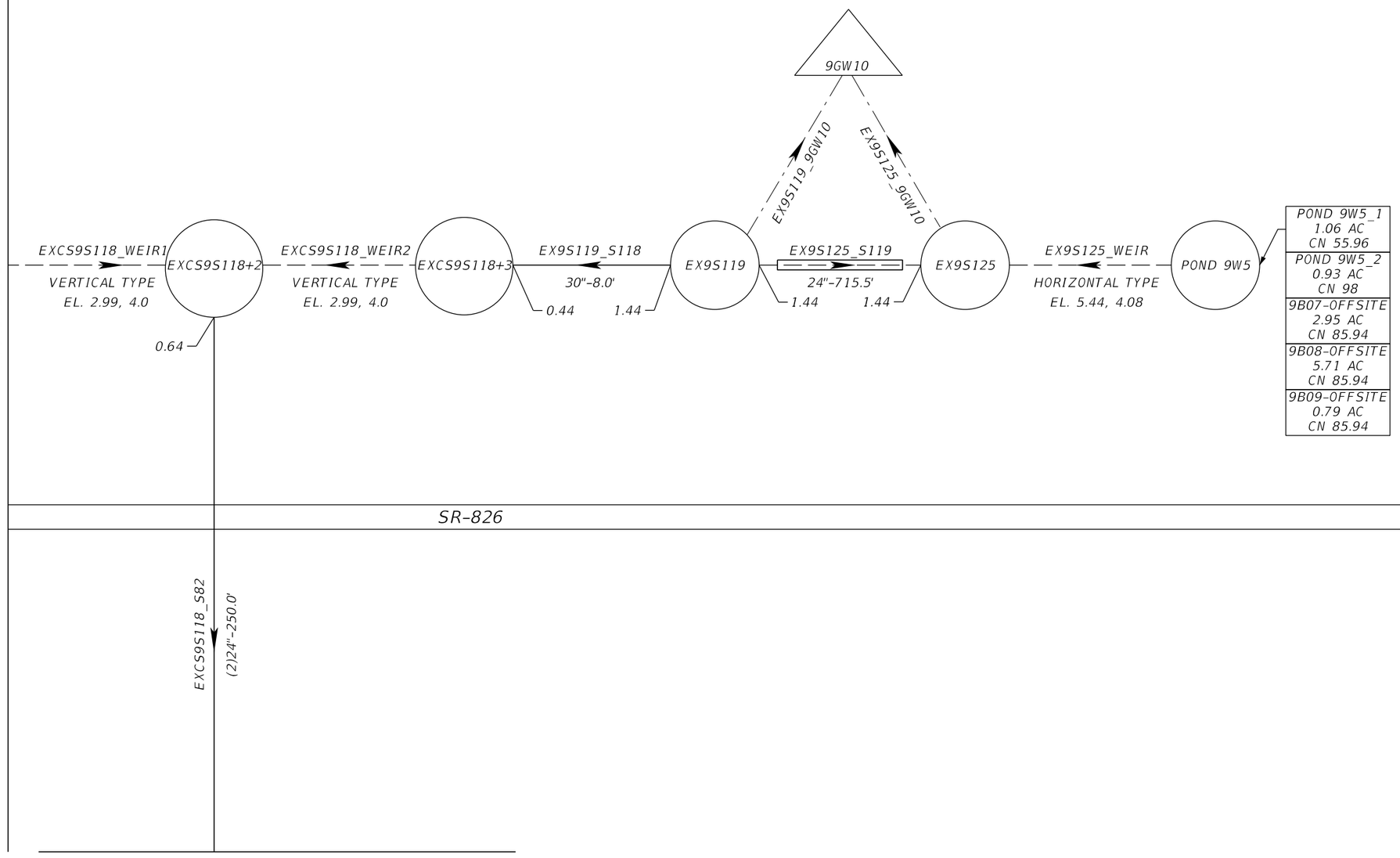
PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-5

SYSTEM 9



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6 OF 11

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STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
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PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-6

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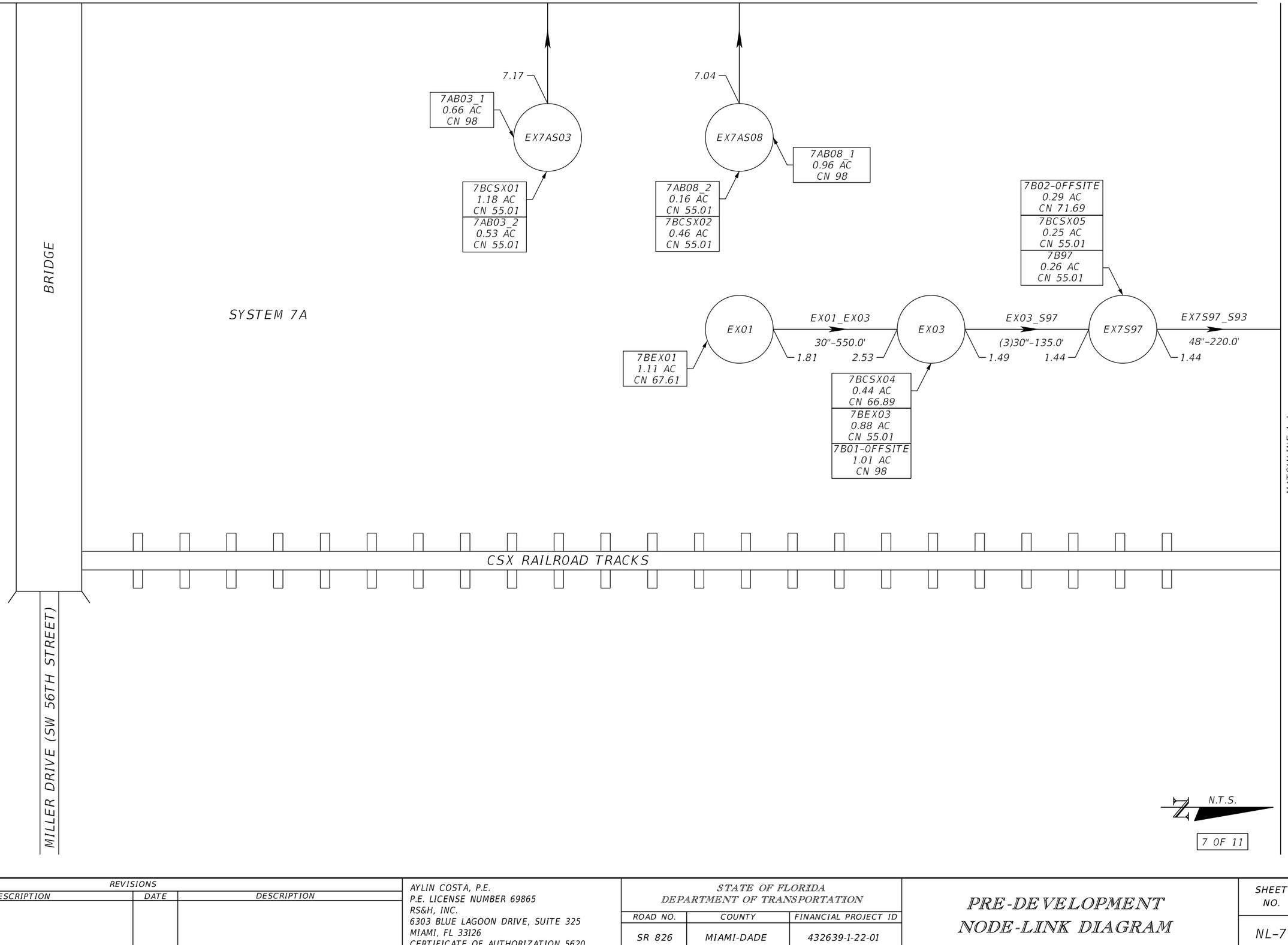
MATCHLINE F-F

BRIDGE

SYSTEM 7A



MATCHLINE L-L

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REVISIONS			
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STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

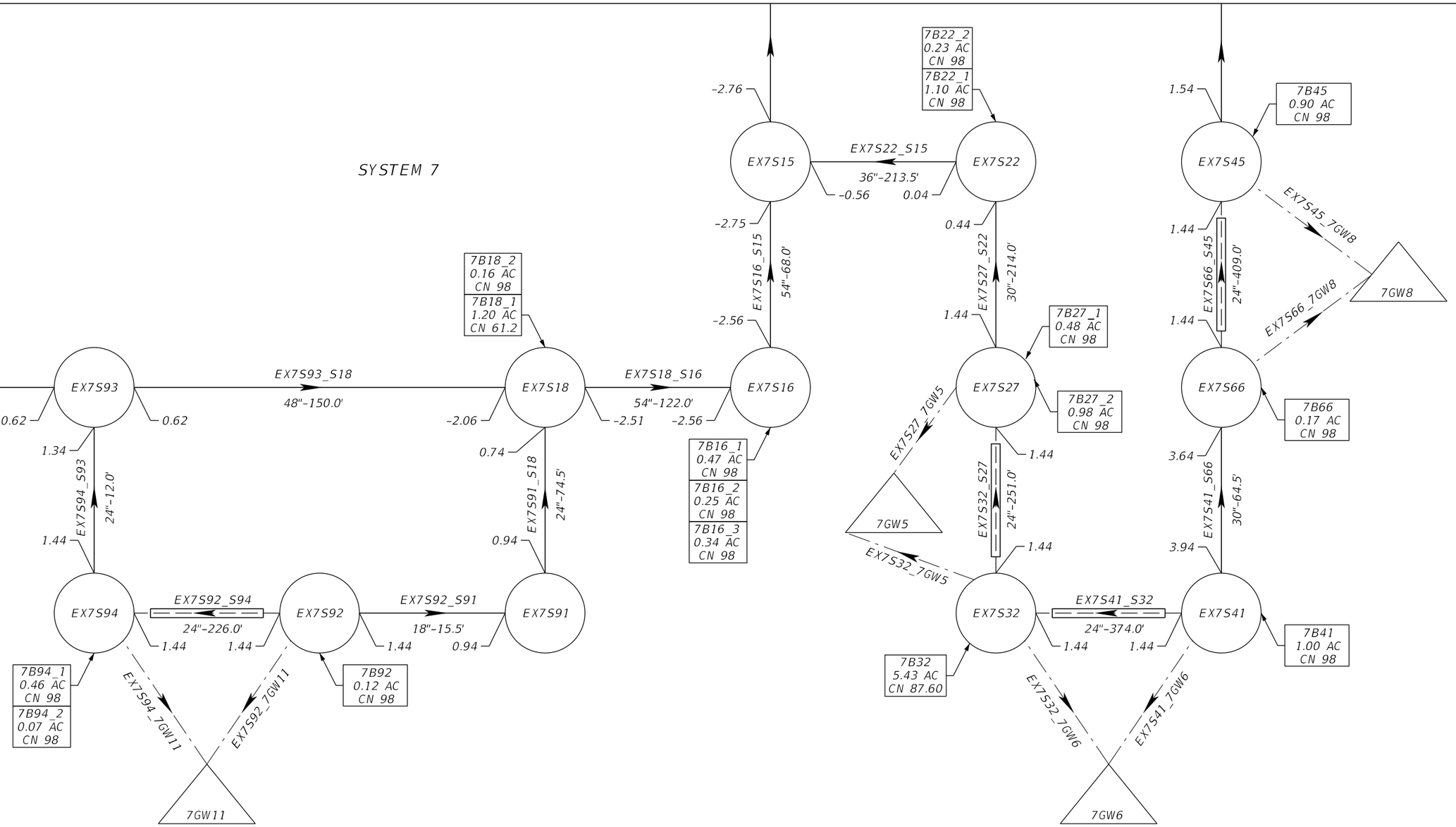
SHEET NO. NL-7

MATCHLINE G-G

MATCHLINE L-L

MATCHLINE M-M

SYSTEM 7



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8 OF 11

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REVISIONS			
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CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-8

MATCHLINE H-H

MATCHLINE M-M

MATCHLINE N-N

SYSTEM 8

EX8S5A_S06 24"-110.0'
8B5A 0.38 AC CN 95.87
1.44
EX8S5A
EX8S5A_8GW3
8GW3

EX8S12_S13 24"-97.0'
1.94
8B13 0.66 AC CN 98
EX8S13
1.94
EX8S13_S16 24"-118.5'
1.74
8B16 1.05 AC CN 98
EX8S16
EX8S16_S25 30"-340.0'
1.74
8B25 0.61 AC CN 98
1.34
EX8S25
1.34
EX8S25_S26 30"-93.5'
1.74
EX8S16_S17 24"-110.0'
1.44
8B17 0.27 AC CN 91.67

8B26 0.52 AC CN 98
EX8S26
1.24
1.24
EX8S26_S49 30"-135.0'
1.04
EX8S49
EX8S49_8GW9
8GW9
EX8S31A_8GW9
1.44
EX8S49_EX8S31A 36"-292.0'
1.44
EX8S31A
EX8S31A_WEIR HORIZONTAL TYPE EL. 6.69, 5.83
POND 8E2

EX8S88_S98 24"-279.0'
2.14
8B98 0.14 AC CN 98
EX8S98
2.14
EX8S98_PND8E1 24"-167.0'
2.44
POND 8E1_1 4.06 AC CN 63.93
POND 8E1_2 1.67 AC CN 98
POND 8E1
EX8S31A_PND8E1 (2)24"-194.0'
2.64
2.44
EXCS8S66_WEIR HORIZONTAL TYPE EL. 2.99, 6.58
EXCS8S66
EXCS8S66_S67 48"-79.0'
-3.36
-3.56
EX8S67
-3.56
EX8S56_PND8E1 24"-125.0'
2.44
2.64
SWALE 8E1 1.38 AC CN 72.5
8B06-OFFSITE 1.00 AC CN 80.3
SWALE 8E1
EX8S57_WEIR HORIZONTAL TYPE EL. 3.44, 4.5
8B07-OFFSITE 0.37 AC CN 91.88

8B15A 1.29 AC CN 90.79
EX8S15A
1.54
EX8S15A_S17 24"-21.0'
1.44
EX8S17
EX8S17_S21 24"-109.5'
1.44
1.44
EX8S21
8B21 0.16 AC CN 86.7
EX8S15A_8GW1
8GW1
EX8S01_8GW1
1.44
EX8S01_S15A 24"-877.0'
1.44
EX8S01
8B01 4.59 AC CN 90.49
8B01-OFFSITE 0.84 AC CN 95.36
EX8S17_8GW2
EX8S21_8GW2
8GW2
EX8S21_S45 30"-25.0'
0.94
0.67
EX8S45
EX8S45_S47 38"x60"-300.0'
1.07
0.88
EX8S47
EX8S47_S56 36"-558.0'
1.24
0.64
EX8S56
EX8S57_S56 24"-16.0'
2.64
3.44
EX8S57
EX8S54_EX8S57 24"-24.0'
0.19
0.19
EX8S54
EX8S57_8GW4
EX8S54_8GW4
8GW4

N.T.S.

9 OF 11

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-9

MATCHLINE I-I

MATCHLINE N-N

MATCHLINE O-O

SYSTEM 8

SYSTEM 9

8B40W9
0.23 AC
CN 98
8B40W9-OFFSITE
0.41 AC
CN 66.72

EX8S40W9

EX8S40W9_S139D
18"-78.0'
4.54
4.75

EX8S40W6_S139D
36"x36"-369.0'
1.44

8GW14

EX8S139D_8GW14

EX8S139D

EXCS9S139C_S139D
36"-157.0'
1.44
1.44

EXCS9S139C+2

EXCS9S139C_WEIR
VERTICAL TYPE
EL. 2.99, 4.0

EXCS9S139C+1

EX9S87A_S139C
36"-65.0'
1.44

EX8S139D_8GW15

8GW15

EX8S99_8GW15

EX8S139D_S99
36"x36"-512.0'
1.44

EX8S101

EX8S99_8S101
18"-105.0'
2.12
2.44

EX8S99

EXCS9S129_8S99
24"-46.5'
1.69
1.09

EXCS9S129+2

EXCS9S129_WEIR
VERTICAL TYPE
EL. 2.99, 4.0

EXCS9S129+1

EX9S49_S129
30"-20.0'
0.84
0.94

EX9S49

9B49_1
0.44 AC
CN 98
9B49_2
0.65 AC
CN 73.26
9B49_3
0.05 AC
CN 55.01

9GW15

EX9S49_9GW15

EX9S55_9GW15

EX9S55_S49
24"-289.5'
1.44
1.44

EX9S55

1.77

EX8S101_S70
24"-270.0'

-3.56

1.44

EX8S99_8GW16

8GW16

EX8S40E1_8GW16

EX8S40E1_S99
36"x36"-584.0'
1.44

EX8S40E1

8B40E1
1.89 AC
CN 98

1.44

EX9S57_S55
24"-30.0'
1.64

2.34

EX8S67_S70
48"-75.5'

EX8S70

-3.56

-3.56

8B70
0.92 AC
CN 98

EX9S57

EX9S58_S57
24"-172.5'
1.44
1.44

EX9S58

9B57
0.12 AC
CN 55.01
9B10-OFFSITE
0.03 AC
CN 55.01

EX9S57_9GW1

EX9S58_9GW1

9GW1

BIRD ROAD
(SW 40TH STREET)

SW 75TH AVENUE

EX8S70_CANAL1
54"-1600.0'

-4.16

CANAL 1

N.T.S.

10 OF 11

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SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO.
NL-10

MATCHLINE J-J

MATCHLINE K-K

MATCHLINE O-O

MATCHLINE P-P

SYSTEM 9

EX9S104_S12
24"-225.0'
2.24
EX9S12
EX9S12_S15
24"-204.0'
1.24
1.54
EX9S15
EX 9S15_PND9E5
18"-307.5'
1.54
2.44
POND 9E5
PND9W3_PND9E5
24"-270.5'
2.44
EXCS9S80_WEIR
HORIZONTAL TYPE
EL. 2.99, 6.58
EXCS9S80
EXCS9S80_S82
24"-11.0'
-2.06
-2.16
EXCS9S118_S82
24"-250.0'
1.02
EX9S82
EXCS9S80A_S82
24"-10.0'
-2.16
-2.06
EXCS9S80A
EXCS9S80A_WEIR
HORIZONTAL TYPE
EL. 2.99, 6.58
1.24
EX9S12_PND9E4
30"-198.5'
2.44
POND 9E4
2.64
PND9E4_PND9E3
24"-190.0'
2.44
POND 9E5_1
1.14 AC
CN 57.98
POND 9E5_2
2.49 AC
CN 98
9B13-OFFSITE
0.09 AC
CN 68.75
2.44
PND9E5_S79
24"-7.5'
2.34
EX9S79
EX9S79_9GW4
9GW4
POND 9E4_1
0.39 AC
CN 57.67
POND 9E4_2
0.06 AC
CN 98
POND 9E4_3
2.01 AC
CN 98
9B12-OFFSITE
0.09 AC
CN 55.01
9B11-OFFSITE
0.04 AC
CN 55.01
POND 9E2_2
0.18 AC
CN 78.58
POND 9E2_1
0.23 AC
CN 56.1
PND9E2_S58
24"-13.5'
2.44
POND 9E2
PND9E3_PND9E2
24"-88.0'
1.44
1.44
POND 9E3
PND9E3_S69
24"-7.5'
2.44
2.34
EX9S69
POND 9E3_1
0.26 AC
CN 55.97
POND 9E3_2
0.18 AC
CN 98
2.44
PND9E2_S63
24"-8.5'
2.34
EX9S63
EX9S63_9GW2
9GW2
EX9S69_9GW3
9GW3
EX9S82_CANAL2
30"-300.0'
1.02
-1.56
CANAL 2
POND 9E6_1
0.20 AC
CN 55.01
POND 9E6_2
2.92 AC
CN 97.01
9B14-OFFSITE
0.85 AC
CN 77.02
POND 9E6
2.44
PND9E6_S85
24"-3.0'
1.44
EX9S85
EX9S85_9GW5
9GW5

N.T.S.

11 OF 11

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SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO.
NL-11

Simple Basin: 7AB02

Scenario:	Pre-Development
Node:	EX7AS02
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7AB03_1

Scenario:	Pre-Development
Node:	EX7AS03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7AB03_2

Scenario:	Pre-Development
Node:	EX7AS03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5300 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7AB08_1

Scenario:	Pre-Development
Node:	EX7AS08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7AB08_2

Scenario:	Pre-Development
Node:	EX7AS08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1600 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7ABEX04

Scenario:	Pre-Development
Node:	EX04
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1000 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B01-OFFSITE

Scenario:	Pre-Development
Node:	EX03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B01A

Scenario:	Pre-Development
Node:	EX7S1A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B02-OFFSITE

Scenario:	Pre-Development
Node:	EX7S97
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2900 ac
Curve Number:	71.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B03

Scenario:	Pre-Development
Node:	EX7S03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B03-OFFSITE

Scenario:	Pre-Development
Node:	EX7S86
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7000 ac
Curve Number:	72.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B04-OFFSITE

Scenario:	Pre-Development
Node:	EX7S90
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2400 ac
Curve Number:	63.3
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B13

Scenario:	Pre-Development
Node:	EX7S13
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B16_1

Scenario:	Pre-Development
Node:	EX7S16
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B16_2

Scenario:	Pre-Development
Node:	EX7S16
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B16_3

Scenario:	Pre-Development
Node:	EX7S16
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B18_1

Scenario:	Pre-Development
Node:	EX7S18
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2000 ac
Curve Number:	61.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B18_2

Scenario:	Pre-Development
Node:	EX7S18
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B22_1

Scenario:	Pre-Development
Node:	EX7S22
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B22_2

Scenario:	Pre-Development
Node:	EX7S22
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B27_1

Scenario:	Pre-Development
Node:	EX7S27
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B27_2

Scenario:	Pre-Development
Node:	EX7S27
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B32

Scenario:	Pre-Development
Node:	EX7S32
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.4300 ac
Curve Number:	87.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B41

Scenario:	Pre-Development
Node:	EX7S41
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B45

Scenario:	Pre-Development
Node:	EX7S45
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B66

Scenario:	Pre-Development
Node:	EX7S66
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B68

Scenario:	Pre-Development
Node:	EX7S68
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7200 ac
Curve Number:	69.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B71_1

Scenario:	Pre-Development
Node:	EX7S71
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9800 ac
Curve Number:	66.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B71_2

Scenario:	Pre-Development
Node:	EX7S71
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2200 ac
Curve Number:	72.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B78

Scenario:	Pre-Development
Node:	EX7S78
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6600 ac
Curve Number:	87.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B86

Scenario:	Pre-Development
Node:	EX7S86
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B8A_1

Scenario:	Pre-Development
Node:	EX7S8A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7700 ac
Curve Number:	95.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B8A_2

Scenario:	Pre-Development
Node:	EX7S8A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3400 ac
Curve Number:	79.6
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B90

Scenario:	Pre-Development
Node:	EX7S90
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B92

Scenario:	Pre-Development
Node:	EX7S92
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B94_1

Scenario:	Pre-Development
Node:	EX7S94
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B94_2

Scenario:	Pre-Development
Node:	EX7S94
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B97

Scenario:	Pre-Development
Node:	EX7S97
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2600 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BCSX01

Scenario:	Pre-Development
Node:	EX7AS03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1800 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BCSX02

Scenario:	Pre-Development
Node:	EX7AS08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4600 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BCSX03

Scenario:	Pre-Development
Node:	EX04
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8300 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BCSX04

Scenario:	Pre-Development
Node:	EX03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4400 ac
Curve Number:	66.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BCSX05

Scenario:	Pre-Development
Node:	EX7S97
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2500 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BEX01

Scenario:	Pre-Development
Node:	EX01
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1100 ac
Curve Number:	67.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BEX03

Scenario:	Pre-Development
Node:	EX03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8800 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B01

Scenario:	Pre-Development
Node:	EX8S01
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.5900 ac
Curve Number:	90.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B01-OFFSITE

Scenario:	Pre-Development
Node:	EX8S01
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8400 ac
Curve Number:	95.4
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B02-OFFSITE

Scenario:	Pre-Development
Node:	EX8S74
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5800 ac
Curve Number:	61.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B03-OFFSITE

Scenario:	Pre-Development
Node:	EX8S81
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3000 ac
Curve Number:	61.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B04-OFFSITE

Scenario:	Pre-Development
Node:	EX8S83
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1800 ac
Curve Number:	61.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B05-OFFSITE

Scenario:	Pre-Development
Node:	EX8S85
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7100 ac
Curve Number:	64.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B06

Scenario:	Pre-Development
Node:	EX8S06
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1900 ac
Curve Number:	88.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B06-OFFSITE

Scenario:	Pre-Development
Node:	SWALE 8E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0000 ac
Curve Number:	80.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B07-OFFSITE

Scenario:	Pre-Development
Node:	EX8S54
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3700 ac
Curve Number:	91.9
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B12

Scenario:	Pre-Development
Node:	EX8S12
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8900 ac
Curve Number:	89.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B13

Scenario:	Pre-Development
Node:	EX8S13
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B15A

Scenario:	Pre-Development
Node:	EX8S15A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2900 ac
Curve Number:	90.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B16

Scenario:	Pre-Development
Node:	EX8S16
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B17

Scenario:	Pre-Development
Node:	EX8S17
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2700 ac
Curve Number:	91.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B21

Scenario:	Pre-Development
Node:	EX8S21
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1600 ac
Curve Number:	86.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B25

Scenario:	Pre-Development
Node:	EX8S25
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B26

Scenario:	Pre-Development
Node:	EX8S26
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B40E1

Scenario:	Pre-Development
Node:	EX8S40E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.8900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B40W1

Scenario:	Pre-Development
Node:	EX8S40W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B40W1_OFFSITE

Scenario:	Pre-Development
Node:	EX8S40W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3900 ac
Curve Number:	66.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B40W2

Scenario:	Pre-Development
Node:	EX8S40W2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B40W3

Scenario:	Pre-Development
Node:	EX8S40W3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B40W5

Scenario:	Pre-Development
Node:	EX8S40W5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B40W6

Scenario:	Pre-Development
Node:	EX8S40W6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B40W6-OFFSITE

Scenario:	Pre-Development
Node:	EX8S40W6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0500 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B40W7

Scenario:	Pre-Development
Node:	EX8S40W7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B40W8

Scenario:	Pre-Development
Node:	EX8S40W8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B40W9

Scenario:	Pre-Development
Node:	EX8S40W9
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B40W9-OFFSITE

Scenario:	Pre-Development
Node:	EX8S40W9
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4100 ac
Curve Number:	66.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B5A

Scenario:	Pre-Development
Node:	EX8S5A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3800 ac
Curve Number:	95.9
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B70

Scenario:	Pre-Development
Node:	EX8S70
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B74_1

Scenario:	Pre-Development
Node:	EX8S74
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3100 ac
Curve Number:	92.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B74_2

Scenario:	Pre-Development
Node:	EX8S74
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5500 ac
Curve Number:	91.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B81

Scenario:	Pre-Development
Node:	EX8S81
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.7300 ac
Curve Number:	97.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B83

Scenario:	Pre-Development
Node:	EX8S83
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4500 ac
Curve Number:	78.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B98

Scenario:	Pre-Development
Node:	EX8S98
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B01-OFFSITE

Scenario:	Pre-Development
Node:	EX9S96
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4400 ac
Curve Number:	58.6
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B02-OFFSITE

Scenario:	Pre-Development
Node:	POND 9W2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2100 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B03-OFFSITE

Scenario:	Pre-Development
Node:	POND 9W2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.7300 ac
Curve Number:	86.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B04-OFFSITE

Scenario:	Pre-Development
Node:	POND 9W3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.3900 ac
Curve Number:	86.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B05-OFFSITE

Scenario:	Pre-Development
Node:	POND 9W4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8400 ac
Curve Number:	86.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B06-OFFSITE

Scenario:	Pre-Development
Node:	POND 9W4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.1600 ac
Curve Number:	86.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B07-OFFSITE

Scenario:	Pre-Development
Node:	POND 9W5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.9500 ac
Curve Number:	86.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B08-OFFSITE

Scenario:	Pre-Development
Node:	POND 9W5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.7100 ac
Curve Number:	86.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B09-OFFSITE

Scenario:	Pre-Development
Node:	POND 9W5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7900 ac
Curve Number:	86.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B10-OFFSITE

Scenario:	Pre-Development
Node:	EX9S57
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0300 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B101_1

Scenario:	Pre-Development
Node:	EX9S101
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1300 ac
Curve Number:	61.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B101_2

Scenario:	Pre-Development
Node:	EX9S101
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B104

Scenario:	Pre-Development
Node:	EX9S104
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.4900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B11-OFFSITE

Scenario:	Pre-Development
Node:	POND 9E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0400 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B110

Scenario:	Pre-Development
Node:	EX9S110
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.7200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B12-OFFSITE

Scenario:	Pre-Development
Node:	POND 9E4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0900 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B13-OFFSITE

Scenario:	Pre-Development
Node:	POND 9E5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0900 ac
Curve Number:	68.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B14-OFFSITE

Scenario:	Pre-Development
Node:	POND 9E6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8500 ac
Curve Number:	77.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B49_1

Scenario:	Pre-Development
Node:	EX9S49
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B49_2

Scenario:	Pre-Development
Node:	EX9S49
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6500 ac
Curve Number:	73.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B49_3

Scenario:	Pre-Development
Node:	EX9S49
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0500 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B57

Scenario:	Pre-Development
Node:	EX9S57
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1200 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B87A_1

Scenario:	Pre-Development
Node:	EX9S87A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7300 ac
Curve Number:	92.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B87A_2

Scenario:	Pre-Development
Node:	EX9S87A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2400 ac
Curve Number:	59.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B91A

Scenario:	Pre-Development
Node:	EX9S91A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B94_1

Scenario:	Pre-Development
Node:	EX9S94
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B94_2

Scenario:	Pre-Development
Node:	EX9S94
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1000 ac
Curve Number:	63.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B96

Scenario:	Pre-Development
Node:	EX9S96
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: LAKE 7AB

Scenario:	Pre-Development
Node:	PATRICIA LAKE
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.6900 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 7AB

Scenario:	Pre-Development
Node:	POND 7AB
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.6700 ac
Curve Number:	70.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 7W1

Scenario:	Pre-Development
Node:	POND 7W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.1400 ac
Curve Number:	71.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 8E1_1

Scenario:	Pre-Development
Node:	POND 8E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0600 ac
Curve Number:	63.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 8E1_2

Scenario:	Pre-Development
Node:	POND 8E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.6700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 8E2_1

Scenario:	Pre-Development
Node:	POND 8E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.8300 ac
Curve Number:	66.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 8E2_2

Scenario:	Pre-Development
Node:	POND 8E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 8E2_3

Scenario:	Pre-Development
Node:	POND 8E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9E2_1

Scenario:	Pre-Development
Node:	POND 9E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2300 ac
Curve Number:	56.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9E2_2

Scenario:	Pre-Development
Node:	POND 9E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1800 ac
Curve Number:	78.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9E3_1

Scenario:	Pre-Development
Node:	POND 9E3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2600 ac
Curve Number:	56.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9E3_2

Scenario:	Pre-Development
Node:	POND 9E3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9E4_1

Scenario:	Pre-Development
Node:	POND 9E4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3900 ac
Curve Number:	57.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9E4_2

Scenario:	Pre-Development
Node:	POND 9E4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9E4_3

Scenario:	Pre-Development
Node:	POND 9E4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.0100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9E5_1

Scenario:	Pre-Development
Node:	POND 9E5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1400 ac
Curve Number:	58.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9E5_2

Scenario:	Pre-Development
Node:	POND 9E5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.4900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9E6_1

Scenario:	Pre-Development
Node:	POND 9E6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2000 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9E6_2

Scenario:	Pre-Development
Node:	POND 9E6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.9200 ac
Curve Number:	97.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9W1

Scenario:	Pre-Development
Node:	POND 9W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8400 ac
Curve Number:	70.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9W2

Scenario:	Pre-Development
Node:	POND 9W2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5100 ac
Curve Number:	59.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9W3

Scenario:	Pre-Development
Node:	POND 9W3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5700 ac
Curve Number:	57.3
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9W4

Scenario:	Pre-Development
Node:	POND 9W4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2300 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9W5_1

Scenario:	Pre-Development
Node:	POND 9W5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0600 ac
Curve Number:	56.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9W5_2

Scenario:	Pre-Development
Node:	POND 9W5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: SWALE 7W1

Scenario:	Pre-Development
Node:	SWALE 7W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2500 ac
Curve Number:	61.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: SWALE 8E1

Scenario:	Pre-Development
Node:	SWALE 8E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3800 ac
Curve Number:	72.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: SWALE 8W1

Scenario:	Pre-Development
Node:	SWALE 8W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2900 ac
Curve Number:	75.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Node: 7GW1

Scenario:	Pre-Development
Type:	Time/Stage
Base Flow:	0.00 cfs
Initial Stage:	1.44 ft
Warning Stage:	7.44 ft
Boundary Stage:	7GW1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 7GW10

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 7GW10

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 7GW11

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 7GW11

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 7GW2

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 7GW2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 7GW3

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 7GW3

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 7GW4

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 7GW4

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 7GW5

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 7GW5

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 7GW6

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 7GW6

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 7GW7

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 7GW7

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 7GW8

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 7GW8

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 7GW9

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 7GW9

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW1

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW10

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW10

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW11

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW11

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW12

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW12

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW13

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW13

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW14

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW14

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW15

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW15

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW16

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW16

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW2

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW3

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW3

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW4

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW4

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW5

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW5

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW6

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW6

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW7

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW7

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW8

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW8

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW9

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW9

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW1

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW10

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW10

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW11

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW11

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW12

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW12

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW13

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW13

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW14

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW14

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW15

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW15

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW2

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW3

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW3

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW4

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW4

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW5

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW5

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW6

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW6

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW7

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW7

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW8

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW8

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW9

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.48 ft
Boundary Stage: 9GW9

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: CANAL 1

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: CANAL 1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	300.0000	1.44

Comment:

Node: CANAL 2

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: CANAL 2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	300.0000	1.44

Comment:

Node: EX01

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.14 ft

Stage [ft]	Area [ac]	Area [ft2]
3.04	0.0050	218
5.54	0.0050	218

Comment:

Node: EX03

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.14 ft

Stage [ft]	Area [ac]	Area [ft2]
1.44	0.0050	218
2.44	0.0050	218
2.94	0.0100	436
3.44	0.0200	871
3.94	0.0200	871
4.44	0.0400	1742
4.94	0.0600	2614
5.44	0.0700	3049

Comment:

Node: EX04

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.64 ft
Warning Stage: 10.44 ft

Stage [ft]	Area [ac]	Area [ft2]
6.64	0.0050	218
8.64	0.0050	218

Comment:

Node: EX7AS01

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 4.94 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0092	401
3.94	0.0092	401
3.95	0.0003	13
4.94	0.0003	13
4.95	0.0031	135

External Hydrograph

Comment: 3AS-01 FROM FPID NO. 249035-1-52-01

Node: EX7AS02

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.56 ft
Warning Stage: 13.35 ft

Stage [ft]	Area [ac]	Area [ft2]
2.53	0.0003	13
13.35	0.0003	13
13.36	0.0029	126

Comment: 3AS-02 FROM FPID NO. 249035-1-52-01

Node: EX7AS03

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.04 ft
Warning Stage: 14.30 ft

Stage [ft]	Area [ac]	Area [ft2]
5.04	0.0003	13
14.30	0.0003	13
14.31	0.0027	118

Comment: 3AS-03 FROM FPID NO. 249035-1-52-01

Node: EX7AS08

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.04 ft
Warning Stage: 12.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.04	0.0003	13
12.00	0.0003	13
12.01	0.0027	118

Comment: 3AS-08 FROM FPID NO. 249035-1-52-01

Node: EX7AS11

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 4.94 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0092	401
3.94	0.0092	401
3.95	0.0003	13
4.94	0.0003	13
4.95	0.0031	135

Comment: 3AS-11 FROM FPID NO. 249035-1-52-01

Node: EX7S03

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 8.01 ft

Stage [ft]	Area [ac]	Area [ft2]
0.34	0.0004	17
8.01	0.0004	17
8.02	0.0044	192

Comment: 3S-03 FROM FPID NO. 249035-1-52-01

Node: EX7S11

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.84 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0028	122
3.94	0.0028	122
3.95	0.0004	17
6.84	0.0004	17
6.85	0.0037	161

Comment: 3S-11 FROM FPID NO. 249035-1-52-01

Node: EX7S13

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 11.45 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0026	113
3.94	0.0026	113
3.95	0.0003	13
11.45	0.0003	13
11.46	0.0027	118

Comment: 3S-13 FROM FPID NO. 249035-1-52-01

Node: EX7S15

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.86 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.76	0.0009	39
6.86	0.0009	39
6.87	0.0088	383

Comment: 3S-15 FROM FPID NO. 249035-1-52-01

Node: EX7S16

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 14.47 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.06	0.0003	13
14.47	0.0003	13
14.48	0.0029	126

Comment: 3S-16 FROM FPID NO. 249035-1-52-01

Node: EX7S18

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.84 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.56	0.0004	17
6.84	0.0004	17
6.85	0.0037	161

Comment: 3S-18 FROM FPID NO. 249035-1-52-01

Node: EX7S1A

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.94 ft
Warning Stage: 10.90 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.06	0.0005	22
10.90	0.0005	22
10.91	0.0045	196

Comment: 3S-1A FROM FPID NO. 249035-1-52-01

Node: EX7S22

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.72 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.96	0.0003	13
6.72	0.0003	13
6.73	0.0027	118

Comment: 3S-22 FROM FPID NO. 249035-1-52-01

Node: EX7S27

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.50 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0028	122
3.94	0.0028	122
3.95	0.0003	13
7.50	0.0003	13
7.51	0.0027	118

Comment: 3S-27 FROM FPID NO. 249035-1-52-01

Node: EX7S32

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 8.60 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.56	0.0045	196
3.94	0.0045	196
3.95	0.0003	13
8.60	0.0003	13
8.61	0.0029	126

Comment: 3S-32 FROM FPID NO. 249035-1-52-01

Node: EX7S41

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 9.89 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0045	196
3.94	0.0045	196
3.95	0.0003	13
9.89	0.0003	13
9.90	0.0029	126

Comment: 3S-41 FROM FPID NO. 249035-1-52-01

Node: EX7S45

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 9.57 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0046	200
3.94	0.0046	200
3.95	0.0003	13
9.57	0.0003	13
9.58	0.0029	126

Comment: 3S-45 FROM FPID NO. 249035-1-52-01

Node: EX7S66

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 10.37 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0046	200
3.94	0.0046	200
3.95	0.0003	13
10.37	0.0003	13
10.38	0.0027	118

Comment: 3S-66 FROM FPID NO. 249035-1-52-01

Node: EX7S68

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.94 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0028	122
3.94	0.0028	122
3.95	0.0004	17
5.94	0.0004	17
5.95	0.0037	161

Comment: 3S-68 FROM FPID NO. 249035-1-52-01

Node: EX7S71

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.54 ft
Warning Stage: 5.94 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.46	0.0004	17
5.94	0.0004	17
5.95	0.0037	161

Comment: 3S-71 FROM FPID NO. 249035-1-52-01

Node: EX7S74

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.44 ft
Warning Stage: 5.49 ft

Stage [ft]	Area [ac]	Area [ft2]
0.44	0.0003	13
5.49	0.0003	13
5.50	0.0031	135

Comment: 3S-74 FROM FPID NO. 249035-1-52-01

Node: EX7S77

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 4.94 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0086	375
3.94	0.0086	375
3.95	0.0003	13
4.94	0.0003	13
4.95	0.0031	135

Comment: 3S-77 FROM FPID NO. 249035-1-52-01

Node: EX7S78

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.04 ft

Warning Stage: 13.52 ft

Stage [ft]	Area [ac]	Area [ft2]
3.04	0.0003	13
13.52	0.0003	13
13.53	0.0027	118

Comment: 3S-78 FROM FPID NO. 249035-1-52-01

Node: EX7S86

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.23 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.56	0.0086	375
3.94	0.0086	375
3.95	0.0003	13
7.23	0.0003	13
7.24	0.0029	126

Comment: 3S-86 FROM FPID NO. 249035-1-52-01

Node: EX7S8A

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.26 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0010	44
3.94	0.0010	44
3.95	0.0003	13
7.26	0.0003	13
7.27	0.0030	131

Comment: 3S-8A FROM FPID NO. 249035-1-52-01

Node: EX7S90

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0032	139
3.94	0.0032	139
3.95	0.0009	39
5.35	0.0009	39
5.36	0.0003	13
7.95	0.0003	13
7.96	0.0027	118

Comment: 3S-90 FROM FPID NO. 249035-1-52-01

Node: EX7S91

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.04 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.06	0.0004	17
7.04	0.0004	17
7.05	0.0037	161

Comment: 3S-91 FROM FPID NO. 249035-1-52-01

Node: EX7S92

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 9.70 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0027	118
3.94	0.0027	118
3.95	0.0003	13
9.70	0.0003	13
9.71	0.0027	118

Comment: 3S-92 FROM FPID NO. 249035-1-52-01

Node: EX7S93

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 10.04 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.56	0.0004	17
10.04	0.0004	17
10.05	0.0037	161

Comment: 3S-93 FROM FPID NO. 249035-1-52-01

Node: EX7S94

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 11.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0027	118
3.94	0.0027	118
3.95	0.0003	13
11.43	0.0003	13
11.44	0.0027	118

Comment: 3S-94 FROM FPID NO. 249035-1-52-01

Node: EX7S97

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.56	0.0017	74
7.44	0.0017	74

Stage [ft]	Area [ac]	Area [ft2]
7.45	0.0170	741

Comment: 3S-97 FROM FPID NO. 249035-1-52-01

Node: EX8S01

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 9.27 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0101	440
4.69	0.0101	440
4.70	0.0004	17
9.27	0.0004	17
9.28	0.0037	161

Comment: 4S-01 FROM FPID NO. 249035-1-52-01

Node: EX8S06

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.80 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0012	52
4.69	0.0012	52
4.70	0.0004	17
7.80	0.0004	17
7.81	0.0037	161

Comment: 4S-06 FROM FPID NO. 249035-1-52-01

Node: EX8S101

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.77 ft

Warning Stage: 7.18 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.31	0.0003	13
7.18	0.0003	13
7.19	0.0028	122

Comment: 4S-101 FROM FPID NO. 249035-1-52-01

Node: EX8S12

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.14 ft
Warning Stage: 7.26 ft

Stage [ft]	Area [ac]	Area [ft2]
0.14	0.0004	17
7.26	0.0004	17
7.27	0.0037	161

Comment: 4S-12 FROM FPID NO. 249035-1-52-01

Node: EX8S13

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.94 ft
Warning Stage: 7.64 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.06	0.0003	13
7.64	0.0003	13
7.65	0.0027	118

Comment: 4S-13 FROM FPID NO. 249035-1-52-01

Node: EX8S139D

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft

Warning Stage: 7.88 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.40	0.0044	192
4.44	0.0044	192
4.45	0.0003	13
7.88	0.0003	13
7.89	0.0031	135

Comment: STAGES WERE TAKEN FROM SR 826 SECTION 2 EXISTING DRAINAGE FILE

Node: EX8S15A

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.02 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.66	0.0101	440
4.69	0.0101	440
4.70	0.0004	17
5.68	0.0004	17
5.69	0.0037	161

Comment: 4S-15A FROM FPID NO. 249035-1-52-01

Node: EX8S16

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.74 ft
Warning Stage: 7.35 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.26	0.0003	13
7.35	0.0003	13
7.36	0.0027	118

Comment: 4S-16 FROM FPID NO. 249035-1-52-01

Node: EX8S17

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.26 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0012	52
4.69	0.0012	52
4.70	0.0004	17
5.70	0.0004	17
5.71	0.0037	161

Comment: 4S-17 FROM FPID NO. 249035-1-52-01

Node: EX8S21

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.59 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0012	52
4.69	0.0012	52
4.70	0.0003	13
6.14	0.0003	13
6.15	0.0030	131

Comment: 4S-21 FROM FPID NO. 249035-1-52-01

Node: EX8S25

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 10.25 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.66	0.0003	13
10.25	0.0003	13
10.26	0.0027	118

Comment: 4S-25 FROM FPID NO. 249035-1-52-01

Node: EX8S26

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 9.96 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.76	0.0003	13
9.96	0.0003	13
9.97	0.0027	118

Comment: 4S-26 FROM FPID NO. 249035-1-52-01

Node: EX8S31A

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 9.53 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0041	179
4.94	0.0041	179
4.95	0.0005	22
6.69	0.0005	22
6.70	0.0050	218
9.53	0.1519	6617

Comment: POND 4E-2 (4S-31A) FROM FPID NO. 249035-1-52-01

Node: EX8S40E1

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.40	0.0050	218
4.44	0.0050	218
4.45	0.0003	13
6.87	0.0003	13
6.88	0.0031	135

Comment: STAGES WERE TAKEN FROM SR 826 SECTION 2 EXISTING DRAINAGE FILE

Node: EX8S40W1

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.21 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0018	78
4.69	0.0018	78
4.70	0.0003	13
6.21	0.0003	13
6.22	0.0031	135

Comment: STAGES WERE TAKEN FROM SR 826 SECTION 2 EXISTING DRAINAGE FILE

Node: EX8S40W2

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.01 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0018	78
4.69	0.0018	78
4.70	0.0003	13
7.01	0.0003	13
7.02	0.0031	135

Comment: STAGES WERE TAKEN FROM SR 826 SECTION 2 EXISTING DRAINAGE FILE

Node: EX8S40W3

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.94 ft
Warning Stage: 7.48 ft

Stage [ft]	Area [ac]	Area [ft2]
2.94	0.0004	17
7.48	0.0004	17
7.49	0.0040	174

Comment: STAGES WERE TAKEN FROM SR 826 SECTION 2 EXISTING DRAINAGE FILE

Node: EX8S40W4

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 8.48 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.40	0.0019	83
4.44	0.0019	83
4.45	0.0003	13
8.48	0.0003	13
8.49	0.0031	135

Comment: STAGES WERE TAKEN FROM SR 826 SECTION 2 EXISTING DRAINAGE FILE

Node: EX8S40W5

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0018	78
4.69	0.0018	78
4.70	0.0003	13
5.44	0.0003	13
5.45	0.0031	135

Comment: STAGES WERE TAKEN FROM SR 826 SECTION 2 EXISTING DRAINAGE FILE

Node: EX8S40W6

Scenario: Pre-Development
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.56 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.40	0.0032	139
4.44	0.0032	139
4.45	0.0003	13
7.56	0.0003	13
7.57	0.0031	135

Comment: STAGES WERE TAKEN FROM SR 826 SECTION 2 EXISTING DRAINAGE FILE

Node: EX8S40W7

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.74 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0018	78
4.69	0.0018	78
4.70	0.0003	13
5.74	0.0003	13
5.75	0.0031	135

Comment: STAGES WERE TAKEN FROM SR 826 SECTION 2 EXISTING DRAINAGE FILE

Node: EX8S40W8

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.54 ft
Warning Stage: 5.44 ft

Stage [ft]	Area [ac]	Area [ft2]
1.54	0.0004	17
5.44	0.0004	17
5.45	0.0040	174

Comment: STAGES WERE TAKEN FROM SR 826 SECTION 2 EXISTING DRAINAGE FILE

Node: EX8S40W9

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.54 ft
Warning Stage: 7.74 ft

Stage [ft]	Area [ac]	Area [ft2]
4.54	0.0004	17
7.74	0.0004	17
7.75	0.0040	174

Comment: STAGES WERE TAKEN FROM SR 826 SECTION 2 EXISTING DRAINAGE FILE

Node: EX8S45

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.84 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.33	0.0008	35
6.84	0.0008	35
6.85	0.0078	340

Comment: 4S-45 FROM FPID NO. 249035-1-52-01

Node: EX8S47

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.64 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.26	0.0007	30
6.64	0.0007	30
6.65	0.0073	318

Comment: 4S-47 FROM FPID NO. 249035-1-52-01

Node: EX8S49

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 9.07 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0041	179
4.94	0.0041	179
4.95	0.0009	39
9.07	0.0009	39
9.08	0.0088	383

Comment: 4S-49 FROM FPID NO. 249035-1-52-01

Node: EX8S54

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.69 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.31	0.0029	126
2.94	0.0029	126
2.95	0.0003	13
3.44	0.0003	13
3.45	0.0031	135

Comment: 4S-54 FROM FPID NO. 249035-1-52-01

Node: EX8S56

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 9.91 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.36	0.0006	26
9.91	0.0006	26
9.92	0.0057	248

Comment: 4S-56 FROM FPID NO. 249035-1-52-01

Node: EX8S57

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 4.97 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.31	0.0029	126
2.94	0.0029	126
2.95	0.0003	13
3.44	0.0003	13
3.45	0.0031	135

Comment: SWALE 4E-1 (4S-57) FROM FPID NO. 249035-1-52-01

Node: EX8S5A

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.91 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0012	52
4.69	0.0012	52
4.70	0.0004	17
7.91	0.0004	17
7.92	0.0037	161

Comment: 4S-5A FROM FPID NO. 249035-1-52-01

Node: EX8S67

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.45 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.56	0.0012	52
7.45	0.0012	52
7.46	0.0115	501

Comment: 4S-67 FROM FPID NO. 249035-1-52-01

Node: EX8S70

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.13 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.56	0.0008	35
7.13	0.0008	35
7.14	0.0083	362

Comment: 4S-70 FROM FPID NO. 249035-1-52-01

Node: EX8S72A

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.98 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0020	87
4.69	0.0020	87
4.70	0.0006	26
5.37	0.0006	26
5.38	0.0003	13
7.98	0.0003	13
7.99	0.0027	118

Comment:

Node: EX8S74

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.52 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0053	231
3.94	0.0053	231
3.95	0.0006	26
4.92	0.0006	26
4.93	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
7.52	0.0003	13
7.53	0.0027	118

Comment: 4S-74 FROM FPID NO. 249035-1-52-01

Node: EX8S81

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.91 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0053	231
3.94	0.0053	231
3.95	0.0086	375
4.69	0.0086	375
4.70	0.0003	13
7.91	0.0003	13
7.92	0.0027	118

Comment: 4S-81 FROM FPID NO. 249035-1-52-01

Node: EX8S83

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 8.58 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0026	113
4.19	0.0026	113
4.20	0.0004	17
5.98	0.0004	17
5.99	0.0003	13
8.58	0.0003	13
8.59	0.0027	118

Comment: 4S-83 FROM FPID NO. 249035-1-52-01

Node: EX8S85

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 4.69 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0042	183
4.19	0.0042	183
4.20	0.0005	22
4.69	0.0005	22
4.70	0.0049	213

Comment: 4S-85 FROM FPID NO. 249035-1-52-01

Node: EX8S85B

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 11.23 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.66	0.0042	183
4.19	0.0042	183
4.20	0.0005	22
11.23	0.0005	22
11.24	0.0045	196

Comment: 4S-85B FROM FPID NO. 249035-1-52-01

Node: EX8S87

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.48 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0042	183
4.19	0.0042	183
4.20	0.0041	179
4.69	0.0041	179
4.70	0.0410	1786

Comment: SWALE 4W-1 (4S-87) FROM FPID NO. 249035-1-52-01

Node: EX8S88

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.41 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0042	183
4.19	0.0042	183
4.20	0.0005	22
7.41	0.0005	22
7.42	0.0045	196

Comment: 4S-88 FROM FPID NO. 249035-1-52-01

Node: EX8S98

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.14 ft
Warning Stage: 6.86 ft

Stage [ft]	Area [ac]	Area [ft2]
0.14	0.0003	13
6.86	0.0003	13
6.87	0.0028	122

Comment: 4S-98 FROM FPID NO. 249035-1-52-01

Node: EX8S99

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.64 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.40	0.0050	218

Stage [ft]	Area [ac]	Area [ft2]
4.44	0.0050	218
4.45	0.0003	13
7.64	0.0003	13
7.65	0.0031	135

Comment: 4S-99 FROM FPID NO. 249035-1-52-01

Node: EX9S101

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.24 ft
Warning Stage: 11.78 ft

Stage [ft]	Area [ac]	Area [ft2]
4.24	0.0004	17
11.78	0.0004	17
11.79	0.0035	152

Comment: 5S-101 FROM FPID NO. 249035-1-52-01

Node: EX9S104

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 10.32 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0056	244
4.69	0.0056	244
4.70	0.0006	26
7.98	0.0006	26
7.99	0.0029	126
10.32	0.0029	126
10.33	0.0290	1263

Comment: 5S-104 FROM FPID NO. 249035-1-52-01

Node: EX9S107

Scenario: Pre-Development

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 8.70 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0037	161
4.69	0.0037	161
4.70	0.0003	13
5.44	0.0003	13
5.45	0.0029	126

Comment: 5S-107 FROM FPID NO. 249035-1-52-01

Node: EX9S110

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 9.18 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0056	244
4.69	0.0056	244
4.70	0.0006	26
7.84	0.0006	26
7.85	0.0003	13
9.18	0.0003	13
9.19	0.0029	126

Comment: 5S-110 FROM FPID NO. 249035-1-52-01

Node: EX9S113

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0030	131
4.69	0.0030	131
4.70	0.0003	13
5.44	0.0003	13
5.45	0.0029	126

Comment: 5S-113 FROM FPID NO. 249035-1-52-01

Node: EX9S116

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.24 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0030	131
4.69	0.0030	131
4.70	0.0003	13
5.44	0.0003	13
5.45	0.0031	135

Comment: 5S-116 FROM FPID NO. 249035-1-52-01

Node: EX9S117

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.16 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0022	96
4.69	0.0022	96
4.70	0.0003	13
7.16	0.0003	13
7.17	0.0029	126

Comment: 5S-117 FROM FPID NO. 249035-1-52-01

Node: EX9S119

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.79 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.56	0.0085	370
4.69	0.0085	370
4.70	0.0005	22
6.79	0.0005	22
6.80	0.0045	196

Comment: 5S-119 FROM FPID NO. 249035-1-52-01

Node: EX9S12

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 9.26 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.76	0.0003	13
9.26	0.0003	13
9.27	0.0027	118

Comment: 5S-12 FROM FPID NO. 249035-1-52-01

Node: EX9S125

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0085	370
4.69	0.0085	370
4.70	0.0003	13
5.44	0.0003	13
5.45	0.0031	135

Comment: 5S-125 FROM FPID NO. 249035-1-52-01

Node: EX9S15

Scenario: Pre-Development
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.51 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.46	0.0003	13
6.51	0.0003	13
6.52	0.0027	118

Comment: 5S-15 FROM FPID NO. 249035-1-52-01

Node: EX9S49

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.06 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0029	126
4.69	0.0029	126
4.70	0.0005	22
6.06	0.0005	22
6.07	0.0045	196

Comment: 5S-49 FROM FPID NO. 249035-1-52-01

Node: EX9S55

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 8.20 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.66	0.0029	126
4.69	0.0029	126
4.70	0.0003	13
8.20	0.0003	13
8.21	0.0029	126

Comment: 5S-55 FROM FPID NO. 249035-1-52-01

Node: EX9S57

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.14 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0020	87
4.69	0.0020	87
4.70	0.0004	17
5.14	0.0004	17
5.15	0.0037	161

Comment: 5S-57 FROM FPID NO. 249035-1-52-01

Node: EX9S58

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.07 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0020	87
4.69	0.0020	87
4.70	0.0003	13
6.07	0.0003	13
6.08	0.0029	126

Comment: 5S-58 FROM FPID NO. 249035-1-52-01

Node: EX9S63

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.58 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0018	78
4.69	0.0018	78
4.70	0.0005	22
6.58	0.0005	22
6.59	0.0045	196

Comment: 5S-63 FROM FPID NO. 249035-1-52-01

Node: EX9S69

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.85 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0034	148
4.69	0.0034	148
4.70	0.0005	22
6.85	0.0005	22
6.86	0.0045	196

Comment: 5S-69 FROM FPID NO. 249035-1-52-01

Node: EX9S79

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.34 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0099	431
4.69	0.0099	431
4.70	0.0005	20
6.34	0.0005	20
6.35	0.0045	196

Comment:

Node: EX9S82

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.16	0.0014	61
6.44	0.0014	61

Comment: 5S-82 FROM FPID NO. 249035-1-52-01

Node: EX9S85

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.82 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0023	100
4.69	0.0023	100
4.70	0.0005	22
5.82	0.0005	22
5.83	0.0045	196

Comment:

Node: EX9S87A

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.14 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.46	0.0019	83
4.69	0.0019	83
4.70	0.0005	22
7.14	0.0005	22
7.15	0.0045	196

Comment: 5S-87A FROM FPID NO. 249035-1-52-01

Node: EX9S90

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 1.44 ft
Warning Stage: 6.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0050	218
4.69	0.0050	218
4.70	0.0003	13
5.44	0.0003	13
5.45	0.0029	126

Comment: 5S-90 FROM FPID NO. 249035-1-52-01

Node: EX9S90A

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 8.31 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0018	78
4.69	0.0018	78
4.70	0.0005	22
8.31	0.0005	22
8.32	0.0045	196

Comment: 5S-90A FROM FPID NO. 249035-1-52-01

Node: EX9S91A

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 9.76 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0035	152
4.69	0.0035	152
4.70	0.0005	22
9.76	0.0005	22
9.77	0.0045	196

Comment: 5S-91A FROM FPID NO. 249035-1-52-01

Node: EX9S94

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 12.98 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.56	0.0035	152
4.69	0.0035	152
4.70	0.0003	13
12.98	0.0003	13
12.99	0.0031	135

Comment: 5S-94 FROM FPID NO. 249035-1-52-01

Node: EX9S96

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.06	0.0050	218
4.69	0.0050	218
4.70	0.0005	22
5.44	0.0005	22
5.45	0.0045	196

Comment: 5S-96 FROM FPID NO. 249035-1-52-01

Node: EXCS7AS12+1

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.61 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.16	0.0009	39
6.61	0.0009	39

Comment: 3AS-12 FROM FPID NO. 249035-1-52-01

Node: EXCS7AS12+2

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.61 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.16	0.0009	39
6.61	0.0009	39

Comment: 3AS-12 FROM FPID NO. 249035-1-52-01

Node: EXCS7AS1B+1

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.61 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.16	0.0009	39
6.61	0.0009	39

Comment: 3AS-1B FROM FPID NO. 249035-1-52-01

Node: EXCS7AS1B+2

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.61 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.16	0.0009	39
6.61	0.0009	39

Comment: 3AS-1B FROM FPID NO. 249035-1-52-01

Node: EXCS7S69+1

Scenario: Pre-Development
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.86	0.0007	30
7.44	0.0007	30
7.45	0.0070	305

Comment: 3S-69 FROM FPID NO. 249035-1-52-01

Node: EXCS7S69+2

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.86	0.0007	30
7.44	0.0007	30
7.45	0.0070	305

Comment: 3S-69 FROM FPID NO. 249035-1-52-01

Node: EXCS7S76+1

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.60 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.11	0.0007	30
6.60	0.0007	30
6.61	0.0070	305

Comment: 3S-76 FROM FPID NO. 249035-1-52-01

Node: EXCS7S76+2

Scenario: Pre-Development
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.66 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.11	0.0007	30
6.60	0.0007	30
6.61	0.0070	305

Comment: 3S-76 FROM FPID NO. 249035-1-52-01

Node: EXCS8S66

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.88 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.36	0.0005	22
2.99	0.0005	22
3.00	0.0045	196

Comment: 4S-66 FROM FPID NO. 249035-1-52-01

Node: EXCS9S118+1

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.74 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.56	0.0003	13
6.74	0.0003	13
6.75	0.0030	131

Comment: 5S-118 FROM FPID NO. 249035-1-52-01

Node: EXCS9S118+2

Scenario: Pre-Development
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.74 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.56	0.0006	26
6.74	0.0006	26
6.75	0.0060	261

Comment: 5S-118 FROM FPID NO. 249035-1-52-01

Node: EXCS9S118+3

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.74 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.56	0.0003	13
6.74	0.0003	13
6.75	0.0030	131

Comment: 5S-118 FROM FPID NO. 249035-1-52-01

Node: EXCS9S129+1

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.61 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.91	0.0004	17
7.61	0.0004	17
7.62	0.0040	174

Comment: 5S-129 FROM FPID NO. 249035-1-52-01

Node: EXCS9S129+2

Scenario: Pre-Development
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.61 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.91	0.0004	17
7.61	0.0004	17
7.62	0.0040	174

Comment: 5S-129 FROM FPID NO. 249035-1-52-01

Node: EXCS9S139C+1

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.61 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.91	0.0004	17
7.61	0.0004	17
7.62	0.0040	174

Comment: The information of this structure was assummed to be the same as EX9S129 since the information provided on as-built plans (FPID 249035-1-52-01) does not show drainage structure sheet only shows the structure on plan view.

Node: EXCS9S139C+2

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.61 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.91	0.0004	17
7.61	0.0004	17
7.62	0.0040	174

Comment: The information of this structure was assummed to be the same as EX9S129 since the information provided on as-built plans (FPID 249035-1-52-01) does not show drainage structure sheet only shows the structure on plan view.

Node: EXCS9S80

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.06	0.0005	22
2.99	0.0005	22
3.00	0.0045	196

Comment: 5S-80 FROM FPID NO. 249035-1-52-01

Node: EXCS9S80A

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.06	0.0005	22
2.99	0.0005	22
3.00	0.0045	196

Comment: 5S-80A FROM FPID NO. 249035-1-52-01

Node: PATRICIA LAKE

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: PATRICIA LAKE

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	300.0000	1.44

Comment:

Node: POND 7AB

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.94 ft
Warning Stage: 6.59 ft

Stage [ft]	Area [ac]	Area [ft2]
4.94	0.8100	35284
5.44	0.8600	37462
5.94	0.9100	39640
6.59	0.9700	42253

Comment:

Node: POND 7W1

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.94 ft
Warning Stage: 5.94 ft

Stage [ft]	Area [ac]	Area [ft2]
4.94	0.4600	20038
5.94	0.6000	26136

Comment:

Node: POND 8E1

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.44 ft
Warning Stage: 5.89 ft

Stage [ft]	Area [ac]	Area [ft2]
2.44	1.5721	68481
5.89	2.1132	92051

Comment: POND 4E-1 FROM FPID NO. 249035-1-52-01

Node: POND 8E2

Scenario: Pre-Development

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.69 ft
Warning Stage: 9.53 ft

Stage [ft]	Area [ac]	Area [ft2]
6.69	0.1519	6617
9.53	0.2704	11779

Comment:

Node: POND 9E2

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.44 ft
Warning Stage: 6.07 ft

Stage [ft]	Area [ac]	Area [ft2]
2.44	0.0300	1307
3.44	0.0400	1742
4.44	0.0500	2178
5.44	0.0600	2614

Comment:

Node: POND 9E3

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.44 ft
Warning Stage: 6.87 ft

Stage [ft]	Area [ac]	Area [ft2]
2.44	0.0300	1307
3.44	0.0500	2178
4.44	0.0600	2614
5.44	0.0800	3485

Comment:

Node: POND 9E4

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.44 ft
Warning Stage: 6.94 ft

Stage [ft]	Area [ac]	Area [ft2]
2.44	0.0400	1742
3.44	0.0500	2178
4.44	0.0700	3049
5.44	0.0800	3485
6.44	0.0900	3920
6.94	0.1000	4356

Comment: POND 5E-4 FROM FPID NO. 249035-1-52-01

Node: POND 9E5

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.44 ft
Warning Stage: 6.24 ft

Stage [ft]	Area [ac]	Area [ft2]
2.44	0.4500	19602
3.44	0.5100	22216
4.44	0.5600	24394
5.44	0.6200	27007

Comment: POND 5E-5 FROM FPID NO. 249035-1-52-01

Node: POND 9E6

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.44 ft

Stage [ft]	Area [ac]	Area [ft2]
2.44	0.0600	2614
3.44	0.0800	3485
4.44	0.0900	3920
5.44	0.1100	4792

Comment: POND 5E-6 FROM FPID NO. 249035-1-52-01

Node: POND 9W1

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.44 ft
Warning Stage: 6.44 ft

Stage [ft]	Area [ac]	Area [ft2]
5.44	0.1200	5227
6.44	0.1900	8276

Comment:

Node: POND 9W2

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.44 ft
Warning Stage: 8.70 ft

Stage [ft]	Area [ac]	Area [ft2]
5.44	0.1100	4792
6.44	0.1400	6098
7.44	0.1600	6970
8.69	0.1900	8276
8.70	0.5000	21780

Comment:

Node: POND 9W3

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.44 ft
Warning Stage: 6.44 ft

Stage [ft]	Area [ac]	Area [ft2]
5.44	0.1300	5663
6.44	0.1600	6970
7.44	0.1900	8276

Comment:

Node: POND 9W4

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.44 ft
Warning Stage: 7.24 ft

Stage [ft]	Area [ac]	Area [ft2]
5.44	0.0100	436
6.44	0.0200	871
7.44	0.0300	1307

Comment:

Node: POND 9W5

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.44 ft
Warning Stage: 7.44 ft

Stage [ft]	Area [ac]	Area [ft2]
5.44	0.2417	10528
6.44	0.3226	14052

Comment:

Node: SWALE 7W1

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.14 ft
Warning Stage: 6.49 ft

Stage [ft]	Area [ac]	Area [ft2]
3.14	0.0600	2614
6.49	0.0800	3485

Comment:

Node: SWALE 8E1

Scenario: Pre-Development

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.44 ft
Warning Stage: 4.97 ft

Stage [ft]	Area [ac]	Area [ft2]
3.44	0.1965	8560
4.97	0.2680	11674

Comment:

Node: SWALE 8W1

Scenario: Pre-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.69 ft
Warning Stage: 5.48 ft

Stage [ft]	Area [ac]	Area [ft2]
4.69	0.1000	4356
5.48	0.1600	6970

Comment:

Node: TROPICAL PARK LAKE

Scenario: Pre-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: TROPICAL PARK LAKE

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	300.0000	1.44

Comment:

Rating Curve Link: EX 7S86_7GW9

Scenario: Pre-Development
From Node: EX7S86
To Node: 7GW9

Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S86_7GW9	1.44	EX7S86	1.44	EX7S86

Comment:

Pipe Link: EX 9S15_POND9E5		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.54 ft	Invert:	2.44 ft
From Node:	EX9S15	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 9E5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	307.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX01_EX03		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.81 ft	Invert:	2.53 ft
From Node:	EX01	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	EX03	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	550.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX03_S97	Upstream	Downstream

Scenario:	Pre-Development	Invert:	1.49 ft	Invert:	1.44 ft
From Node:	EX03	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	EX7S97	Geometry: Circular		Geometry: Circular	
Link Count:	3	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	135.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX04_TPL		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	6.44 ft	Invert:	0.61 ft
From Node:	EX04	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	TROPICAL PARK	Geometry: Circular		Geometry: Circular	
	LAKE	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	258.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX7AS01_7GW1

Scenario:	Pre-Development
From Node:	EX7AS01
To Node:	7GW1
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7AS01_7GW1	1.44	EX7AS01	1.44	EX7AS01

Comment:

Pipe Link: EX7AS01_S1B		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	0.94 ft	Invert:	0.84 ft
From Node:	EX7AS01	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EXCS7AS1B+1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	20.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX7AS01_WEIR			
Scenario:	Pre-Development	Bottom Clip	
From Node:	POND 7AB	Default:	0.00 ft
To Node:	EX7AS01	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.94 ft	Discharge Coefficients	
Control Elevation:	4.94 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	4.50 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EX7AS02_S01		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	5.11 ft	Invert:	4.94 ft
From Node:	EX7AS02	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7AS01	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	19.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7AS03_S02		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	7.17 ft	Invert:	4.56 ft
From Node:	EX7AS03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7AS02	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	138.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7AS08_S11		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	7.04 ft	Invert:	4.94 ft
From Node:	EX7AS08	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7AS11	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	163.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX7AS11_7GW1	
Scenario:	Pre-Development
From Node:	EX7AS11

To Node: 7GW1
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7AS01_7GW1	1.44	EX7AS11	1.44	EX7AS11

Comment:

Pipe Link: EX7AS11_S01		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX7AS11	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7AS01	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	758.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Pipe Link: EX7AS11_S12		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	0.94 ft	Invert:	0.84 ft
From Node:	EX7AS11	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EXCS7AS12+1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	25.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7AS1A_S11		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.94 ft	Invert:	0.94 ft
From Node:	EX7S1A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7AS11	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	32.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX7S03_S1A		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	2.34 ft	Invert:	1.94 ft
From Node:	EX7S03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S1A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX7S03_S8A		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	2.34 ft	Invert:	0.24 ft
From Node:	EX7S03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S8A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	246.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX7S11_7GW3

Scenario: Pre-Development
From Node: EX7S11
To Node: 7GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S11_7GW3	1.44	EX7S11	1.44	EX7S11

Comment:

Rating Curve Link: EX7S11_GW2

Scenario: Pre-Development
From Node: EX7S11
To Node: 7GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S8A_7GW2	1.44	EX7S11	1.44	EX7S11

Comment:

Pipe Link: EX7S11_S68

		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX7S11	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S68	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	236.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

	Manning's N: 0.0000		Manning's N: 0.0000

Comment: Existing French drain.

Rating Curve Link: EX7S13_7GW4

Scenario: Pre-Development
From Node: EX7S13
To Node: 7GW4
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S13_7GW4	1.44	EX7S13	1.44	EX7S13

Comment:

Pipe Link: EX7S13_S11		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	5.34 ft	Invert:	2.04 ft
From Node:	EX7S13	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S11	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	188.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7S15_S69		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	-2.76 ft	Invert:	-2.83 ft
From Node:	EX7S15	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	EXCS7S69+1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	58.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7S16_S15		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	-2.56 ft	Invert:	-2.75 ft
From Node:	EX7S16	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	EX7S15	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	68.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7S18_S16		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	-2.51 ft	Invert:	-2.56 ft
From Node:	EX7S18	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	EX7S16	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7S22_S15		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	0.04 ft	Invert:	-0.56 ft

From Node:	EX7S22	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S15	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	213.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX7S27_7GW5

Scenario:	Pre-Development
From Node:	EX7S27
To Node:	7GW5
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S27_7GW5	1.44	EX7S27	1.44	EX7S27

Comment:

Pipe Link: EX7S27_S22		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	0.44 ft
From Node:	EX7S27	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S22	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	214.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX7S32_7GW5

Scenario: Pre-Development
From Node: EX7S32
To Node: 7GW5
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S27_7GW5	1.44	EX7S32	1.44	EX7S32

Comment:

Rating Curve Link: EX7S32_7GW6

Scenario: Pre-Development
From Node: EX7S32
To Node: 7GW6
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S32_7GW6	1.44	EX7S32	1.44	EX7S32

Comment:

Pipe Link: EX7S32_S27

Scenario: Pre-Development
From Node: EX7S32
To Node: EX7S27
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 251.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	1.44 ft	Invert:	1.44 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX7S41_7GW6

Scenario: Pre-Development
From Node: EX7S41

To Node: 7GW6
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S32_7GW6	1.44	EX7S41	1.44	EX7S41

Comment:

Pipe Link: EX7S41_S32		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX7S41	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S32	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	374.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Pipe Link: EX7S41_S66		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	3.94 ft	Invert:	3.64 ft
From Node:	EX7S41	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S66	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	64.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX7S45_7GW8

Scenario: Pre-Development
From Node: EX7S45
To Node: 7GW8
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S66_7GW8	1.44	EX7S45	1.44	EX7S45

Comment:

Pipe Link: EX7S45_S86

Scenario: Pre-Development
From Node: EX7S45
To Node: EX7S86
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 75.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	1.54 ft	Invert:	1.24 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX7S66_7GW8

Scenario: Pre-Development
From Node: EX7S66
To Node: 7GW8
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S66_7GW8	1.44	EX7S66	1.44	EX7S66

Comment:

Pipe Link: EX7S66_S45

Scenario: Pre-Development
From Node: EX7S66

Upstream		Downstream	
Invert:	1.44 ft	Invert:	1.44 ft
Manning's N:	0.0120	Manning's N:	0.0120

To Node:	EX7S45	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	409.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX7S68_7GW3

Scenario: Pre-Development
From Node: EX7S68
To Node: 7GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S11_7GW3	1.44	EX7S68	1.44	EX7S68

Comment:

Pipe Link: EX7S68_S69		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	0.94 ft
From Node:	EX7S68	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EXCS7S69+1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	8.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7S71_S69		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.54 ft	Invert:	1.44 ft
From Node:	EX7S71	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EXCS7S69+1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	9.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX7S74_S71		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	2.44 ft	Invert:	1.54 ft
From Node:	EX7S74	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S71	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	325.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX7S74_S76		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	2.44 ft	Invert:	1.24 ft
From Node:	EX7S74	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EXCS7S76+1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	191.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX7S74_WEIR

Scenario:	Pre-Development
From Node:	SWALE 7W1
To Node:	EX7S74
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	5.49 ft
Control Elevation:	5.49 ft
Max Depth:	3.00 ft
Max Width:	4.50 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Rating Curve Link: EX7S77_7GW7

Scenario:	Pre-Development
From Node:	EX7S77
To Node:	7GW7
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S77_7GW7	1.44	EX7S77	1.44	EX7S77

Comment:

Pipe Link: EX7S77_S76

Scenario:	Pre-Development
From Node:	EX7S77
To Node:	EXCS7S76+1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	155.50 ft
FHWA Code:	0

Upstream

Invert:	1.44 ft
Manning's N:	0.0120

Geometry: Circular

Max Depth:	2.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Downstream

Invert:	1.24 ft
Manning's N:	0.0120

Geometry: Circular

Max Depth:	2.00 ft

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX7S77_WEIR

Scenario:	Pre-Development	Bottom Clip	
From Node:	POND 7W1	Default:	0.00 ft
To Node:	EX7S77	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.94 ft	Discharge Coefficients	
Control Elevation:	4.94 ft	Weir Default:	2.800
Max Depth:	3.08 ft	Weir Table:	
Max Width:	4.08 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EX7S78_S77

Scenario:	Pre-Development	Upstream		Downstream	
From Node:	EX7S78	Invert:	5.04 ft	Invert:	4.94 ft
To Node:	EX7S77	Manning's N:	0.0120	Manning's N:	0.0120
Link Count:	1	Geometry: Circular		Geometry: Circular	
Flow Direction:	Both	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Damping:	0.0000 ft	Bottom Clip			
Length:	66.50 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00	Top Clip			
Bend Location:	0.00 ft	Default:	0.00 ft	Default:	0.00 ft
Energy Switch:	Energy	Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX7S86_7GW7

Scenario: Pre-Development
From Node: EX7S86
To Node: 7GW7
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S77_7GW7	1.44	EX7S86	1.44	EX7S86

Comment:

Pipe Link: EX7S86_S77		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX7S86	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S77	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	688.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX7S8A_7GW2

Scenario: Pre-Development
From Node: EX7S8A
To Node: 7GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S8A_7GW2	1.44	EX7S8A	1.44	EX7S8A

Comment:

Pipe Link: EX7S8A_S11		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX7S8A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S11	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	93.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX7S90_7GW10

Scenario: Pre-Development
From Node: EX7S90
To Node: 7GW10
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S90_7GW10	1.44	EX7S90	1.44	EX7S90

Comment:

Rating Curve Link: EX7S90_7GW9

Scenario: Pre-Development
From Node: EX7S90
To Node: 7GW9
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S86_7GW9	1.44	EX7S90	1.44	EX7S90

Comment:

Pipe Link: EX7S90_S72A

		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX7S90	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S72A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	145.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7S90_S86		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX7S90	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S86	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	261.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Pipe Link: EX7S91_S18		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	0.94 ft	Invert:	0.74 ft
From Node:	EX7S91	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S18	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	74.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX7S92_7GW11

Scenario: Pre-Development
From Node: EX7S92
To Node: 7GW11
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S92_7GW11	1.44	EX7S92	1.44	EX7S92

Comment:

Pipe Link: EX7S92_S91		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	0.94 ft
From Node:	EX7S92	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S91	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7S92_S94		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX7S92	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S94	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	226.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Pipe Link: EX7S93_S18		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	0.62 ft	Invert:	-2.06 ft
From Node:	EX7S93	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S18	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	150.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX7S94_7GW11

Scenario: Pre-Development
From Node: EX7S94
To Node: 7GW11
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S92_7GW11	1.44	EX7S94	1.44	EX7S94

Comment:

Pipe Link: EX7S94_S93		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.34 ft
From Node:	EX7S94	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S93	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	12.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7S97_S93		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	0.62 ft
From Node:	EX7S97	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	EX7S93	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	220.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX8S01_8GW1

Scenario: Pre-Development
From Node: EX8S01
To Node: 8GW1
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S01_8GW1	1.44	EX8S01	1.44	EX8S01

Comment:

Pipe Link: EX8S01_S15A		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX8S01	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S15A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	877.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX8S06_8GW3

Scenario: Pre-Development
From Node: EX8S06
To Node: 8GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S5A_8GW3	1.44	EX8S06	1.44	EX8S06

Comment:

Pipe Link: EX8S06_S12		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	2.44 ft	Invert:	2.14 ft
From Node:	EX8S06	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S12	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	292.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S101_S70		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.77 ft	Invert:	-3.56 ft
From Node:	EX8S101	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S70	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	270.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S12_S13		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	2.14 ft	Invert:	1.94 ft
From Node:	EX8S12	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S13	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	97.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S12_S74		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	2.14 ft	Invert:	1.44 ft
From Node:	EX8S12	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S74	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	78.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX8S139D_8GW14

Scenario: Pre-Development
From Node: EX8S139D
To Node: 8GW14
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S40W6_8GW14	1.44	EX8S139D	1.44	EX8S139D

Comment:

Rating Curve Link: EX8S139D_8GW15

Scenario: Pre-Development
From Node: EX8S139D
To Node: 8GW15
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S139D_8GW15	1.44	EX8S139D	1.44	EX8S139D

Comment:

Pipe Link: EX8S139D_S99		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX8S139D	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	EX8S99	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	512.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing trench.

Pipe Link: EX8S13_S16		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.94 ft	Invert:	1.74 ft
From Node:	EX8S13	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S16	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	118.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX8S15A_8GW1

Scenario: Pre-Development
From Node: EX8S15A
To Node: 8GW1
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S01_8GW1	1.44	EX8S15A	1.44	EX8S15A

Comment:

Pipe Link: EX8S15A_S17		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.54 ft	Invert:	1.44 ft
From Node:	EX8S15A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S17	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	21.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S16_S17		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.74 ft	Invert:	1.44 ft
From Node:	EX8S16	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S17	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	110.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S16_S25		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.74 ft	Invert:	1.34 ft
From Node:	EX8S16	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S25	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	340.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX8S17_8GW2

Scenario:	Pre-Development
From Node:	EX8S17
To Node:	8GW2
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S17_8GW2	1.44	EX8S17	1.44	EX8S17

Comment:

Pipe Link: EX8S17_S21		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX8S17	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S21	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	109.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX8S21_8GW2

Scenario: Pre-Development
From Node: EX8S21
To Node: 8GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S17_8GW2	1.44	EX8S21	1.44	EX8S21

Comment:

Pipe Link: EX8S21_S45		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	0.94 ft	Invert:	0.67 ft
From Node:	EX8S21	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S45	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	25.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S25_S26		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.34 ft	Invert:	1.24 ft
From Node:	EX8S25	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S26	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	93.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S26_S49		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.24 ft	Invert:	1.04 ft
From Node:	EX8S26	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S49	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	135.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX8S31A_8GW9

Scenario:	Pre-Development
From Node:	EX8S31A
To Node:	8GW9
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S49_8GW9	1.44	EX8S31A	1.44	EX8S31A

Comment:

Pipe Link: EX8S31A_PND8E1		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	2.64 ft	Invert:	2.44 ft
From Node:	EX8S31A	Manning's N:	0.0120	Manning's N:	0.0120

		Geometry: Circular		Geometry: Circular	
To Node:	POND 8E1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	2	Bottom Clip		Bottom Clip	
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	194.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip		Top Clip	
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX8S31A_WEIR

		Bottom Clip	
Scenario:	Pre-Development	Default:	0.00 ft
From Node:	POND 8E2	Op Table:	
To Node:	EX8S31A	Ref Node:	
Link Count:	1	Top Clip	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Horizontal	Ref Node:	
Geometry Type:	Rectangular	Discharge Coefficients	
Invert:	6.69 ft	Weir Default:	2.800
Control Elevation:	6.69 ft	Weir Table:	
Max Depth:	3.00 ft	Orifice Default:	0.600
Max Width:	5.83 ft	Orifice Table:	
Fillet:	0.00 ft		

Comment:

Pipe Link: EX8S40E1_S99

		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX8S40E1	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	EX8S99	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	584.00 ft	Bottom Clip		Bottom Clip	
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip		Top Clip	
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	

	Ref Node:		Ref Node:
	Manning's N: 0.0000		Manning's N: 0.0000

Comment: Existing trench.

Rating Curve Link: EX8S40W1_8GW11

Scenario: Pre-Development
From Node: EX8S40W1
To Node: 8GW11
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S40W1_8GW11	1.44	EX8S40W1	1.44	EX8S40W1

Comment:

Pipe Link: EX8S40W1_W2

Scenario: Pre-Development
From Node: EX8S40W1
To Node: EX8S40W2
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 159.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	1.44 ft	Invert:	1.44 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX8S40W2_8GW11

Scenario: Pre-Development
From Node: EX8S40W2
To Node: 8GW11
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S40W1_8GW11	1.44	EX8S40W2	1.44	EX8S40W2

Comment:

Pipe Link: EX8S40W2_W3		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	3.08 ft	Invert:	2.94 ft
From Node:	EX8S40W2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S40W3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	115.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S40W3_W4		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	2.94 ft	Invert:	2.94 ft
From Node:	EX8S40W3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S40W4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	335.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX8S40W4_8GW13

Scenario: Pre-Development
From Node: EX8S40W4
To Node: 8GW13
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S40W4_8GW13	1.44	EX8S40W4	1.44	EX8S40W4

Comment:

Pipe Link: EX8S40W4_W6		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX8S40W4	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	EX8S40W6	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	225.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing trench.

Rating Curve Link: EX8S40W5_8GW12	
Scenario:	Pre-Development
From Node:	EX8S40W5
To Node:	8GW12
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S40W5_8GW12	1.44	EX8S40W5	1.44	EX8S40W5

Comment:

Pipe Link: EX8S40W5_W7		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX8S40W5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S40W7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	155.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX8S40W6_8GW13

Scenario: Pre-Development
From Node: EX8S40W6
To Node: 8GW13
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S40W4_8GW13	1.44	EX8S40W6	1.44	EX8S40W6

Comment:

Rating Curve Link: EX8S40W6_8GW14

Scenario: Pre-Development
From Node: EX8S40W6
To Node: 8GW14
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S40W6_8GW14	1.44	EX8S40W6	1.44	EX8S40W6

Comment:

Pipe Link: EX8S40W6_S139D

Scenario: Pre-Development
From Node: EX8S40W6
To Node: EX8S139D
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 369.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	1.44 ft	Invert:	1.44 ft
Manning's N:	0.0300	Manning's N:	0.0300
Geometry: Rectangular		Geometry: Rectangular	
Max Depth:	3.00 ft	Max Depth:	3.00 ft
Max Width:	3.00 ft	Max Width:	3.00 ft
Fillet:	0.00 ft	Fillet:	0.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing trench.

Rating Curve Link: EX8S40W7_8GW12

Scenario: Pre-Development
From Node: EX8S40W7
To Node: 8GW12
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S40W5_8GW12	1.44	EX8S40W7	1.44	EX8S40W7

Comment:

Pipe Link: EX8S40W7_W6		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	3.08 ft	Invert:	3.31 ft
From Node:	EX8S40W7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S40W6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	110.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S40W8_W7		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.54 ft	Invert:	1.44 ft
From Node:	EX8S40W8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S40W7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	108.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S40W9_S139D		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	4.54 ft	Invert:	4.75 ft
From Node:	EX8S40W9	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S139D	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	78.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX8S45_S47		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.07 ft	Invert:	0.88 ft
From Node:	EX8S45	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S47	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	3.17 ft	Max Depth:	3.17 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	300.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX8S47_S56		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.24 ft	Invert:	0.64 ft
From Node:	EX8S47	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S56	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	558.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX8S49_8GW9

Scenario: Pre-Development
From Node: EX8S49
To Node: 8GW9
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S49_8GW9	1.44	EX8S49	1.44	EX8S49

Comment:

Pipe Link: EX8S49_S31A

		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX8S49	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S31A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	292.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX8S54_8GW4

Scenario: Pre-Development
From Node: EX8S54
To Node: 8GW4
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S54_8GW4	1.44	EX8S54	1.44	EX8S54

Comment:

Pipe Link: EX8S54_S57		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	0.19 ft	Invert:	0.19 ft
From Node:	EX8S54	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S57	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	24.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Pipe Link: EX8S56_PND8E1		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	2.64 ft	Invert:	2.44 ft
From Node:	EX8S56	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 8E1	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	125.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX8S57_8GW4	
Scenario:	Pre-Development
From Node:	EX8S57
To Node:	8GW4
Link Count:	1

Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S54_8GW4	1.44	EX8S57	1.44	EX8S57

Comment:

Pipe Link: EX8S57_S56		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	3.44 ft	Invert:	2.64 ft
From Node:	EX8S57	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S56	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	16.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX8S57_WEIR			
Scenario:	Pre-Development	Bottom Clip	
From Node:	SWALE 8E1	Default:	0.00 ft
To Node:	EX8S57	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.44 ft	Discharge Coefficients	
Control Elevation:	3.44 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	4.50 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Rating Curve Link: EX8S5A_8GW3	
Scenario:	Pre-Development
From Node:	EX8S5A

To Node: 8GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S5A_8GW3	1.44	EX8S5A	1.44	EX8S5A

Comment:

Pipe Link: EX8S5A_S06		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX8S5A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S06	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	110.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Pipe Link: EX8S66_S67		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	-3.36 ft	Invert:	-3.56 ft
From Node:	EXCS8S66	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S67	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	79.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S67_S70		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	-3.56 ft	Invert:	-3.56 ft
From Node:	EX8S67	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S70	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	75.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S70_CANAL1		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	-3.56 ft	Invert:	-4.16 ft
From Node:	EX8S70	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CANAL 1	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	1600.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX8S72A_7GW10

Scenario: Pre-Development
From Node: EX8S72A
To Node: 7GW10
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S72A_8GW10	1.44	EX8S72A	1.44	EX8S72A

Comment:

Rating Curve Link: EX8S72A_8GW10

Scenario: Pre-Development
From Node: EX8S72A
To Node: 8GW10
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S72A_8GW10	1.44	EX8S72A	1.44	EX8S72A

Comment:

Rating Curve Link: EX8S74_8GW10

Scenario: Pre-Development
From Node: EX8S74
To Node: 8GW10
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S72A_8GW10	1.44	EX8S74	1.44	EX8S74

Comment:

Rating Curve Link: EX8S74_8GW5

Scenario: Pre-Development
From Node: EX8S74
To Node: 8GW5
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S74_8GW5	1.44	EX8S74	1.44	EX8S74

Comment:

Pipe Link: EX8S74_S72A

Scenario: Pre-Development
From Node: EX8S74
To Node: EX8S72A
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 145.00 ft
FHWA Code: 0

Upstream		Downstream	
Invert:	1.44 ft	Invert:	1.44 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Pipe Link: EX8S74_S81		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX8S74	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S81	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	456.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX8S81_8GW5

Scenario: Pre-Development
From Node: EX8S81
To Node: 8GW5
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S74_8GW5	1.44	EX8S81	1.44	EX8S81

Comment:

Rating Curve Link: EX8S81_8GW6

Scenario: Pre-Development
From Node: EX8S81
To Node: 8GW6
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S81_8GW6	1.44	EX8S81	1.44	EX8S81

Comment:

Pipe Link: EX8S81_S25		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.64 ft	Invert:	1.34 ft
From Node:	EX8S81	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S25	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	181.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S81_S83		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX8S81	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S83	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	219.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX8S83_8GW6	
Scenario:	Pre-Development
From Node:	EX8S83

To Node: 8GW6
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S81_8GW6	1.44	EX8S83	1.44	EX8S83

Comment:

Pipe Link: EX8S83_S85		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX8S83	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S85	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	394.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX8S85B_8GW8

Scenario: Pre-Development
From Node: EX8S85B
To Node: 8GW8
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S85B_8GW8	1.44	EX8S85B	1.44	EX8S85B

Comment:

Pipe Link: EX8S85B_S88		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX8S85B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S88	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	359.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX8S85_8GW7

Scenario: Pre-Development
From Node: EX8S85
To Node: 8GW7
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S85_8GW7	1.44	EX8S85	1.44	EX8S85

Comment:

Pipe Link: EX8S85_S85B		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.54 ft	Invert:	1.44 ft
From Node:	EX8S85	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S85B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	72.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S85_S87		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX8S85	Manning's N:	0.0120	Manning's N:	0.0120

To Node:	EX8S87	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	358.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX8S87_8GW7

Scenario: Pre-Development
From Node: EX8S87
To Node: 8GW7
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S85_8GW7	1.44	EX8S87	1.44	EX8S87

Comment:

Pipe Link: EX8S87_S88		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	0.94 ft	Invert:	0.74 ft
From Node:	EX8S87	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S88	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	79.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX8S87_WEIR			
Scenario:	Pre-Development	Bottom Clip	
From Node:	SWALE 8W1	Default:	0.00 ft
To Node:	EX8S87	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.69 ft	Discharge Coefficients	
Control Elevation:	4.69 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	4.50 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Rating Curve Link: EX8S88_8GW8	
Scenario:	Pre-Development
From Node:	EX8S88
To Node:	8GW8
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S85B_8GW8	1.44	EX8S88	1.44	EX8S88

Comment:

Pipe Link: EX8S88_S98		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.24 ft	Invert:	2.14 ft
From Node:	EX8S88	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S98	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	279.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S98_PND8E1		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	2.14 ft	Invert:	2.44 ft
From Node:	EX8S98	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 8E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	167.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX8S99_8GW15

Scenario: Pre-Development
From Node: EX8S99
To Node: 8GW15
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S139D_8GW15	1.44	EX8S99	1.44	EX8S99

Comment:

Rating Curve Link: EX8S99_8GW16

Scenario: Pre-Development
From Node: EX8S99
To Node: 8GW16
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S99_8GW16	1.44	EX8S99	1.44	EX8S99

Comment:

Pipe Link: EX8S99_S101		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	2.44 ft	Invert:	2.12 ft
From Node:	EX8S99	Manning's N:	0.0150	Manning's N:	0.0150

To Node:	EX8S101	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	105.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX9S101_S96		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	6.24 ft	Invert:	1.94 ft
From Node:	EX9S101	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S96	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	315.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX9S104_9GW6

Scenario:	Pre-Development
From Node:	EX9S104
To Node:	9GW6
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S104_9GW6	1.44	EX9S104	1.44	EX9S104

Comment:

Pipe Link: EX9S104_S12		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	2.74 ft	Invert:	2.24 ft
From Node:	EX9S104	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S12	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	225.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX9S107_9GW7

Scenario: Pre-Development
From Node: EX9S107
To Node: 9GW7
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S107_9GW7	1.44	EX9S107	1.44	EX9S107

Comment:

Pipe Link: EX9S107_S113		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.64 ft	Invert:	1.44 ft
From Node:	EX9S107	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S113	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	125.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX9S107_WEIR			
Scenario:	Pre-Development	**Bottom Clip**	
From Node:	POND 9W2	Default:	0.00 ft
To Node:	EX9S107	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.44 ft	**Discharge Coefficients**	
Control Elevation:	5.44 ft	Weir Default:	2.800
Max Depth:	3.08 ft	Weir Table:	
Max Width:	4.08 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Rating Curve Link: EX9S110_9GW6	
Scenario:	Pre-Development
From Node:	EX9S110
To Node:	9GW6
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S104_9GW6	1.44	EX9S110	1.44	EX9S110

Comment:

Pipe Link: EX9S110_S104		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX9S110	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S104	**Geometry: Circular**		**Geometry: Circular**	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	**Bottom Clip**			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	484.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	**Top Clip**			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Pipe Link: EX9S110_S107		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.84 ft
From Node:	EX9S110	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S107	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	92.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX9S113_9GW8

Scenario: Pre-Development
From Node: EX9S113
To Node: 9GW8
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S113_9GW8	1.44	EX9S113	1.44	EX9S113

Comment:

Pipe Link: EX9S113_S116		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX9S113	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S116	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	250.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Weir Link: EX9S113_WEIR

Scenario:	Pre-Development
From Node:	POND 9W3
To Node:	EX9S113
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	5.44 ft
Control Elevation:	5.44 ft
Max Depth:	3.08 ft
Max Width:	4.08 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Rating Curve Link: EX9S116_9GW8

Scenario:	Pre-Development
From Node:	EX9S116
To Node:	9GW8
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S113_9GW8	1.44	EX9S116	1.44	EX9S116

Comment:

Rating Curve Link: EX9S116_9GW9

Scenario:	Pre-Development
From Node:	EX9S116
To Node:	9GW9
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S116_9GW9	1.44	EX9S116	1.44	EX9S116

Comment:

Pipe Link: EX9S116_S117

Scenario:	Pre-Development
From Node:	EX9S116
To Node:	EX9S117

Upstream

Invert:	1.44 ft
Manning's N:	0.0120
Geometry:	Circular

Downstream

Invert:	1.44 ft
Manning's N:	0.0120
Geometry:	Circular

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	185.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Weir Link: EX9S116_WEIR

Scenario:	Pre-Development	Bottom Clip	
From Node:	POND 9W4	Default:	0.00 ft
To Node:	EX9S116	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.44 ft	Discharge Coefficients	
Control Elevation:	5.44 ft	Weir Default:	2.800
Max Depth:	3.08 ft	Weir Table:	
Max Width:	4.08 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Rating Curve Link: EX9S117_9GW9

Scenario:	Pre-Development
From Node:	EX9S117
To Node:	9GW9
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S116_9GW9	1.44	EX9S117	1.44	EX9S117

Comment:

Pipe Link: EX9S117_S118

		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	0.44 ft

From Node:	EX9S117	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EXCS9S118+1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	42.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX9S119_9GW10

Scenario: Pre-Development
From Node: EX9S119
To Node: 9GW10
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S119_9GW10	1.44	EX9S119	1.44	EX9S119

Comment:

Pipe Link: EX9S119_S118		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	0.44 ft
From Node:	EX9S119	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EXCS9S118+3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	8.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX9S125_9GW10

Scenario: Pre-Development
From Node: EX9S125
To Node: 9GW10
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S119_9GW10	1.44	EX9S125	1.44	EX9S125

Comment:

Pipe Link: EX9S125_S119

Scenario: Pre-Development
From Node: EX9S125
To Node: EX9S119
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 715.50 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	1.44 ft	Invert:	1.44 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Weir Link: EX9S125_WEIR

Scenario: Pre-Development
From Node: POND 9W5
To Node: EX9S125
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 5.44 ft
Control Elevation: 5.44 ft
Max Depth: 3.08 ft
Max Width: 4.08 ft
Fillet: 0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: EX9S12_PND9E4		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.24 ft	Invert:	2.44 ft
From Node:	EX9S12	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 9E4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	198.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX9S12_S15		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.24 ft	Invert:	1.54 ft
From Node:	EX9S12	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S15	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	204.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX9S40E1_8GW16

Scenario: Pre-Development
From Node: EX8S40E1
To Node: 8GW16
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S99_8GW16	1.44	EX8S40E1	1.44	EX8S40E1

Comment:

Rating Curve Link: EX9S49_9GW15

Scenario: Pre-Development
From Node: EX9S49
To Node: 9GW15
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S49_9GW15	1.44	EX9S49	1.44	EX9S49

Comment:

Pipe Link: EX9S49_S129

Scenario: Pre-Development
From Node: EX9S49
To Node: EXCS9S129+1
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 20.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	0.94 ft	Invert:	0.84 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.50 ft	Max Depth:	2.50 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX9S55_9GW15

Scenario: Pre-Development
From Node: EX9S55
To Node: 9GW15
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S49_9GW15	1.44	EX9S55	1.44	EX9S55

Comment:

Pipe Link: EX9S55_S49

Scenario: Pre-Development
From Node: EX9S55

Upstream		Downstream	
Invert:	1.44 ft	Invert:	1.44 ft
Manning's N:	0.0120	Manning's N:	0.0120

		Geometry: Circular		Geometry: Circular	
To Node:	EX9S49	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	289.50 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX9S57_9GW1

Scenario: Pre-Development
From Node: EX9S57
To Node: 9GW1
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S57_9GW1	1.44	EX9S57	1.44	EX9S57

Comment:

Pipe Link: EX9S57_S55

		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.64 ft	Invert:	1.44 ft
From Node:	EX9S57	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S55	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX9S58_9GW1

Scenario: Pre-Development
From Node: EX9S58
To Node: 9GW1
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S57_9GW1	1.44	EX9S58	1.44	EX9S58

Comment:

Pipe Link: EX9S58_S57

Scenario: Pre-Development
From Node: EX9S58
To Node: EX9S57
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 172.50 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	1.44 ft	Invert:	1.44 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX9S63_9GW2

Scenario: Pre-Development
From Node: EX9S63
To Node: 9GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S63_9GW2	1.44	EX9S63	1.44	EX9S63

Comment:

Rating Curve Link: EX9S69_9GW3

Scenario: Pre-Development
From Node: EX9S69

To Node: 9GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S69_9GW3	1.44	EX9S69	1.44	EX9S69

Comment:

Rating Curve Link: EX9S79_9GW4

Scenario: Pre-Development
From Node: EX9S79
To Node: 9GW4
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S79_9GW4	1.44	EX9S79	1.44	EX9S79

Comment:

Pipe Link: EX9S82_CANAL2

Scenario: Pre-Development
From Node: EX9S82
To Node: CANAL 2
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 300.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	1.02 ft	Invert:	-1.56 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.50 ft	Max Depth:	2.50 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX9S85_9GW5

Scenario: Pre-Development
From Node: EX9S85
To Node: 9GW5
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S85_9GW5	1.44	EX9S85	1.44	EX9S85

Comment:

Rating Curve Link: EX9S87A_9GW11

Scenario: Pre-Development
From Node: EX9S87A
To Node: 9GW11
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S87A_9GW11	1.44	EX9S87A	1.44	EX9S87A

Comment:

Pipe Link: EX9S87A_S139C		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX9S87A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EXCS9S139C+1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	65.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX9S87A_S91A		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX9S87A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S91A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	165.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX9S90A_9GW13

Scenario: Pre-Development
From Node: EX9S90A
To Node: 9GW13
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S90A_9GW13	1.44	EX9S90A	1.44	EX9S90A

Comment:

Pipe Link: EX9S90A_S90		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.34 ft	Invert:	1.44 ft
From Node:	EX9S90A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S90	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	34.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX9S90_9GW14

Scenario: Pre-Development
From Node: EX9S90
To Node: 9GW14
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S90_9GW14	1.44	EX9S90	1.44	EX9S90

Comment:

Weir Link: EX9S90_WEIR

Scenario: Pre-Development
From Node: POND 9W1
To Node: EX9S90
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 5.44 ft
Control Elevation: 5.44 ft
Max Depth: 3.08 ft
Max Width: 4.08 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Rating Curve Link: EX9S91A_9GW12

Scenario: Pre-Development
From Node: EX9S91A
To Node: 9GW12
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S91A_9GW12	1.44	EX9S91A	1.44	EX9S91A

Comment:

Rating Curve Link: EX9S91A_9W11

Scenario: Pre-Development
From Node: EX9S91A
To Node: 9GW11
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S87A_9GW11	1.44	EX9S91A	1.44	EX9S91A

Comment:

Pipe Link: EX9S91A_S90A		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.24 ft	Invert:	1.34 ft
From Node:	EX9S91A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S90A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	64.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX9S94_9GW12

Scenario: Pre-Development
From Node: EX9S94
To Node: 9GW12
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S91A_9GW12	1.44	EX9S94	1.44	EX9S94

Comment:

Pipe Link: EX9S94_S91A		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX9S94	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S91A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	290.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX9S96_9GW14

Scenario: Pre-Development
From Node: EX9S96
To Node: 9GW14
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S90_9GW14	1.44	EX9S96	1.44	EX9S96

Comment:

Pipe Link: EX9S96_S90		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX9S96	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S90	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	408.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Pipe Link: EXCS7AS12_TPL		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	0.84 ft	Invert:	0.54 ft
From Node:	EXCS7AS12+2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	TROPICAL PARK	Geometry: Circular		Geometry: Circular	
	LAKE	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	12.50 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EXCS7AS12_WEIR			
Scenario:	Pre-Development	Bottom Clip	
From Node:	EXCS7AS12+1	Default:	0.00 ft
To Node:	EXCS7AS12+2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.94 ft	Discharge Coefficients	
Control Elevation:	2.94 ft	Weir Default:	2.800
Max Depth:	6.00 ft	Weir Table:	
Max Width:	2.50 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Pipe Link: EXCS7AS1B_PL		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	0.84 ft	Invert:	0.54 ft
From Node:	EXCS7AS1B+2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PATRICIA LAKE	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: EXCS7AS1B_WEIR			
Scenario:	Pre-Development	Bottom Clip	
From Node:	EXCS7AS1B+1	Default:	0.00 ft
To Node:	EXCS7AS1B+2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.94 ft	Discharge Coefficients	
Control Elevation:	2.94 ft	Weir Default:	2.800
Max Depth:	2.50 ft	Weir Table:	

Max Width:	6.00 ft		
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Pipe Link: EXCS7S69_TPL		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	-2.45 ft	Invert:	-3.36 ft
From Node:	EXCS7S69+2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	TROPICAL PARK	Geometry: Circular		Geometry: Circular	
	LAKE	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	193.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EXCS7S69_WEIR			
Scenario:	Pre-Development	Bottom Clip	
From Node:	EXCS7S69+1	Default:	0.00 ft
To Node:	EXCS7S69+2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.94 ft	Discharge Coefficients	
Control Elevation:	2.94 ft	Weir Default:	2.800
Max Depth:	3.33 ft	Weir Table:	
Max Width:	6.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EXCS7S76_TPL		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	0.89 ft	Invert:	0.19 ft
From Node:	EXCS7S76+2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	TROPICAL PARK	Geometry: Circular		Geometry: Circular	

	LAKE	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	16.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: EXCS7S76_WEIR

Scenario:	Pre-Development	Bottom Clip	
From Node:	EXCS7S76+1	Default:	0.00 ft
To Node:	EXCS7S76+2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.94 ft	Discharge Coefficients	
Control Elevation:	2.94 ft	Weir Default:	2.800
Max Depth:	2.29 ft	Weir Table:	
Max Width:	6.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Weir Link: EXCS8S66_WEIR

Scenario:	Pre-Development	Bottom Clip	
From Node:	POND 8E1	Default:	0.00 ft
To Node:	EXCS8S66	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.99 ft	Discharge Coefficients	
Control Elevation:	2.99 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	6.58 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Pipe Link: EXCS9S118_S82		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	0.64 ft	Invert:	1.02 ft
From Node:	EXCS9S118+2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S82	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	250.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EXCS9S118_WEIR1			
Scenario:	Pre-Development	Bottom Clip	
From Node:	EXCS9S118+1	Default:	0.00 ft
To Node:	EXCS9S118+2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.99 ft	Discharge Coefficients	
Control Elevation:	2.99 ft	Weir Default:	2.800
Max Depth:	2.58 ft	Weir Table:	
Max Width:	4.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Weir Link: EXCS9S118_WEIR2			
Scenario:	Pre-Development	Bottom Clip	
From Node:	EXCS9S118+3	Default:	0.00 ft
To Node:	EXCS9S118+2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.99 ft	Discharge Coefficients	
Control Elevation:	2.99 ft	Weir Default:	2.800
Max Depth:	2.58 ft	Weir Table:	

Max Width:	4.00 ft		
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Pipe Link: EXCS9S129_8S99		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.09 ft	Invert:	1.69 ft
From Node:	EXCS9S129+2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S99	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EXCS9S129_WEIR			
Scenario:	Pre-Development	Bottom Clip	
From Node:	EXCS9S129+1	Default:	0.00 ft
To Node:	EXCS9S129+2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.99 ft	Discharge Coefficients	
Control Elevation:	2.99 ft	Weir Default:	2.800
Max Depth:	3.41 ft	Weir Table:	
Max Width:	4.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EXCS9S139C_S139D		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EXCS9S139C+2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S139D	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	157.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EXCS9S139C_WEIR

Scenario:	Pre-Development	Bottom Clip	
From Node:	EXCS9S139C+1	Default:	0.00 ft
To Node:	EXCS9S139C+2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.99 ft	Discharge Coefficients	
Control Elevation:	2.99 ft	Weir Default:	2.800
Max Depth:	3.41 ft	Weir Table:	
Max Width:	4.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EXCS9S80A_S82

Scenario:	Pre-Development	Upstream		Downstream	
From Node:	EXCS9S80A	Invert:	-2.06 ft	Invert:	-2.16 ft
To Node:	EX9S82	Manning's N:	0.0120	Manning's N:	0.0120
Link Count:	1	Geometry: Circular		Geometry: Circular	
Flow Direction:	Both	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Damping:	0.0000 ft	Bottom Clip			
Length:	10.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00	Top Clip			
Bend Location:	0.00 ft	Default:	0.00 ft	Default:	0.00 ft
Energy Switch:	Energy	Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EXCS9S80A_WEIR			
Scenario:	Pre-Development	Bottom Clip	
From Node:	POND 9E6	Default:	0.00 ft
To Node:	EXCS9S80A	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.99 ft	Discharge Coefficients	
Control Elevation:	2.99 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	6.58 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Pipe Link: EXCS9S80_S82		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	-2.06 ft	Invert:	-2.16 ft
From Node:	EXCS9S80	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S82	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: EXCS9S80_WEIR			
Scenario:	Pre-Development	Bottom Clip	
From Node:	POND 9E5	Default:	0.00 ft
To Node:	EXCS9S80	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.99 ft	Discharge Coefficients	
Control Elevation:	2.99 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	

Max Width:	6.58 ft		
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Pipe Link: PND9E2_S58		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	2.44 ft	Invert:	2.34 ft
From Node:	POND 9E2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S58	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	13.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PND9E2_S63		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	2.44 ft	Invert:	2.34 ft
From Node:	POND 9E2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S63	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	8.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PND9E3_PND9E2		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	POND 9E3	Manning's N:	0.0120	Manning's N:	0.0120

To Node:	POND 9E2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	88.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PND9E3_S69		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	2.44 ft	Invert:	2.34 ft
From Node:	POND 9E3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S69	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	7.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PND9E4_PND9E3		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	2.64 ft	Invert:	2.44 ft
From Node:	POND 9E4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 9E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	190.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PND9E5_S79		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	2.44 ft	Invert:	2.34 ft
From Node:	POND 9E5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S79	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	7.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PND9E6_S85		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	2.44 ft	Invert:	1.44 ft
From Node:	POND 9E6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S85	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	3.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PND9W3_PND9E5		Upstream		Downstream	
Scenario:	Pre-Development	Invert:	5.44 ft	Invert:	2.44 ft
From Node:	POND 9W3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 9E5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft

		Bottom Clip			
Flow Direction:	Both				
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	270.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: PND9W4_WEIR

		Bottom Clip	
Scenario:	Pre-Development		
From Node:	POND 9W3	Default:	0.00 ft
To Node:	POND 9W4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	5.60 ft	Discharge Coefficients	
Control Elevation:	5.60 ft	Weir Default:	2.800
Max Depth:	9999.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	5.00 ft	Orifice Table:	
Left Slope:	2.000 (h:v)		
Right Slope:	2.000 (h:v)		

Comment:

Rating Curve: EX7AS01_7GW1

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	26.64
1.44	7.44	26.64
2.94	2.94	0.00
2.94	3.94	16.10
2.94	7.44	26.64

Comment:

Rating Curve: EX7S11_7GW3

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	8.27
1.44	7.44	8.27
2.94	2.94	0.00
2.94	3.94	4.18
2.94	7.44	8.27

Comment:

Rating Curve: EX7S13_7GW4

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	7.65
1.44	7.44	7.65
2.94	2.94	0.00
2.94	3.94	3.87
2.94	7.44	7.65

Comment:

Rating Curve: EX7S27_7GW5

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	8.21
1.44	7.44	8.21
2.94	2.94	0.00
2.94	3.94	4.16
2.94	7.44	8.21

Comment:

Rating Curve: EX7S32_7GW6

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	13.13
1.44	7.44	13.13
2.94	2.94	0.00
2.94	3.94	6.64
2.94	7.44	13.13

Comment:

Rating Curve: EX7S66_7GW8

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	13.28
1.44	7.44	13.28
2.94	2.94	0.00
2.94	3.94	6.72
2.94	7.44	13.28

Comment:

Rating Curve: EX7S77_7GW7

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	24.92
1.44	7.44	24.92
2.94	2.94	0.00
2.94	3.94	12.61
2.94	7.44	24.92

Comment:

Rating Curve: EX7S86_7GW9

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	9.19
1.44	7.44	9.19
2.94	2.94	0.00
2.94	3.94	4.65
2.94	7.44	9.19

Comment:

Rating Curve: EX7S8A_7GW2

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	2.89
1.44	7.44	2.89
2.94	2.94	0.00
2.94	3.94	1.46
2.94	7.44	2.89

Comment:

Rating Curve: EX7S90_7GW10

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	4.84
1.44	7.44	4.84
2.94	2.94	0.00
2.94	3.94	2.45
2.94	7.44	4.84

Comment:

Rating Curve: EX7S92_7GW11

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	7.88
1.44	7.44	7.88
2.94	2.94	0.00
2.94	3.94	3.98
2.94	7.44	7.88

Comment:

Rating Curve: EX8S01_8GW1

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	29.25
1.44	7.44	29.25
2.94	2.94	0.00
2.94	4.69	24.22
2.94	7.44	29.25

Comment:

Rating Curve: EX8S139D_8GW15

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.44	2.36
1.44	7.64	7.40
2.94	2.94	0.00
2.94	4.44	0.59
2.94	7.64	3.11

Comment:

Rating Curve: EX8S17_8GW2

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	3.51
1.44	7.44	3.51
2.94	2.94	0.00
2.94	4.69	2.90
2.94	7.44	3.51

Comment:

Rating Curve: EX8S40W1_8GW11

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	5.06
1.44	7.44	5.36
2.94	2.94	0.00
2.94	4.69	2.92
2.94	7.44	5.36

Comment:

Rating Curve: EX8S40W4_8GW13

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.44	1.04
1.44	7.56	3.20
2.94	2.94	0.00
2.94	4.44	0.26
2.94	7.56	1.34

Comment:

Rating Curve: EX8S40W5_8GW12

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	4.92
1.44	7.44	5.21
2.94	2.94	0.00
2.94	4.69	2.84
2.94	7.44	5.21

Comment:

Rating Curve: EX8S40W6_8GW14

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.44	1.70
1.44	7.56	5.24
2.94	2.94	0.00
2.94	4.44	0.43
2.94	7.56	2.20

Comment:

Rating Curve: EX8S49_8GW9

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.94	9.75
1.44	7.44	9.75
2.94	2.94	0.00
2.94	4.94	9.33
2.94	7.44	9.75

Comment:

Rating Curve: EX8S54_8GW4

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	2.94	5.13
1.44	7.44	8.44
2.94	2.94	0.00
2.94	3.04	0.00
2.94	7.44	8.44

Comment:

Rating Curve: EX8S5A_8GW3

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	3.53
1.44	7.44	3.53
2.94	2.94	0.00
2.94	4.69	2.92
2.94	7.44	3.53

Comment:

Rating Curve: EX8S72A_8GW10

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	4.84
1.44	7.44	4.84
2.94	2.94	0.00
2.94	4.69	4.01
2.94	7.44	4.84

Comment:

Rating Curve: EX8S74_8GW5

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	15.32
1.44	7.44	15.32
2.94	2.94	0.00
2.94	3.94	7.01
2.94	7.44	15.32

Comment:

Rating Curve: EX8S81_8GW6

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.19	7.63
1.44	7.44	7.63
2.94	2.94	0.00
2.94	4.19	4.41
2.94	7.44	7.63

Comment:

Rating Curve: EX8S85B_8GW8

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.19	12.26
1.44	7.44	12.26
2.94	2.94	0.00
2.94	4.19	7.09
2.94	7.44	12.26

Comment:

Rating Curve: EX8S85_8GW7

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.19	12.23
1.44	7.44	12.23
2.94	2.94	0.00
2.94	4.19	7.07
2.94	7.44	12.23

Comment:

Rating Curve: EX8S99_8GW16

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.44	2.69
1.44	6.87	7.06
2.94	2.94	0.00
2.94	4.44	0.67
2.94	6.87	2.86

Comment:

Rating Curve: EX9S104_9GW6

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	15.43
1.44	7.44	16.35
2.94	2.94	0.00
2.94	4.69	8.90
2.94	7.44	16.35

Comment:

Rating Curve: EX9S107_9GW7

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	10.02
1.44	7.44	10.61
2.94	2.94	0.00
2.94	4.69	5.77
2.94	7.44	10.61

Comment:

Rating Curve: EX9S113_9GW8

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	8.28
1.44	7.44	8.78
2.94	2.94	0.00
2.94	4.69	4.77
2.94	7.44	8.78

Comment:

Rating Curve: EX9S116_9GW9

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	6.00
1.44	7.44	6.36
2.94	2.94	0.00
2.94	4.69	3.46
2.94	7.44	6.36

Comment:

Rating Curve: EX9S119_9GW10

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	23.34
1.44	7.44	24.73
2.94	2.94	0.00
2.94	4.69	13.46
2.94	7.44	24.73

Comment:

Rating Curve: EX9S49_9GW15

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	7.84
1.44	7.44	8.31
2.94	2.94	0.00
2.94	4.69	4.52
2.94	7.44	8.31

Comment:

Rating Curve: EX9S57_9GW1

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	5.54
1.44	7.44	5.87
2.94	2.94	0.00
2.94	4.69	3.19
2.94	7.44	5.87

Comment:

Rating Curve: EX9S63_9GW2

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	4.96
1.44	7.44	5.25
2.94	2.94	0.00
2.94	4.69	2.86
2.94	7.44	5.25

Comment:

Rating Curve: EX9S69_9GW3

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	9.27
1.44	7.44	9.82
2.94	2.94	0.00
2.94	4.69	5.35
2.94	7.44	9.82

Comment:

Rating Curve: EX9S79_9GW4

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	27.08
1.44	7.44	28.69
2.94	2.94	0.00
2.94	4.69	15.61
2.94	7.44	28.69

Comment:

Rating Curve: EX9S85_9GW5

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	6.26
1.44	7.44	6.64
2.94	2.94	0.00
2.94	4.69	3.61
2.94	7.44	6.64

Comment:

Rating Curve: EX9S87A_9GW11

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	5.29
1.44	7.44	5.61
2.94	2.94	0.00
2.94	4.69	3.05
2.94	7.44	5.61

Comment:

Rating Curve: EX9S90A_9GW13

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	4.96
1.44	7.44	5.25
2.94	2.94	0.00
2.94	4.69	2.86
2.94	7.44	5.25

Comment:

Rating Curve: EX9S90_9GW14

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	13.59
1.44	7.44	14.40
2.94	2.94	0.00
2.94	4.69	7.84
2.94	7.44	14.40

Comment:

Rating Curve: EX9S91A_9GW12

Scenario: Pre-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	9.70
1.44	7.44	10.28
2.94	2.94	0.00
2.94	4.69	5.59
2.94	7.44	10.28

Comment:

Simulation: 100YR-1HR

Scenario: Pre-Development
Run Date/Time: 8/21/2019 12:26:38 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 5.10 in
Storm Duration: 1.0000 hr
Dflt Damping (1D): 0.0050 ft

Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100YR-24HR

Scenario: Pre-Development
Run Date/Time: 8/21/2019 12:29:54 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Lookup Tables

Boundary Stage Set: 100YR-24HR

Reference ET Folder:		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	
		Roughness Set:	
		Crop Coef Set:	
		Fillable Porosity Set:	
		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	13.44 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-1HR

Scenario:	Pre-Development
Run Date/Time:	8/21/2019 12:36:50 PM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000

Max Calculation Time: 60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 3.55 in
Storm Duration: 1.0000 hr

Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-24HR

Scenario: Pre-Development
Run Date/Time: 8/21/2019 12:40:09 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:		Boundary Stage Set:	10YR-24HR
Reference ET Folder:		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	
		Roughness Set:	
		Crop Coef Set:	
		Fillable Porosity Set:	
		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	8.88 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25YR-72HR

Scenario:	Pre-Development
Run Date/Time:	8/21/2019 12:48:08 PM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

Hydrology [sec]	Surface Hydraulics	Groundwater [sec]

	[sec]		
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 25YR-72HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~SFWMD-72

		Rainfall Amount:	14.00 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Node Max Conditions [Pre-Development]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
7GW1	100YR-1HR	7.44	1.44	0.0000	42.58	0.00	0
7GW10	100YR-1HR	7.44	1.44	0.0000	3.50	0.00	0
7GW11	100YR-1HR	7.44	1.44	0.0000	16.41	0.00	0
7GW2	100YR-1HR	7.44	1.44	0.0000	5.70	0.00	0
7GW3	100YR-1HR	7.44	1.44	0.0000	16.48	0.00	0
7GW4	100YR-1HR	7.44	1.44	0.0000	2.04	0.00	0
7GW5	100YR-1HR	7.44	1.44	0.0000	18.81	0.00	0
7GW6	100YR-1HR	7.44	1.44	0.0000	29.00	0.00	0
7GW7	100YR-1HR	7.44	1.44	0.0000	20.00	0.00	0
7GW8	100YR-1HR	7.44	1.44	0.0000	6.94	0.00	0
7GW9	100YR-1HR	7.44	1.44	0.0000	6.07	0.00	0
8GW1	100YR-1HR	7.44	1.44	0.0000	46.84	0.00	0
8GW10	100YR-1HR	7.44	1.44	0.0000	4.30	0.00	0
8GW11	100YR-1HR	7.44	1.44	0.0000	10.70	0.00	0
8GW12	100YR-1HR	7.44	1.44	0.0000	7.56	0.00	0
8GW13	100YR-1HR	7.44	1.44	0.0000	1.93	0.00	0
8GW14	100YR-1HR	7.44	1.44	0.0000	2.94	0.00	0
8GW15	100YR-1HR	7.44	1.44	0.0000	3.83	0.00	0
8GW16	100YR-1HR	7.44	1.44	0.0000	4.78	0.00	0
8GW2	100YR-1HR	7.44	1.44	0.0000	4.43	0.00	0
8GW3	100YR-1HR	7.44	1.44	0.0000	4.25	0.00	0
8GW4	100YR-1HR	7.44	1.44	0.0000	11.35	0.00	0
8GW5	100YR-1HR	7.44	1.44	0.0000	20.57	0.00	0
8GW6	100YR-1HR	7.44	1.44	0.0000	8.75	0.00	0
8GW7	100YR-1HR	7.44	1.44	0.0000	9.67	0.00	0
8GW8	100YR-1HR	7.44	1.44	0.0000	9.25	0.00	0
8GW9	100YR-1HR	7.44	1.44	0.0000	12.36	0.00	0
9GW1	100YR-1HR	7.44	1.44	0.0000	8.08	0.00	0
9GW10	100YR-1HR	7.44	1.44	0.0000	48.31	0.00	0
9GW11	100YR-1HR	7.44	1.44	0.0000	7.17	0.00	0
9GW12	100YR-1HR	7.44	1.44	0.0000	12.45	0.00	0
9GW13	100YR-1HR	7.44	1.44	0.0000	3.04	0.00	0
9GW14	100YR-1HR	7.44	1.44	0.0000	16.51	0.00	0
9GW15	100YR-1HR	7.44	1.44	0.0000	11.19	0.00	0
9GW2	100YR-1HR	7.44	1.44	0.0000	3.93	0.00	0
9GW3	100YR-1HR	7.44	1.44	0.0000	8.38	0.00	0
9GW4	100YR-1HR	7.44	1.44	0.0000	22.06	0.00	0
9GW5	100YR-1HR	7.44	1.44	0.0000	6.27	0.00	0
9GW6	100YR-1HR	7.44	1.44	0.0000	32.72	0.00	0
9GW7	100YR-1HR	7.44	1.44	0.0000	10.77	0.00	0
9GW8	100YR-1HR	7.44	1.44	0.0000	17.76	0.00	0
9GW9	100YR-1HR	5.48	1.44	0.0000	12.47	0.00	0
CANAL 1	100YR-1HR	7.44	1.44	0.0000	12.37	0.02	0
CANAL 2	100YR-1HR	7.44	1.44	0.0000	35.64	0.00	0
EX01	100YR-1HR	7.14	4.30	0.0005	3.87	4.04	1205
EX03	100YR-1HR	7.14	4.21	0.0004	14.53	15.00	1962

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX04	100YR-1HR	10.44	6.99	0.0007	1.83	1.81	695
EX7AS01	100YR-1HR	4.94	3.45	0.0004	28.37	28.40	1201
EX7AS02	100YR-1HR	13.35	7.57	0.0020	25.71	25.70	165
EX7AS03	100YR-1HR	14.30	8.24	0.0014	8.19	8.19	144
EX7AS08	100YR-1HR	12.00	8.30	0.0004	8.55	8.55	176
EX7AS11	100YR-1HR	4.94	3.43	0.0004	23.60	23.66	1372
EX7S03	100YR-1HR	8.01	3.85	0.0010	6.16	6.15	472
EX7S11	100YR-1HR	6.84	3.87	0.0004	10.86	10.84	475
EX7S13	100YR-1HR	11.45	2.11	0.0001	2.04	2.04	113
EX7S15	100YR-1HR	6.86	4.09	0.0032	34.13	32.79	486
EX7S16	100YR-1HR	14.47	4.11	0.0037	20.80	18.96	279
EX7S18	100YR-1HR	6.84	4.12	0.0044	14.97	17.87	514
EX7S1A	100YR-1HR	10.90	3.65	0.0009	14.02	13.99	362
EX7S22	100YR-1HR	6.72	4.23	0.0007	16.64	16.54	686
EX7S27	100YR-1HR	7.50	4.27	0.0004	15.32	15.25	635
EX7S32	100YR-1HR	8.60	4.34	0.0005	34.60	34.58	821
EX7S41	100YR-1HR	9.89	4.07	0.0004	13.94	13.94	570
EX7S45	100YR-1HR	9.57	2.23	0.0002	7.06	6.86	665
EX7S66	100YR-1HR	10.37	1.96	0.0001	2.79	2.74	571
EX7S68	100YR-1HR	5.94	3.99	0.0004	13.65	13.66	368
EX7S71	100YR-1HR	5.94	4.03	0.0006	6.50	6.44	463
EX7S74	100YR-1HR	5.49	3.34	0.0003	6.44	6.44	508
EX7S77	100YR-1HR	4.94	2.68	0.0004	15.52	15.47	1212
EX7S78	100YR-1HR	13.52	5.99	0.0002	4.15	4.15	144
EX7S86	100YR-1HR	7.23	2.22	0.0002	10.77	10.69	1385
EX7S8A	100YR-1HR	7.26	3.95	0.0003	12.61	12.59	335
EX7S90	100YR-1HR	7.95	2.31	0.0002	6.33	6.31	542
EX7S91	100YR-1HR	7.04	4.08	0.0004	4.18	4.04	103
EX7S92	100YR-1HR	9.70	4.02	0.0004	8.14	8.13	354
EX7S93	100YR-1HR	10.04	4.12	0.0005	17.35	18.25	737
EX7S94	100YR-1HR	11.43	4.07	0.0004	11.49	11.47	356
EX7S97	100YR-1HR	7.44	4.18	0.0005	17.14	17.35	1006
EX8S01	100YR-1HR	9.27	4.61	0.0004	37.58	37.35	1317
EX8S06	100YR-1HR	7.80	3.40	0.0003	2.39	2.12	416
EX8S101	100YR-1HR	7.18	2.77	0.0003	5.74	5.74	203
EX8S12	100YR-1HR	7.26	3.40	0.0004	12.22	12.21	660
EX8S13	100YR-1HR	7.64	3.59	0.0003	6.49	6.48	228
EX8S139D	100YR-1HR	7.88	3.89	0.0004	13.39	12.80	2839
EX8S15A	100YR-1HR	6.02	3.50	0.0003	18.60	18.57	1338
EX8S16	100YR-1HR	7.35	3.60	0.0004	9.16	8.66	664
EX8S17	100YR-1HR	6.26	3.51	0.0005	11.62	11.40	292
EX8S21	100YR-1HR	6.59	3.48	0.0010	10.45	10.03	192
EX8S25	100YR-1HR	10.25	3.60	0.0005	10.00	9.90	820
EX8S26	100YR-1HR	9.96	3.63	0.0004	5.46	5.48	298
EX8S31A	100YR-1HR	9.53	3.69	0.0003	20.35	20.32	971
EX8S40E1	100YR-1HR	7.44	4.35	0.0005	14.83	14.27	1970
EX8S40W1	100YR-1HR	6.21	7.31	0.0010	6.79	6.79	237

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX8S40W2	100YR-1HR	7.01	7.31	0.0010	6.48	6.50	285
EX8S40W3	100YR-1HR	7.48	7.29	0.0011	10.41	10.43	677
EX8S40W4	100YR-1HR	8.48	4.29	0.0005	10.43	10.26	758
EX8S40W5	100YR-1HR	5.44	3.92	0.0006	3.78	3.76	233
EX8S40W6	100YR-1HR	7.56	4.17	0.0005	15.87	15.40	1921
EX8S40W7	100YR-1HR	5.74	3.95	0.0006	6.74	6.69	312
EX8S40W8	100YR-1HR	5.44	3.96	0.0006	0.86	0.84	100
EX8S40W9	100YR-1HR	7.74	5.75	0.0007	3.13	3.12	132
EX8S45	100YR-1HR	6.84	3.47	0.0005	8.57	6.55	804
EX8S47	100YR-1HR	6.64	3.47	0.0005	6.55	2.57	1605
EX8S49	100YR-1HR	9.07	3.63	0.0003	7.73	7.94	773
EX8S54	100YR-1HR	6.69	3.67	0.0010	5.91	5.67	150
EX8S56	100YR-1HR	9.91	3.47	0.0006	2.57	2.32	934
EX8S57	100YR-1HR	4.97	3.69	0.0010	9.68	9.72	150
EX8S5A	100YR-1HR	7.91	3.40	0.0003	2.88	2.84	162
EX8S67	100YR-1HR	7.45	1.51	0.0033	6.84	6.67	100
EX8S70	100YR-1HR	7.13	1.51	0.0009	13.88	12.37	303
EX8S72A	100YR-1HR	7.98	2.66	0.0002	8.54	8.53	375
EX8S74	100YR-1HR	7.52	3.10	0.0003	21.25	21.21	909
EX8S81	100YR-1HR	7.91	3.13	0.0002	23.56	23.43	1084
EX8S83	100YR-1HR	8.58	2.90	0.0002	9.21	9.12	726
EX8S85	100YR-1HR	4.69	2.52	0.0002	8.05	7.83	1006
EX8S85B	100YR-1HR	11.23	2.45	0.0003	4.56	4.49	614
EX8S87	100YR-1HR	5.48	2.54	0.0010	10.33	10.19	610
EX8S88	100YR-1HR	7.41	2.51	0.0006	6.36	6.32	882
EX8S98	100YR-1HR	6.86	2.79	0.0002	2.98	3.03	440
EX8S99	100YR-1HR	7.64	3.86	0.0004	15.34	13.92	2738
EX9S101	100YR-1HR	11.78	7.23	0.0003	5.56	5.56	331
EX9S104	100YR-1HR	10.32	7.25	0.0021	32.37	32.24	917
EX9S107	100YR-1HR	8.70	8.18	0.0018	34.56	34.91	377
EX9S110	100YR-1HR	9.18	7.73	0.0018	26.03	26.28	888
EX9S113	100YR-1HR	6.44	8.15	0.0018	22.67	21.20	505
EX9S116	100YR-1HR	7.24	7.88	0.0014	42.27	42.07	566
EX9S117	100YR-1HR	7.16	5.17	0.0010	26.84	26.76	333
EX9S119	100YR-1HR	6.79	4.70	0.0010	23.39	23.35	1089
EX9S12	100YR-1HR	9.26	6.18	0.0007	16.01	15.89	764
EX9S125	100YR-1HR	7.44	7.90	0.0028	40.86	40.87	1080
EX9S15	100YR-1HR	6.51	5.95	0.0007	8.50	8.37	439
EX9S49	100YR-1HR	6.06	3.79	0.0009	11.18	10.69	440
EX9S55	100YR-1HR	8.20	3.73	0.0010	5.83	5.53	446
EX9S57	100YR-1HR	5.14	3.74	0.0010	7.54	7.61	289
EX9S58	100YR-1HR	6.07	3.88	0.0018	11.17	11.23	273
EX9S63	100YR-1HR	6.58	4.02	0.0010	3.94	3.93	100
EX9S69	100YR-1HR	6.85	4.38	0.0035	15.23	8.38	156
EX9S79	100YR-1HR	6.34	4.09	0.0010	25.36	22.06	439
EX9S82	100YR-1HR	6.44	4.60	0.0006	35.65	35.64	998
EX9S85	100YR-1HR	5.82	4.71	0.0057	13.19	6.27	103

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX9S87A	100YR-1HR	7.14	3.76	0.0005	12.11	12.22	342
EX9S90	100YR-1HR	6.44	3.41	0.0004	8.25	8.24	660
EX9S90A	100YR-1HR	8.31	3.43	0.0004	7.93	7.77	177
EX9S91A	100YR-1HR	9.76	3.53	0.0004	17.75	17.76	671
EX9S94	100YR-1HR	12.98	3.52	0.0005	6.23	6.22	442
EX9S96	100YR-1HR	5.44	3.42	0.0003	9.78	9.52	915
EXCS7AS12+1	100YR-1HR	6.61	3.43	0.0003	2.47	2.37	100
EXCS7AS12+2	100YR-1HR	6.61	1.47	0.0000	2.37	2.37	100
EXCS7AS1B+1	100YR-1HR	6.61	3.43	0.0004	5.83	5.80	100
EXCS7AS1B+2	100YR-1HR	6.61	1.78	0.0004	5.80	5.80	100
EXCS7S69+1	100YR-1HR	7.44	4.04	0.0030	32.79	32.58	100
EXCS7S69+2	100YR-1HR	7.44	1.49	0.0002	19.34	19.34	230
EXCS7S76+1	100YR-1HR	6.60	2.91	0.0007	6.44	6.36	375
EXCS7S76+2	100YR-1HR	6.66	1.44	0.0000	0.00	0.00	100
EXCS8S66	100YR-1HR	5.88	1.51	0.0024	3.78	6.84	100
EXCS9S118+1	100YR-1HR	6.74	4.96	0.0019	20.73	20.65	100
EXCS9S118+2	100YR-1HR	6.74	4.78	0.0007	20.65	20.54	524
EXCS9S118+3	100YR-1HR	6.74	4.72	0.0010	7.59	7.57	100
EXCS9S129+1	100YR-1HR	7.61	3.80	0.0009	5.38	4.95	100
EXCS9S129+2	100YR-1HR	7.61	3.84	0.0009	5.45	5.38	100
EXCS9S139C+1	100YR-1HR	7.61	3.77	0.0005	7.16	7.24	115
EXCS9S139C+2	100YR-1HR	7.61	3.87	0.0004	7.06	7.16	253
EXCS9S80	100YR-1HR	5.44	4.80	0.0008	21.40	21.70	196
EXCS9S80A	100YR-1HR	5.44	4.71	0.0007	16.85	16.54	196
PATRICIA LAKE	100YR-1HR	7.44	1.44	0.0000	9.01	0.00	0
POND 7AB	100YR-1HR	6.59	5.22	0.0001	10.41	6.13	36492
POND 7W1	100YR-1HR	5.94	5.23	0.0001	8.59	6.40	21833
POND 8E1	100YR-1HR	5.89	3.16	0.0002	33.19	8.56	74359
POND 8E2	100YR-1HR	9.53	7.24	0.0001	20.69	20.35	7622
POND 9E2	100YR-1HR	6.07	4.03	0.0003	14.88	15.02	2020
POND 9E3	100YR-1HR	6.87	4.44	0.0003	23.43	27.84	2620
POND 9E4	100YR-1HR	6.94	6.12	0.0006	24.75	21.64	3788
POND 9E5	100YR-1HR	6.24	4.84	0.0004	55.91	42.10	25437
POND 9E6	100YR-1HR	5.44	4.74	0.0004	26.87	29.99	4184
POND 9W1	100YR-1HR	6.44	5.62	0.0000	3.19	3.04	5774

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND 9W2	100YR-1HR	8.70	8.40	0.0006	36.60	34.56	7977
POND 9W3	100YR-1HR	6.44	8.20	0.0006	52.90	43.36	8519
POND 9W4	100YR-1HR	7.24	8.20	0.0006	49.36	46.42	1307
POND 9W5	100YR-1HR	7.44	8.36	0.0005	67.03	40.86	14052
SWALE 7W1	100YR-1HR	6.49	3.64	0.0001	0.69	0.00	2744
SWALE 8E1	100YR-1HR	4.97	3.88	0.0001	10.96	9.68	9446
SWALE 8W1	100YR-1HR	5.48	5.08	0.0001	10.51	10.33	5654
TROPICAL PARK LAKE	100YR-1HR	7.44	1.44	0.0000	23.28	0.00	0
7GW1	100YR-24HR	7.44	2.94	0.0002	12.38	0.00	0
7GW10	100YR-24HR	7.44	2.94	0.0002	0.84	0.00	0
7GW11	100YR-24HR	7.44	2.94	0.0002	4.72	0.00	0
7GW2	100YR-24HR	7.44	2.94	0.0002	1.63	0.00	0
7GW3	100YR-24HR	7.44	2.94	0.0002	4.76	0.00	0
7GW4	100YR-24HR	7.44	2.94	0.0002	0.35	0.00	0
7GW5	100YR-24HR	7.44	2.94	0.0002	4.84	0.00	0
7GW6	100YR-24HR	7.44	2.94	0.0002	7.38	0.00	0
7GW7	100YR-24HR	7.44	2.94	0.0002	4.90	0.00	0
7GW8	100YR-24HR	7.44	2.94	0.0002	1.99	0.00	0
7GW9	100YR-24HR	7.44	2.94	0.0002	1.55	0.00	0
8GW1	100YR-24HR	7.44	2.94	0.0002	10.32	0.00	0
8GW10	100YR-24HR	7.44	2.94	0.0002	0.96	0.00	0
8GW11	100YR-24HR	7.44	2.94	0.0002	3.05	0.00	0
8GW12	100YR-24HR	7.44	2.94	0.0002	0.87	0.00	0
8GW13	100YR-24HR	7.44	2.94	0.0002	0.41	0.00	0
8GW14	100YR-24HR	7.44	2.94	0.0002	0.67	0.00	0
8GW15	100YR-24HR	7.44	2.94	0.0002	0.92	0.05	0
8GW16	100YR-24HR	7.44	2.94	0.0002	1.08	0.00	0
8GW2	100YR-24HR	7.44	2.94	0.0002	1.16	0.00	0
8GW3	100YR-24HR	7.44	2.94	0.0002	0.90	0.00	0
8GW4	100YR-24HR	7.44	2.94	0.0002	3.31	0.00	0
8GW5	100YR-24HR	7.44	2.94	0.0002	4.17	0.00	0
8GW6	100YR-24HR	7.44	2.94	0.0002	2.08	0.00	0
8GW7	100YR-24HR	7.44	2.94	0.0002	3.24	0.00	0
8GW8	100YR-24HR	7.44	2.94	0.0002	3.22	0.00	0
8GW9	100YR-24HR	7.44	2.94	0.0002	3.63	0.00	0
9GW1	100YR-24HR	7.44	2.94	0.0002	1.19	0.00	0
9GW10	100YR-24HR	7.44	2.94	0.0002	14.36	0.00	0
9GW11	100YR-24HR	7.44	2.94	0.0002	1.25	0.00	0
9GW12	100YR-24HR	7.44	2.94	0.0002	2.25	0.00	0
9GW13	100YR-24HR	7.44	2.94	0.0002	0.57	0.00	0
9GW14	100YR-24HR	7.44	2.94	0.0002	3.13	0.00	0
9GW15	100YR-24HR	7.44	2.94	0.0002	1.70	0.00	0
9GW2	100YR-24HR	7.44	2.94	0.0002	0.94	0.00	0
9GW3	100YR-24HR	7.44	2.94	0.0002	1.30	0.00	0
9GW4	100YR-24HR	7.44	2.94	0.0002	3.46	0.00	0
9GW5	100YR-24HR	7.44	2.94	0.0002	2.21	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
9GW6	100YR-24HR	7.44	2.94	0.0002	12.27	0.00	0
9GW7	100YR-24HR	7.44	2.94	0.0002	4.35	0.00	0
9GW8	100YR-24HR	7.44	2.94	0.0002	7.23	0.00	0
9GW9	100YR-24HR	5.48	2.94	0.0002	4.93	0.00	0
CANAL 1	100YR-24HR	7.44	2.64	0.0001	4.87	0.05	0
CANAL 2	100YR-24HR	7.44	2.64	0.0001	10.84	0.04	0
EX01	100YR-24HR	7.14	3.07	0.0001	1.20	1.19	1169
EX03	100YR-24HR	7.14	3.04	0.0002	3.77	3.75	1622
EX04	100YR-24HR	10.44	6.79	0.0007	0.79	0.79	643
EX7AS01	100YR-24HR	4.94	3.01	0.0004	8.24	8.20	1201
EX7AS02	100YR-24HR	13.35	6.08	0.0010	5.40	5.40	165
EX7AS03	100YR-24HR	14.30	7.80	0.0003	2.35	2.35	143
EX7AS08	100YR-24HR	12.00	7.59	0.0003	1.83	1.82	148
EX7AS11	100YR-24HR	4.94	3.01	0.0002	5.83	5.78	1342
EX7S03	100YR-24HR	8.01	3.02	0.0007	1.06	1.05	473
EX7S11	100YR-24HR	6.84	3.03	0.0002	3.17	3.15	476
EX7S13	100YR-24HR	11.45	2.95	0.0002	0.35	0.35	113
EX7S15	100YR-24HR	6.86	3.04	0.0047	8.94	8.75	486
EX7S16	100YR-24HR	14.47	3.04	0.0046	7.32	8.83	279
EX7S18	100YR-24HR	6.84	3.04	0.0038	6.78	7.69	514
EX7S1A	100YR-24HR	10.90	3.01	0.0007	2.42	4.68	312
EX7S22	100YR-24HR	6.72	3.04	0.0006	3.49	2.35	686
EX7S27	100YR-24HR	7.50	3.03	0.0002	3.90	3.85	635
EX7S32	100YR-24HR	8.60	3.03	0.0002	8.47	8.45	821
EX7S41	100YR-24HR	9.89	3.03	0.0002	3.57	3.55	570
EX7S45	100YR-24HR	9.57	2.96	0.0002	1.81	1.79	684
EX7S66	100YR-24HR	10.37	2.96	0.0002	0.97	0.94	609
EX7S68	100YR-24HR	5.94	3.03	0.0003	4.55	4.39	368
EX7S71	100YR-24HR	5.94	3.03	0.0003	1.85	2.72	461
EX7S74	100YR-24HR	5.49	3.00	0.0000	1.01	1.01	502
EX7S77	100YR-24HR	4.94	2.97	0.0002	4.23	4.20	1218
EX7S78	100YR-24HR	13.52	5.47	0.0000	0.86	0.86	117
EX7S86	100YR-24HR	7.23	2.97	0.0002	3.41	3.38	1398
EX7S8A	100YR-24HR	7.26	3.03	0.0002	2.70	2.69	337
EX7S90	100YR-24HR	7.95	2.97	0.0002	2.05	2.04	545
EX7S91	100YR-24HR	7.04	3.04	0.0006	1.98	1.47	103
EX7S92	100YR-24HR	9.70	3.03	0.0002	2.40	2.35	354
EX7S93	100YR-24HR	10.04	3.04	0.0005	4.56	7.82	737
EX7S94	100YR-24HR	11.43	3.04	0.0002	3.18	3.14	356
EX7S97	100YR-24HR	7.44	3.04	0.0003	4.50	4.56	1006
EX8S01	100YR-24HR	9.27	2.99	0.0002	7.22	7.18	1317
EX8S06	100YR-24HR	7.80	2.98	0.0002	0.46	0.45	413
EX8S101	100YR-24HR	7.18	2.68	0.0006	1.70	1.70	170
EX8S12	100YR-24HR	7.26	2.98	0.0000	2.18	2.17	544
EX8S13	100YR-24HR	7.64	2.98	0.0002	1.03	1.02	228
EX8S139D	100YR-24HR	7.88	3.10	0.0002	2.04	2.08	2839
EX8S15A	100YR-24HR	6.02	2.98	0.0002	4.79	4.75	1338

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX8S16	100YR-24HR	7.35	2.99	0.0003	1.79	1.76	663
EX8S17	100YR-24HR	6.26	2.99	0.0002	2.23	2.16	292
EX8S21	100YR-24HR	6.59	2.99	0.0010	0.99	1.02	192
EX8S25	100YR-24HR	10.25	2.99	0.0002	3.43	3.43	731
EX8S26	100YR-24HR	9.96	2.99	0.0002	2.63	2.63	298
EX8S31A	100YR-24HR	9.53	3.00	0.0002	5.59	5.57	930
EX8S40E1	100YR-24HR	7.44	3.14	0.0002	2.55	2.54	1970
EX8S40W1	100YR-24HR	6.21	3.20	0.0002	1.55	1.52	237
EX8S40W2	100YR-24HR	7.01	3.20	0.0002	1.69	1.70	277
EX8S40W3	100YR-24HR	7.48	3.59	0.0004	1.64	1.64	627
EX8S40W4	100YR-24HR	8.48	3.11	0.0002	0.82	0.84	758
EX8S40W5	100YR-24HR	5.44	2.97	0.0002	0.53	0.43	233
EX8S40W6	100YR-24HR	7.56	3.11	0.0002	1.82	1.80	1921
EX8S40W7	100YR-24HR	5.74	2.97	0.0002	0.73	0.75	312
EX8S40W8	100YR-24HR	5.44	2.97	0.0001	0.15	0.17	100
EX8S40W9	100YR-24HR	7.74	5.21	0.0005	0.75	0.75	126
EX8S45	100YR-24HR	6.84	2.99	0.0003	0.72	0.81	804
EX8S47	100YR-24HR	6.64	2.99	0.0002	0.62	0.72	1604
EX8S49	100YR-24HR	9.07	2.99	0.0002	3.65	3.65	773
EX8S54	100YR-24HR	6.69	3.16	0.0002	1.80	1.65	150
EX8S56	100YR-24HR	9.91	2.99	0.0002	0.57	0.62	928
EX8S57	100YR-24HR	4.97	3.16	0.0002	2.83	2.98	150
EX8S5A	100YR-24HR	7.91	2.97	0.0002	0.51	0.50	162
EX8S67	100YR-24HR	7.45	2.65	0.0027	4.68	4.62	100
EX8S70	100YR-24HR	7.13	2.65	0.0011	7.40	4.87	310
EX8S72A	100YR-24HR	7.98	2.97	0.0002	2.53	2.52	377
EX8S74	100YR-24HR	7.52	2.97	0.0002	5.05	5.02	909
EX8S81	100YR-24HR	7.91	2.98	0.0002	5.67	5.63	1087
EX8S83	100YR-24HR	8.58	2.98	0.0002	1.76	1.73	727
EX8S85	100YR-24HR	4.69	2.98	0.0002	2.30	2.26	1007
EX8S85B	100YR-24HR	11.23	2.98	0.0002	1.59	1.57	614
EX8S87	100YR-24HR	5.48	2.98	0.0002	2.73	2.71	610
EX8S88	100YR-24HR	7.41	2.98	0.0002	2.59	2.57	882
EX8S98	100YR-24HR	6.86	2.99	0.0001	2.40	2.40	447
EX8S99	100YR-24HR	7.64	3.09	0.0002	2.93	2.96	2738
EX9S101	100YR-24HR	11.78	6.65	0.0002	1.03	1.03	275
EX9S104	100YR-24HR	10.32	3.46	0.0002	7.28	7.27	879
EX9S107	100YR-24HR	8.70	3.61	0.0002	10.87	10.86	377
EX9S110	100YR-24HR	9.18	3.52	0.0002	8.83	8.83	820
EX9S113	100YR-24HR	6.44	3.63	0.0002	9.08	9.08	505
EX9S116	100YR-24HR	7.24	3.60	0.0002	12.06	12.06	566
EX9S117	100YR-24HR	7.16	3.46	0.0002	5.91	5.95	333
EX9S119	100YR-24HR	6.79	3.11	0.0002	5.62	5.58	1096
EX9S12	100YR-24HR	9.26	3.42	0.0005	2.07	2.04	764
EX9S125	100YR-24HR	7.44	3.44	0.0002	14.42	14.39	1086
EX9S15	100YR-24HR	6.51	3.41	0.0007	2.04	2.04	437
EX9S49	100YR-24HR	6.06	3.00	0.0002	1.74	1.68	440

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX9S55	100YR-24HR	8.20	3.00	0.0002	0.86	0.84	446
EX9S57	100YR-24HR	5.14	3.00	0.0002	0.67	0.66	289
EX9S58	100YR-24HR	6.07	3.01	0.0002	1.13	1.14	270
EX9S63	100YR-24HR	6.58	3.01	0.0003	1.10	0.94	100
EX9S69	100YR-24HR	6.85	3.01	0.0002	1.31	1.30	155
EX9S79	100YR-24HR	6.34	3.05	0.0002	3.48	3.46	438
EX9S82	100YR-24HR	6.44	2.89	0.0002	10.86	10.84	952
EX9S85	100YR-24HR	5.82	3.12	0.0010	2.21	2.21	103
EX9S87A	100YR-24HR	7.14	2.99	0.0002	1.61	1.55	341
EX9S90	100YR-24HR	6.44	2.99	0.0002	1.59	1.56	660
EX9S90A	100YR-24HR	8.31	2.99	0.0002	0.85	0.83	177
EX9S91A	100YR-24HR	9.76	2.99	0.0002	2.73	2.72	671
EX9S94	100YR-24HR	12.98	2.99	0.0002	1.14	1.12	442
EX9S96	100YR-24HR	5.44	2.99	0.0002	2.01	1.97	907
EXCS7AS12+1	100YR-24HR	6.61	3.00	0.0002	0.17	0.11	100
EXCS7AS12+2	100YR-24HR	6.61	2.64	0.0001	0.11	0.14	100
EXCS7AS1B+1	100YR-24HR	6.61	3.01	0.0004	0.40	0.30	100
EXCS7AS1B+2	100YR-24HR	6.61	2.64	0.0001	0.30	0.40	100
EXCS7S69+1	100YR-24HR	7.44	3.03	0.0032	8.93	3.78	100
EXCS7S69+2	100YR-24HR	7.44	2.64	0.0001	0.48	0.57	229
EXCS7S76+1	100YR-24HR	6.60	2.97	0.0001	1.01	1.00	371
EXCS7S76+2	100YR-24HR	6.66	2.64	0.0001	0.10	0.11	100
EXCS8S66	100YR-24HR	5.88	2.65	0.0019	1.87	4.68	100
EXCS9S118+1	100YR-24HR	6.74	3.46	0.0003	3.63	3.59	100
EXCS9S118+2	100YR-24HR	6.74	2.90	0.0002	3.61	3.60	524
EXCS9S118+3	100YR-24HR	6.74	3.11	0.0006	1.12	0.48	100
EXCS9S129+1	100YR-24HR	7.61	3.00	0.0002	0.32	0.39	100
EXCS9S129+2	100YR-24HR	7.61	3.08	0.0001	0.36	0.32	100
EXCS9S139C+1	100YR-24HR	7.61	2.99	0.0001	0.37	0.45	115
EXCS9S139C+2	100YR-24HR	7.61	3.09	0.0001	0.43	0.37	253
EXCS9S80	100YR-24HR	5.44	2.90	0.0004	3.87	3.89	100
EXCS9S80A	100YR-24HR	5.44	2.90	0.0009	3.39	3.39	100
PATRICIA LAKE	100YR-24HR	7.44	2.64	0.0001	1.44	0.00	0
POND 7AB	100YR-24HR	6.59	5.11	0.0000	3.02	2.86	36011
POND 7W1	100YR-24HR	5.94	5.09	0.0000	2.44	2.39	20967

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND 8E1	100YR-24HR	5.89	3.10	0.0000	6.41	5.75	73588
POND 8E2	100YR-24HR	9.53	6.89	0.0000	4.52	4.51	6985
POND 9E2	100YR-24HR	6.07	3.01	0.0000	2.03	2.01	1648
POND 9E3	100YR-24HR	6.87	3.01	0.0000	2.90	2.89	2056
POND 9E4	100YR-24HR	6.94	3.43	0.0002	3.23	3.25	2595
POND 9E5	100YR-24HR	6.24	3.16	0.0000	7.43	7.35	21943
POND 9E6	100YR-24HR	5.44	3.15	0.0002	5.14	5.13	3234
POND 9W1	100YR-24HR	6.44	5.52	0.0000	0.94	0.94	5476
POND 9W2	100YR-24HR	8.70	5.78	0.0000	8.10	8.09	5241
POND 9W3	100YR-24HR	6.44	5.81	0.0000	9.99	9.98	6367
POND 9W4	100YR-24HR	7.24	5.82	0.0000	10.59	10.59	601
POND 9W5	100YR-24HR	7.44	5.95	0.0000	14.45	14.42	12311
SWALE 7W1	100YR-24HR	6.49	5.50	0.0000	0.25	0.06	3228
SWALE 8E1	100YR-24HR	4.97	3.61	0.0000	2.84	2.83	8897
SWALE 8W1	100YR-24HR	5.48	4.85	0.0000	2.74	2.73	4891
TROPICAL PARK LAKE	100YR-24HR	7.44	2.64	0.0001	1.07	0.01	0
7GW1	10YR-1HR	7.44	1.44	0.0000	30.86	0.00	0
7GW10	10YR-1HR	7.44	1.44	0.0000	1.85	0.00	0
7GW11	10YR-1HR	7.44	1.44	0.0000	12.05	0.00	0
7GW2	10YR-1HR	7.44	1.44	0.0000	4.19	0.00	0
7GW3	10YR-1HR	7.44	1.44	0.0000	12.16	0.00	0
7GW4	10YR-1HR	7.44	1.44	0.0000	1.40	0.00	0
7GW5	10YR-1HR	7.44	1.44	0.0000	13.02	0.00	0
7GW6	10YR-1HR	7.44	1.44	0.0000	20.10	0.00	0
7GW7	10YR-1HR	7.44	1.44	0.0000	10.52	0.00	0
7GW8	10YR-1HR	7.44	1.44	0.0000	4.29	0.00	0
7GW9	10YR-1HR	7.44	1.44	0.0000	2.94	0.00	0
8GW1	10YR-1HR	7.44	1.44	0.0000	30.85	0.00	0
8GW10	10YR-1HR	7.44	1.44	0.0000	2.66	0.00	0
8GW11	10YR-1HR	7.44	1.44	0.0000	10.07	0.00	0
8GW12	10YR-1HR	7.44	1.44	0.0000	3.47	0.00	0
8GW13	10YR-1HR	7.44	1.44	0.0000	1.44	0.00	0
8GW14	10YR-1HR	7.44	1.44	0.0000	2.27	0.00	0
8GW15	10YR-1HR	7.44	1.44	0.0000	3.03	0.00	0
8GW16	10YR-1HR	7.44	1.44	0.0000	3.77	0.00	0
8GW2	10YR-1HR	7.44	1.44	0.0000	3.21	0.00	0
8GW3	10YR-1HR	7.44	1.44	0.0000	3.23	0.00	0
8GW4	10YR-1HR	7.44	1.44	0.0000	7.01	0.00	0
8GW5	10YR-1HR	7.44	1.44	0.0000	13.64	0.00	0
8GW6	10YR-1HR	7.44	1.44	0.0000	5.87	0.00	0
8GW7	10YR-1HR	7.44	1.44	0.0000	5.26	0.00	0
8GW8	10YR-1HR	7.44	1.44	0.0000	4.37	0.00	0
8GW9	10YR-1HR	7.44	1.44	0.0000	9.36	0.00	0
9GW1	10YR-1HR	7.44	1.44	0.0000	4.42	0.00	0
9GW10	10YR-1HR	7.44	1.44	0.0000	39.32	0.00	0
9GW11	10YR-1HR	7.44	1.44	0.0000	4.21	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
9GW12	10YR-1HR	7.44	1.44	0.0000	7.41	0.00	0
9GW13	10YR-1HR	7.44	1.44	0.0000	1.79	0.00	0
9GW14	10YR-1HR	7.44	1.44	0.0000	9.70	0.00	0
9GW15	10YR-1HR	7.44	1.44	0.0000	6.21	0.00	0
9GW2	10YR-1HR	7.44	1.44	0.0000	2.93	0.00	0
9GW3	10YR-1HR	7.44	1.44	0.0000	5.64	0.00	0
9GW4	10YR-1HR	7.44	1.44	0.0000	7.32	0.00	0
9GW5	10YR-1HR	7.44	1.44	0.0000	4.10	0.00	0
9GW6	10YR-1HR	7.44	1.44	0.0000	31.32	0.00	0
9GW7	10YR-1HR	7.44	1.44	0.0000	10.31	0.00	0
9GW8	10YR-1HR	7.44	1.44	0.0000	17.03	0.00	0
9GW9	10YR-1HR	5.48	1.44	0.0000	11.43	0.00	0
CANAL 1	10YR-1HR	7.44	1.44	0.0000	7.52	0.01	0
CANAL 2	10YR-1HR	7.44	1.44	0.0000	29.04	0.00	0
EX01	10YR-1HR	7.14	3.50	0.0006	2.07	2.08	1184
EX03	10YR-1HR	7.14	3.44	0.0004	8.18	8.58	1962
EX04	10YR-1HR	10.44	6.76	0.0007	0.69	0.66	665
EX7AS01	10YR-1HR	4.94	2.91	0.0004	17.29	17.15	1202
EX7AS02	10YR-1HR	13.35	6.96	0.0010	16.56	16.55	164
EX7AS03	10YR-1HR	14.30	8.05	0.0004	4.50	4.50	143
EX7AS08	10YR-1HR	12.00	8.02	0.0004	5.48	5.48	172
EX7AS11	10YR-1HR	4.94	2.87	0.0002	15.70	15.22	1370
EX7S03	10YR-1HR	8.01	3.22	0.0010	3.24	3.22	471
EX7S11	10YR-1HR	6.84	3.24	0.0004	8.06	8.02	475
EX7S13	10YR-1HR	11.45	1.90	0.0001	1.40	1.40	113
EX7S15	10YR-1HR	6.86	3.39	0.0045	19.03	16.90	486
EX7S16	10YR-1HR	14.47	3.39	0.0057	11.66	15.62	279
EX7S18	10YR-1HR	6.84	3.40	0.0046	10.15	10.03	514
EX7S1A	10YR-1HR	10.90	3.00	0.0005	8.52	8.82	349
EX7S22	10YR-1HR	6.72	3.42	0.0006	9.10	9.16	686
EX7S27	10YR-1HR	7.50	3.42	0.0004	8.37	8.22	635
EX7S32	10YR-1HR	8.60	3.42	0.0004	21.50	21.45	821
EX7S41	10YR-1HR	9.89	3.29	0.0003	9.74	9.71	570
EX7S45	10YR-1HR	9.57	1.97	0.0002	4.85	4.83	608
EX7S66	10YR-1HR	10.37	1.72	0.0001	1.49	1.48	506
EX7S68	10YR-1HR	5.94	3.32	0.0004	10.52	10.49	368
EX7S71	10YR-1HR	5.94	3.37	0.0006	3.56	3.06	462
EX7S74	10YR-1HR	5.49	3.16	0.0003	3.06	3.04	508
EX7S77	10YR-1HR	4.94	2.11	0.0002	7.60	7.55	1154
EX7S78	10YR-1HR	13.52	5.78	0.0002	2.56	2.56	137
EX7S86	10YR-1HR	7.23	1.83	0.0001	5.42	5.39	1226
EX7S8A	10YR-1HR	7.26	3.27	0.0004	7.73	7.70	335
EX7S90	10YR-1HR	7.95	1.85	0.0001	2.43	2.42	475
EX7S91	10YR-1HR	7.04	3.38	0.0004	3.25	3.05	103
EX7S92	10YR-1HR	9.70	3.34	0.0004	6.00	5.99	354
EX7S93	10YR-1HR	10.04	3.40	0.0004	9.86	12.72	737
EX7S94	10YR-1HR	11.43	3.36	0.0003	8.42	8.40	356

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX7S97	10YR-1HR	7.44	3.43	0.0004	9.55	9.86	1006
EX8S01	10YR-1HR	9.27	3.47	0.0004	24.24	24.08	1317
EX8S06	10YR-1HR	7.80	2.93	0.0003	1.83	1.61	411
EX8S101	10YR-1HR	7.18	2.49	0.0004	3.04	3.04	203
EX8S12	10YR-1HR	7.26	2.97	0.0003	6.09	6.09	656
EX8S13	10YR-1HR	7.64	3.06	0.0003	3.56	3.49	228
EX8S139D	10YR-1HR	7.88	3.37	0.0004	6.95	6.78	2839
EX8S15A	10YR-1HR	6.02	2.91	0.0003	13.36	13.22	1338
EX8S16	10YR-1HR	7.35	3.05	0.0004	7.45	7.30	664
EX8S17	10YR-1HR	6.26	2.93	0.0005	8.52	8.42	293
EX8S21	10YR-1HR	6.59	2.92	0.0010	6.62	6.33	192
EX8S25	10YR-1HR	10.25	3.06	0.0005	7.25	7.19	802
EX8S26	10YR-1HR	9.96	3.08	0.0004	4.12	4.10	298
EX8S31A	10YR-1HR	9.53	3.16	0.0004	12.60	12.57	940
EX8S40E1	10YR-1HR	7.44	3.74	0.0005	10.19	9.51	1970
EX8S40W1	10YR-1HR	6.21	4.67	0.0008	5.07	5.03	237
EX8S40W2	10YR-1HR	7.01	4.68	0.0008	5.76	5.74	285
EX8S40W3	10YR-1HR	7.48	4.73	0.0006	6.52	6.50	677
EX8S40W4	10YR-1HR	8.48	3.54	0.0003	4.28	3.85	758
EX8S40W5	10YR-1HR	5.44	2.58	0.0002	1.75	1.73	233
EX8S40W6	10YR-1HR	7.56	3.51	0.0003	7.56	7.17	1921
EX8S40W7	10YR-1HR	5.74	2.59	0.0003	2.88	2.86	312
EX8S40W8	10YR-1HR	5.44	2.60	0.0002	0.59	0.57	100
EX8S40W9	10YR-1HR	7.74	5.50	0.0008	1.85	1.84	132
EX8S45	10YR-1HR	6.84	2.92	0.0003	5.27	4.02	804
EX8S47	10YR-1HR	6.64	2.92	0.0003	4.02	1.54	1604
EX8S49	10YR-1HR	9.07	3.08	0.0004	6.07	6.10	773
EX8S54	10YR-1HR	6.69	2.46	0.0002	3.51	3.50	150
EX8S56	10YR-1HR	9.91	2.92	0.0003	1.45	0.61	904
EX8S57	10YR-1HR	4.97	2.47	0.0002	5.57	5.57	150
EX8S5A	10YR-1HR	7.91	2.93	0.0003	1.94	1.89	162
EX8S67	10YR-1HR	7.45	1.47	0.0010	0.02	0.03	100
EX8S70	10YR-1HR	7.13	1.47	0.0007	7.51	7.52	302
EX8S72A	10YR-1HR	7.98	2.16	0.0002	3.75	3.74	364
EX8S74	10YR-1HR	7.52	2.51	0.0003	11.92	11.89	909
EX8S81	10YR-1HR	7.91	2.60	0.0002	15.83	15.71	1084
EX8S83	10YR-1HR	8.58	2.40	0.0002	4.94	4.90	721
EX8S85	10YR-1HR	4.69	2.01	0.0002	3.62	3.59	938
EX8S85B	10YR-1HR	11.23	1.83	0.0001	1.79	1.75	538
EX8S87	10YR-1HR	5.48	2.05	0.0010	5.59	5.55	589
EX8S88	10YR-1HR	7.41	2.03	0.0007	3.42	3.37	840
EX8S98	10YR-1HR	6.86	2.51	0.0001	1.12	1.13	375
EX8S99	10YR-1HR	7.64	3.35	0.0004	8.83	8.63	2738
EX9S101	10YR-1HR	11.78	7.04	0.0003	3.73	3.73	310
EX9S104	10YR-1HR	10.32	5.16	0.0008	25.26	25.13	897
EX9S107	10YR-1HR	8.70	6.05	0.0010	25.73	25.97	377
EX9S110	10YR-1HR	9.18	5.58	0.0010	22.78	22.87	886

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX9S113	10YR-1HR	6.44	6.11	0.0010	22.33	21.71	505
EX9S116	10YR-1HR	7.24	5.84	0.0009	34.60	34.59	566
EX9S117	10YR-1HR	7.16	4.30	0.0009	19.95	19.95	333
EX9S119	10YR-1HR	6.79	3.59	0.0010	15.53	15.43	1083
EX9S12	10YR-1HR	9.26	4.83	0.0006	9.59	9.46	764
EX9S125	10YR-1HR	7.44	5.79	0.0010	37.50	37.11	1078
EX9S15	10YR-1HR	6.51	4.69	0.0008	5.82	5.85	439
EX9S49	10YR-1HR	6.06	2.75	0.0002	5.88	5.62	440
EX9S55	10YR-1HR	8.20	2.70	0.0003	3.16	3.05	446
EX9S57	10YR-1HR	5.14	2.71	0.0003	3.08	3.16	289
EX9S58	10YR-1HR	6.07	2.77	0.0003	5.23	5.23	273
EX9S63	10YR-1HR	6.58	3.36	0.0009	2.96	2.93	100
EX9S69	10YR-1HR	6.85	3.42	0.0010	5.95	5.64	156
EX9S79	10YR-1HR	6.34	2.32	0.0003	7.35	7.32	439
EX9S82	10YR-1HR	6.44	3.46	0.0006	29.06	29.04	998
EX9S85	10YR-1HR	5.82	3.57	0.0013	4.11	4.10	103
EX9S87A	10YR-1HR	7.14	2.78	0.0002	5.94	5.95	342
EX9S90	10YR-1HR	6.44	2.59	0.0002	4.90	4.81	660
EX9S90A	10YR-1HR	8.31	2.61	0.0002	4.31	4.28	177
EX9S91A	10YR-1HR	9.76	2.68	0.0003	10.31	10.25	671
EX9S94	10YR-1HR	12.98	2.68	0.0003	3.78	3.70	442
EX9S96	10YR-1HR	5.44	2.61	0.0002	6.32	5.98	904
EXCS7AS12+1	10YR-1HR	6.61	2.87	0.0002	0.19	0.10	100
EXCS7AS12+2	10YR-1HR	6.61	1.44	0.0000	0.00	0.00	100
EXCS7AS1B+1	10YR-1HR	6.61	2.91	0.0004	0.12	0.08	100
EXCS7AS1B+2	10YR-1HR	6.61	1.44	0.0000	0.00	0.00	100
EXCS7S69+1	10YR-1HR	7.44	3.38	0.0038	16.90	15.43	100
EXCS7S69+2	10YR-1HR	7.44	1.44	0.0002	4.86	5.06	230
EXCS7S76+1	10YR-1HR	6.60	2.36	0.0003	3.04	3.01	374
EXCS7S76+2	10YR-1HR	6.66	1.44	0.0000	0.00	0.00	100
EXCS8S66	10YR-1HR	5.88	1.47	0.0010	0.03	0.01	100
EXCS9S118+1	10YR-1HR	6.74	4.19	0.0018	14.66	14.66	100
EXCS9S118+2	10YR-1HR	6.74	3.63	0.0006	14.66	14.63	524
EXCS9S118+3	10YR-1HR	6.74	3.59	0.0010	2.49	2.45	100
EXCS9S129+1	10YR-1HR	7.61	2.76	0.0002	2.36	2.31	100
EXCS9S129+2	10YR-1HR	7.61	3.34	0.0009	2.36	2.36	100
EXCS9S139C+1	10YR-1HR	7.61	2.79	0.0003	2.58	2.60	114

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EXCS9S139C +2	10YR-1HR	7.61	3.37	0.0004	2.58	2.58	253
EXCS9S80	10YR-1HR	5.44	3.53	0.0006	14.34	14.73	196
EXCS9S80A	10YR-1HR	5.44	3.55	0.0006	13.30	12.91	196
PATRICIA LAKE	10YR-1HR	7.44	1.44	0.0000	1.25	0.00	0
POND 7AB	10YR-1HR	6.59	5.10	0.0000	5.33	2.63	35971
POND 7W1	10YR-1HR	5.94	5.12	0.0000	4.45	2.96	21110
POND 8E1	10YR-1HR	5.89	2.87	0.0001	15.80	1.31	72218
POND 8E2	10YR-1HR	9.53	7.09	0.0001	12.86	12.60	7347
POND 9E2	10YR-1HR	6.07	3.39	0.0002	8.32	8.16	1743
POND 9E3	10YR-1HR	6.87	3.51	0.0003	13.89	13.57	2382
POND 9E4	10YR-1HR	6.94	4.82	0.0005	15.83	12.82	3284
POND 9E5	10YR-1HR	6.24	3.58	0.0002	23.52	20.56	22850
POND 9E6	10YR-1HR	5.44	3.61	0.0003	17.64	16.97	3560
POND 9W1	10YR-1HR	6.44	5.55	0.0000	1.62	1.50	5568
POND 9W2	10YR-1HR	8.70	6.27	0.0002	21.97	21.38	5879
POND 9W3	10YR-1HR	6.44	6.30	0.0002	27.89	25.02	7050
POND 9W4	10YR-1HR	7.24	6.30	0.0001	30.01	29.69	811
POND 9W5	10YR-1HR	7.44	6.45	0.0002	40.92	37.50	14052
SWALE 7W1	10YR-1HR	6.49	3.35	0.0000	0.30	0.00	2669
SWALE 8E1	10YR-1HR	4.97	3.70	0.0001	6.01	5.57	9089
SWALE 8W1	10YR-1HR	5.48	4.95	0.0001	5.73	5.59	5219
TROPICAL PARK LAKE	10YR-1HR	7.44	1.44	0.0000	5.55	0.00	0
7GW1	10YR-24HR	7.44	2.94	0.0002	7.17	0.00	0
7GW10	10YR-24HR	7.44	2.94	0.0002	0.50	0.00	0
7GW11	10YR-24HR	7.44	2.94	0.0002	3.01	0.00	0
7GW2	10YR-24HR	7.44	2.94	0.0002	1.06	0.00	0
7GW3	10YR-24HR	7.44	2.94	0.0002	3.06	0.00	0
7GW4	10YR-24HR	7.44	2.94	0.0002	0.23	0.00	0
7GW5	10YR-24HR	7.44	2.94	0.0002	3.10	0.00	0
7GW6	10YR-24HR	7.44	2.94	0.0002	4.73	0.00	0
7GW7	10YR-24HR	7.44	2.94	0.0002	2.67	0.00	0
7GW8	10YR-24HR	7.44	2.94	0.0002	1.20	0.00	0
7GW9	10YR-24HR	7.44	2.94	0.0002	0.92	0.00	0
8GW1	10YR-24HR	7.44	2.94	0.0002	6.49	0.00	0
8GW10	10YR-24HR	7.44	2.94	0.0002	0.56	0.00	0
8GW11	10YR-24HR	7.44	2.94	0.0002	1.95	0.00	0
8GW12	10YR-24HR	7.44	2.94	0.0002	0.56	0.00	0
8GW13	10YR-24HR	7.44	2.94	0.0002	0.30	0.00	0
8GW14	10YR-24HR	7.44	2.94	0.0002	0.49	0.00	0
8GW15	10YR-24HR	7.44	2.94	0.0002	0.68	0.07	0
8GW16	10YR-24HR	7.44	2.94	0.0002	0.79	0.00	0
8GW2	10YR-24HR	7.44	2.94	0.0002	0.72	0.00	0
8GW3	10YR-24HR	7.44	2.94	0.0002	0.51	0.00	0
8GW4	10YR-24HR	7.44	2.94	0.0002	1.99	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
8GW5	10YR-24HR	7.44	2.94	0.0002	2.47	0.00	0
8GW6	10YR-24HR	7.44	2.94	0.0002	1.25	0.00	0
8GW7	10YR-24HR	7.44	2.94	0.0002	1.91	0.00	0
8GW8	10YR-24HR	7.44	2.94	0.0002	1.89	0.00	0
8GW9	10YR-24HR	7.44	2.94	0.0002	2.19	0.00	0
9GW1	10YR-24HR	7.44	2.94	0.0002	0.55	0.00	0
9GW10	10YR-24HR	7.44	2.94	0.0002	8.95	0.00	0
9GW11	10YR-24HR	7.44	2.94	0.0002	0.73	0.00	0
9GW12	10YR-24HR	7.44	2.94	0.0002	1.33	0.00	0
9GW13	10YR-24HR	7.44	2.94	0.0002	0.34	0.00	0
9GW14	10YR-24HR	7.44	2.94	0.0002	1.85	0.00	0
9GW15	10YR-24HR	7.44	2.94	0.0002	0.78	0.00	0
9GW2	10YR-24HR	7.44	2.94	0.0002	0.55	0.00	0
9GW3	10YR-24HR	7.44	2.94	0.0002	0.49	0.00	0
9GW4	10YR-24HR	7.44	2.94	0.0002	2.79	0.00	0
9GW5	10YR-24HR	7.44	2.94	0.0002	1.90	0.00	0
9GW6	10YR-24HR	7.44	2.94	0.0002	8.86	0.00	0
9GW7	10YR-24HR	7.44	2.94	0.0002	3.02	0.00	0
9GW8	10YR-24HR	7.44	2.94	0.0002	5.07	0.00	0
9GW9	10YR-24HR	5.48	2.94	0.0002	3.62	0.00	0
CANAL 1	10YR-24HR	7.44	2.64	0.0002	1.89	0.08	0
CANAL 2	10YR-24HR	7.44	2.64	0.0002	3.85	0.04	0
EX01	10YR-24HR	7.14	2.99	0.0001	0.67	0.67	1139
EX03	10YR-24HR	7.14	2.99	0.0002	2.18	2.19	1564
EX04	10YR-24HR	10.44	6.68	0.0007	0.38	0.38	606
EX7AS01	10YR-24HR	4.94	2.97	0.0004	4.87	4.82	1200
EX7AS02	10YR-24HR	13.35	5.86	0.0010	3.30	3.30	165
EX7AS03	10YR-24HR	14.30	7.63	0.0003	1.29	1.29	136
EX7AS08	10YR-24HR	12.00	7.47	0.0003	1.11	1.11	136
EX7AS11	10YR-24HR	4.94	2.96	0.0002	3.38	3.34	1335
EX7S03	10YR-24HR	8.01	2.97	0.0005	0.49	0.48	473
EX7S11	10YR-24HR	6.84	2.98	0.0002	2.05	2.04	476
EX7S13	10YR-24HR	11.45	2.95	0.0002	0.23	0.23	113
EX7S15	10YR-24HR	6.86	2.98	0.0035	6.06	6.07	486
EX7S16	10YR-24HR	14.47	2.98	0.0031	4.81	6.06	279
EX7S18	10YR-24HR	6.84	2.98	0.0020	3.59	5.08	514
EX7S1A	10YR-24HR	10.90	2.97	0.0003	1.31	1.30	312
EX7S22	10YR-24HR	6.72	2.98	0.0005	2.30	1.93	687
EX7S27	10YR-24HR	7.50	2.98	0.0002	2.47	2.47	635
EX7S32	10YR-24HR	8.60	2.98	0.0002	5.42	5.39	821
EX7S41	10YR-24HR	9.89	2.98	0.0002	2.29	2.27	570
EX7S45	10YR-24HR	9.57	2.95	0.0002	1.09	1.07	684
EX7S66	10YR-24HR	10.37	2.95	0.0002	0.59	0.57	609
EX7S68	10YR-24HR	5.94	2.98	0.0003	2.73	2.61	368
EX7S71	10YR-24HR	5.94	2.98	0.0003	1.16	1.24	460
EX7S74	10YR-24HR	5.49	2.96	0.0000	0.66	0.65	497
EX7S77	10YR-24HR	4.94	2.96	0.0002	2.14	2.11	1218

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX7S78	10YR-24HR	13.52	5.39	0.0000	0.55	0.55	108
EX7S86	10YR-24HR	7.23	2.96	0.0002	1.98	1.94	1398
EX7S8A	10YR-24HR	7.26	2.98	0.0003	1.70	1.69	337
EX7S90	10YR-24HR	7.95	2.96	0.0002	1.32	1.30	545
EX7S91	10YR-24HR	7.04	2.98	0.0004	1.38	0.97	103
EX7S92	10YR-24HR	9.70	2.98	0.0002	1.55	1.50	354
EX7S93	10YR-24HR	10.04	2.99	0.0003	2.57	4.37	737
EX7S94	10YR-24HR	11.43	2.98	0.0002	2.01	1.99	356
EX7S97	10YR-24HR	7.44	2.99	0.0002	2.58	2.57	1006
EX8S01	10YR-24HR	9.27	2.96	0.0002	4.69	4.64	1317
EX8S06	10YR-24HR	7.80	2.96	0.0002	0.26	0.25	412
EX8S101	10YR-24HR	7.18	2.66	0.0005	1.05	1.05	168
EX8S12	10YR-24HR	7.26	2.96	0.0001	1.14	1.13	504
EX8S13	10YR-24HR	7.64	2.96	0.0002	0.64	0.63	228
EX8S139D	10YR-24HR	7.88	2.92	0.0002	1.19	1.14	2839
EX8S15A	10YR-24HR	6.02	2.96	0.0002	2.99	2.95	1338
EX8S16	10YR-24HR	7.35	2.96	0.0002	1.39	1.35	663
EX8S17	10YR-24HR	6.26	2.96	0.0002	1.36	1.35	292
EX8S21	10YR-24HR	6.59	2.96	0.0010	0.49	0.45	192
EX8S25	10YR-24HR	10.25	2.96	0.0002	2.01	2.00	730
EX8S26	10YR-24HR	9.96	2.96	0.0002	1.45	1.45	298
EX8S31A	10YR-24HR	9.53	2.97	0.0002	3.19	3.18	919
EX8S40E1	10YR-24HR	7.44	2.94	0.0002	1.69	1.65	1970
EX8S40W1	10YR-24HR	6.21	3.06	0.0002	0.98	0.97	237
EX8S40W2	10YR-24HR	7.01	3.06	0.0002	1.10	1.10	237
EX8S40W3	10YR-24HR	7.48	3.49	0.0003	1.08	1.08	612
EX8S40W4	10YR-24HR	8.48	2.93	0.0002	0.56	0.55	758
EX8S40W5	10YR-24HR	5.44	2.96	0.0002	0.29	0.28	233
EX8S40W6	10YR-24HR	7.56	2.92	0.0002	1.17	1.13	1921
EX8S40W7	10YR-24HR	5.74	2.96	0.0002	0.48	0.47	312
EX8S40W8	10YR-24HR	5.44	2.96	0.0001	0.10	0.11	100
EX8S40W9	10YR-24HR	7.74	5.10	0.0004	0.45	0.45	119
EX8S45	10YR-24HR	6.84	2.96	0.0003	0.36	0.49	804
EX8S47	10YR-24HR	6.64	2.96	0.0002	0.33	0.36	1604
EX8S49	10YR-24HR	9.07	2.97	0.0002	2.03	2.04	773
EX8S54	10YR-24HR	6.69	3.06	0.0009	2.17	0.99	150
EX8S56	10YR-24HR	9.91	2.97	0.0002	0.31	0.33	920
EX8S57	10YR-24HR	4.97	3.06	0.0009	1.68	2.84	150
EX8S5A	10YR-24HR	7.91	2.96	0.0002	0.34	0.33	162
EX8S67	10YR-24HR	7.45	2.64	0.0010	0.46	0.56	100
EX8S70	10YR-24HR	7.13	2.64	0.0010	1.83	1.90	310
EX8S72A	10YR-24HR	7.98	2.96	0.0002	1.61	1.60	377
EX8S74	10YR-24HR	7.52	2.96	0.0002	3.09	3.06	908
EX8S81	10YR-24HR	7.91	2.96	0.0002	3.68	3.64	1087
EX8S83	10YR-24HR	8.58	2.96	0.0002	1.16	1.12	727
EX8S85	10YR-24HR	4.69	2.96	0.0002	1.39	1.35	1007
EX8S85B	10YR-24HR	11.23	2.96	0.0002	0.95	0.93	614

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX8S87	10YR-24HR	5.48	2.96	0.0002	1.62	1.60	610
EX8S88	10YR-24HR	7.41	2.96	0.0002	1.57	1.55	880
EX8S98	10YR-24HR	6.86	2.96	0.0001	1.57	1.57	446
EX8S99	10YR-24HR	7.64	2.91	0.0002	1.79	1.74	2738
EX9S101	10YR-24HR	11.78	6.56	0.0002	0.66	0.66	253
EX9S104	10YR-24HR	10.32	3.14	0.0002	4.44	4.40	874
EX9S107	10YR-24HR	8.70	3.19	0.0002	7.19	7.19	377
EX9S110	10YR-24HR	9.18	3.15	0.0002	5.71	5.69	820
EX9S113	10YR-24HR	6.44	3.21	0.0002	5.64	5.65	505
EX9S116	10YR-24HR	7.24	3.21	0.0002	7.03	7.02	566
EX9S117	10YR-24HR	7.16	3.18	0.0002	2.68	3.20	333
EX9S119	10YR-24HR	6.79	3.05	0.0002	3.61	3.58	1096
EX9S12	10YR-24HR	9.26	3.14	0.0004	1.08	1.10	764
EX9S125	10YR-24HR	7.44	3.07	0.0002	9.03	9.00	1086
EX9S15	10YR-24HR	6.51	3.14	0.0007	0.97	0.96	437
EX9S49	10YR-24HR	6.06	2.97	0.0002	0.86	0.83	440
EX9S55	10YR-24HR	8.20	2.97	0.0002	0.44	0.42	446
EX9S57	10YR-24HR	5.14	2.97	0.0002	0.35	0.34	289
EX9S58	10YR-24HR	6.07	2.97	0.0002	0.49	0.50	268
EX9S63	10YR-24HR	6.58	2.97	0.0002	0.60	0.55	100
EX9S69	10YR-24HR	6.85	2.97	0.0002	0.51	0.49	155
EX9S79	10YR-24HR	6.34	3.01	0.0002	2.80	2.79	438
EX9S82	10YR-24HR	6.44	2.65	0.0002	3.95	3.85	952
EX9S85	10YR-24HR	5.82	3.06	0.0010	1.90	1.90	103
EX9S87A	10YR-24HR	7.14	2.96	0.0002	0.75	0.74	341
EX9S90	10YR-24HR	6.44	2.96	0.0002	0.95	0.92	660
EX9S90A	10YR-24HR	8.31	2.96	0.0002	0.49	0.48	177
EX9S91A	10YR-24HR	9.76	2.96	0.0002	1.56	1.54	671
EX9S94	10YR-24HR	12.98	2.96	0.0002	0.68	0.67	442
EX9S96	10YR-24HR	5.44	2.96	0.0002	1.24	1.21	901
EXCS7AS12+1	10YR-24HR	6.61	2.96	0.0002	0.04	0.03	100
EXCS7AS12+2	10YR-24HR	6.61	2.64	0.0002	0.03	0.04	100
EXCS7AS1B+1	10YR-24HR	6.61	2.97	0.0004	0.11	0.07	100
EXCS7AS1B+2	10YR-24HR	6.61	2.64	0.0002	0.07	0.09	100
EXCS7S69+1	10YR-24HR	7.44	2.98	0.0022	6.08	2.37	100
EXCS7S69+2	10YR-24HR	7.44	2.64	0.0002	0.14	0.27	229
EXCS7S76+1	10YR-24HR	6.60	2.96	0.0001	0.65	0.67	369
EXCS7S76+2	10YR-24HR	6.66	2.64	0.0002	0.05	0.05	100
EXCS8S66	10YR-24HR	5.88	2.64	0.0010	0.39	0.25	100
EXCS9S118+1	10YR-24HR	6.74	3.18	0.0004	1.43	0.90	100
EXCS9S118+2	10YR-24HR	6.74	2.65	0.0002	0.90	0.95	524

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EXCS9S118+3	10YR-24HR	6.74	3.05	0.0007	1.57	0.15	100
EXCS9S129+1	10YR-24HR	7.61	2.97	0.0002	0.01	0.00	100
EXCS9S129+2	10YR-24HR	7.61	2.91	0.0001	0.02	0.00	100
EXCS9S139C+1	10YR-24HR	7.61	2.96	0.0001	0.01	0.01	115
EXCS9S139C+2	10YR-24HR	7.61	2.92	0.0001	0.02	0.01	253
EXCS9S80	10YR-24HR	5.44	2.65	0.0002	1.31	1.41	100
EXCS9S80A	10YR-24HR	5.44	2.65	0.0002	1.67	1.74	100
PATRICIA LAKE	10YR-24HR	7.44	2.64	0.0002	0.69	0.00	0
POND 7AB	10YR-24HR	6.59	5.05	0.0000	1.73	1.59	35774
POND 7W1	10YR-24HR	5.94	5.04	0.0000	1.41	1.35	20674
POND 8E1	10YR-24HR	5.89	2.97	0.0000	3.71	2.37	73010
POND 8E2	10YR-24HR	9.53	6.84	0.0000	2.77	2.76	6882
POND 9E2	10YR-24HR	6.07	2.97	0.0000	1.02	1.08	1633
POND 9E3	10YR-24HR	6.87	2.97	0.0000	1.29	1.28	2015
POND 9E4	10YR-24HR	6.94	3.15	0.0002	2.06	2.04	2451
POND 9E5	10YR-24HR	6.24	3.07	0.0000	4.22	4.11	21718
POND 9E6	10YR-24HR	5.44	3.09	0.0001	3.30	3.29	3182
POND 9W1	10YR-24HR	6.44	5.50	0.0000	0.53	0.53	5398
POND 9W2	10YR-24HR	8.70	5.69	0.0000	5.05	5.04	5120
POND 9W3	10YR-24HR	6.44	5.71	0.0000	6.12	6.11	6215
POND 9W4	10YR-24HR	7.24	5.72	0.0000	6.69	6.69	559
POND 9W5	10YR-24HR	7.44	5.81	0.0000	9.07	9.03	11833
SWALE 7W1	10YR-24HR	6.49	4.51	0.0000	0.13	0.00	2969
SWALE 8E1	10YR-24HR	4.97	3.56	0.0000	1.69	1.68	8798
SWALE 8W1	10YR-24HR	5.48	4.80	0.0000	1.63	1.62	4734
TROPICAL PARK LAKE	10YR-24HR	7.44	2.64	0.0002	0.46	0.01	0
7GW1	25YR-72HR	7.44	2.94	0.0001	34.84	0.00	0
7GW10	25YR-72HR	7.44	2.94	0.0001	3.89	0.00	0
7GW11	25YR-72HR	7.44	2.94	0.0001	11.17	0.00	0
7GW2	25YR-72HR	7.44	2.94	0.0001	3.92	0.00	0
7GW3	25YR-72HR	7.44	2.94	0.0001	11.20	0.00	0
7GW4	25YR-72HR	7.44	2.94	0.0001	1.60	0.00	0
7GW5	25YR-72HR	7.44	2.94	0.0001	12.75	0.00	0
7GW6	25YR-72HR	7.44	2.94	0.0001	19.83	0.00	0
7GW7	25YR-72HR	7.44	2.94	0.0001	22.74	0.00	0
7GW8	25YR-72HR	7.44	2.94	0.0001	10.74	0.00	0
7GW9	25YR-72HR	7.44	2.94	0.0001	7.42	0.00	0
8GW1	25YR-72HR	7.44	2.94	0.0001	42.43	0.00	0
8GW10	25YR-72HR	7.44	2.94	0.0001	4.42	0.00	0
8GW11	25YR-72HR	7.44	2.94	0.0001	10.18	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
8GW12	25YR-72HR	7.44	2.94	0.0001	6.63	0.00	0
8GW13	25YR-72HR	7.44	2.94	0.0001	1.27	0.00	0
8GW14	25YR-72HR	7.44	2.94	0.0001	1.94	0.00	0
8GW15	25YR-72HR	7.44	2.94	0.0001	2.52	0.02	0
8GW16	25YR-72HR	7.44	2.94	0.0001	3.19	0.00	0
8GW2	25YR-72HR	7.44	2.94	0.0001	4.15	0.00	0
8GW3	25YR-72HR	7.44	2.94	0.0001	4.12	0.00	0
8GW4	25YR-72HR	7.44	2.94	0.0001	7.20	0.00	0
8GW5	25YR-72HR	7.44	2.94	0.0001	15.25	0.00	0
8GW6	25YR-72HR	7.44	2.94	0.0001	8.07	0.00	0
8GW7	25YR-72HR	7.44	2.94	0.0001	11.07	0.00	0
8GW8	25YR-72HR	7.44	2.94	0.0001	10.65	0.00	0
8GW9	25YR-72HR	7.44	2.94	0.0001	11.63	0.00	0
9GW1	25YR-72HR	7.44	2.94	0.0001	7.05	0.00	0
9GW10	25YR-72HR	7.44	2.94	0.0001	45.40	0.00	0
9GW11	25YR-72HR	7.44	2.94	0.0001	6.61	0.00	0
9GW12	25YR-72HR	7.44	2.94	0.0001	11.72	0.00	0
9GW13	25YR-72HR	7.44	2.94	0.0001	2.95	0.00	0
9GW14	25YR-72HR	7.44	2.94	0.0001	16.16	0.00	0
9GW15	25YR-72HR	7.44	2.94	0.0001	9.93	0.00	0
9GW2	25YR-72HR	7.44	2.94	0.0001	3.28	0.00	0
9GW3	25YR-72HR	7.44	2.94	0.0001	6.65	0.00	0
9GW4	25YR-72HR	7.44	2.94	0.0001	20.12	0.00	0
9GW5	25YR-72HR	7.44	2.94	0.0001	5.02	0.00	0
9GW6	25YR-72HR	7.44	2.94	0.0001	32.53	0.00	0
9GW7	25YR-72HR	7.44	2.94	0.0001	11.19	0.00	0
9GW8	25YR-72HR	7.44	2.94	0.0001	18.40	0.00	0
9GW9	25YR-72HR	5.48	2.94	0.0001	12.00	0.00	0
CANAL 1	25YR-72HR	7.44	2.99	0.0001	31.54	0.49	0
CANAL 2	25YR-72HR	7.44	2.99	0.0001	31.56	0.01	0
EX01	25YR-72HR	7.14	5.17	0.0006	5.91	5.82	1086
EX03	25YR-72HR	7.14	5.02	0.0006	18.31	19.16	2706
EX04	25YR-72HR	10.44	7.29	0.0007	4.17	4.16	445
EX7AS01	25YR-72HR	4.94	4.09	0.0004	35.51	35.52	1197
EX7AS02	25YR-72HR	13.35	7.58	0.0037	25.73	25.72	165
EX7AS03	25YR-72HR	14.30	8.43	0.0035	11.74	12.33	146
EX7AS08	25YR-72HR	12.00	8.31	0.0004	8.72	8.71	176
EX7AS11	25YR-72HR	4.94	4.01	0.0004	24.79	24.78	1317
EX7S03	25YR-72HR	8.01	4.54	0.0004	7.38	7.37	474
EX7S11	25YR-72HR	6.84	4.63	0.0004	7.54	7.53	476
EX7S13	25YR-72HR	11.45	3.01	0.0001	1.61	1.60	113
EX7S15	25YR-72HR	6.86	4.78	0.0051	45.83	45.81	486
EX7S16	25YR-72HR	14.47	4.82	0.0042	28.58	28.63	279
EX7S18	25YR-72HR	6.84	4.85	0.0041	24.25	24.63	514
EX7S1A	25YR-72HR	10.90	4.26	0.0008	13.67	13.65	312
EX7S22	25YR-72HR	6.72	4.96	0.0011	18.37	18.34	594
EX7S27	25YR-72HR	7.50	5.11	0.0006	16.36	16.33	635

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX7S32	25YR-72HR	8.60	5.37	0.0008	32.96	32.94	821
EX7S41	25YR-72HR	9.89	4.85	0.0008	14.76	14.76	570
EX7S45	25YR-72HR	9.57	3.41	0.0002	6.61	6.59	684
EX7S66	25YR-72HR	10.37	3.42	0.0002	6.47	6.44	617
EX7S68	25YR-72HR	5.94	4.67	0.0005	9.29	9.32	368
EX7S71	25YR-72HR	5.94	4.66	0.0009	9.48	9.47	344
EX7S74	25YR-72HR	5.49	4.05	0.0002	9.47	9.45	512
EX7S77	25YR-72HR	4.94	3.67	0.0002	17.59	17.71	1218
EX7S78	25YR-72HR	13.52	5.97	0.0001	4.00	4.00	143
EX7S86	25YR-72HR	7.23	3.41	0.0002	13.70	13.67	1398
EX7S8A	25YR-72HR	7.26	4.69	0.0004	12.60	12.57	337
EX7S90	25YR-72HR	7.95	3.42	0.0002	7.37	7.38	545
EX7S91	25YR-72HR	7.04	4.84	0.0010	2.76	2.39	103
EX7S92	25YR-72HR	9.70	4.83	0.0006	5.58	5.57	354
EX7S93	25YR-72HR	10.04	4.88	0.0005	22.91	23.02	737
EX7S94	25YR-72HR	11.43	4.86	0.0005	8.28	8.28	356
EX7S97	25YR-72HR	7.44	4.97	0.0010	22.61	22.91	1006
EX8S01	25YR-72HR	9.27	4.97	0.0010	33.28	33.24	1317
EX8S06	25YR-72HR	7.80	3.97	0.0003	2.16	2.06	416
EX8S101	25YR-72HR	7.18	3.71	0.0003	8.19	8.15	221
EX8S12	25YR-72HR	7.26	3.97	0.0003	10.02	10.00	520
EX8S13	25YR-72HR	7.64	4.02	0.0005	4.96	5.03	228
EX8S139D	25YR-72HR	7.88	4.76	0.0006	11.48	11.40	2281
EX8S15A	25YR-72HR	6.02	3.98	0.0003	17.41	17.29	1338
EX8S16	25YR-72HR	7.35	4.03	0.0005	6.50	6.77	663
EX8S17	25YR-72HR	6.26	3.99	0.0005	6.13	5.96	292
EX8S21	25YR-72HR	6.59	3.98	0.0010	5.62	5.65	192
EX8S25	25YR-72HR	10.25	4.02	0.0011	8.09	7.17	731
EX8S26	25YR-72HR	9.96	4.02	0.0013	5.38	5.41	298
EX8S31A	25YR-72HR	9.53	4.03	0.0002	21.16	21.23	979
EX8S40E1	25YR-72HR	7.44	5.12	0.0011	11.70	11.62	1970
EX8S40W1	25YR-72HR	6.21	6.60	0.0010	6.45	6.34	237
EX8S40W2	25YR-72HR	7.01	6.59	0.0010	5.24	5.21	277
EX8S40W3	25YR-72HR	7.48	6.59	0.0010	7.53	7.47	596
EX8S40W4	25YR-72HR	8.48	5.01	0.0009	7.47	7.45	671
EX8S40W5	25YR-72HR	5.44	4.83	0.0005	3.34	3.30	233
EX8S40W6	25YR-72HR	7.56	4.93	0.0010	12.22	12.18	1921
EX8S40W7	25YR-72HR	5.74	4.86	0.0005	5.95	5.92	312
EX8S40W8	25YR-72HR	5.44	4.86	0.0005	0.68	0.71	100
EX8S40W9	25YR-72HR	7.74	5.83	0.0003	3.59	3.58	132
EX8S45	25YR-72HR	6.84	3.98	0.0013	5.03	5.18	804
EX8S47	25YR-72HR	6.64	3.98	0.0007	4.74	5.03	1604
EX8S49	25YR-72HR	9.07	4.02	0.0003	7.65	7.78	773
EX8S54	25YR-72HR	6.69	4.29	0.0003	3.67	3.60	150
EX8S56	25YR-72HR	9.91	3.98	0.0005	6.19	5.93	921
EX8S57	25YR-72HR	4.97	4.29	0.0004	11.15	11.19	151
EX8S5A	25YR-72HR	7.91	3.97	0.0003	2.35	2.33	162

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX8S67	25YR-72HR	7.45	3.46	0.0030	21.29	21.30	100
EX8S70	25YR-72HR	7.13	3.42	0.0012	31.56	31.54	310
EX8S72A	25YR-72HR	7.98	3.52	0.0002	9.40	9.41	377
EX8S74	25YR-72HR	7.52	3.80	0.0002	19.49	19.47	909
EX8S81	25YR-72HR	7.91	3.84	0.0002	18.98	18.92	1087
EX8S83	25YR-72HR	8.58	3.74	0.0002	8.50	8.47	727
EX8S85	25YR-72HR	4.69	3.60	0.0002	10.11	10.06	1007
EX8S85B	25YR-72HR	11.23	3.57	0.0002	5.32	5.30	614
EX8S87	25YR-72HR	5.48	3.63	0.0002	12.92	12.87	610
EX8S88	25YR-72HR	7.41	3.58	0.0002	7.10	7.15	881
EX8S98	25YR-72HR	6.86	3.62	0.0003	5.08	5.16	450
EX8S99	25YR-72HR	7.64	4.71	0.0008	14.18	13.72	1980
EX9S101	25YR-72HR	11.78	7.15	0.0002	4.79	4.78	322
EX9S104	25YR-72HR	10.32	7.03	0.0010	29.69	29.56	871
EX9S107	25YR-72HR	8.70	8.33	0.0011	32.26	32.46	377
EX9S110	25YR-72HR	9.18	7.69	0.0014	25.92	26.04	820
EX9S113	25YR-72HR	6.44	8.33	0.0010	20.65	20.33	505
EX9S116	25YR-72HR	7.24	8.12	0.0010	39.95	39.81	566
EX9S117	25YR-72HR	7.16	6.00	0.0015	24.14	24.86	333
EX9S119	25YR-72HR	6.79	5.64	0.0026	21.51	19.19	1096
EX9S12	25YR-72HR	9.26	6.33	0.0006	13.75	13.60	764
EX9S125	25YR-72HR	7.44	8.39	0.0024	40.93	40.93	1086
EX9S15	25YR-72HR	6.51	6.19	0.0006	6.27	6.12	437
EX9S49	25YR-72HR	6.06	4.68	0.0010	10.04	9.37	440
EX9S55	25YR-72HR	8.20	4.61	0.0004	5.90	6.00	446
EX9S57	25YR-72HR	5.14	4.62	0.0004	8.65	8.71	289
EX9S58	25YR-72HR	6.07	4.71	0.0028	11.64	11.60	269
EX9S63	25YR-72HR	6.58	4.80	0.0025	6.04	3.28	100
EX9S69	25YR-72HR	6.85	5.09	0.0038	10.68	6.65	156
EX9S79	25YR-72HR	6.34	5.25	0.0010	20.13	20.12	439
EX9S82	25YR-72HR	6.44	5.46	0.0006	31.60	31.56	952
EX9S85	25YR-72HR	5.82	5.53	0.0056	11.90	5.02	103
EX9S87A	25YR-72HR	7.14	4.69	0.0010	10.96	11.00	341
EX9S90	25YR-72HR	6.44	4.43	0.0004	8.12	8.06	660
EX9S90A	25YR-72HR	8.31	4.44	0.0004	5.39	5.34	177
EX9S91A	25YR-72HR	9.76	4.49	0.0005	15.67	15.63	671
EX9S94	25YR-72HR	12.98	4.49	0.0005	5.89	5.85	442
EX9S96	25YR-72HR	5.44	4.45	0.0004	9.47	9.35	911
EXCS7AS12+1	25YR-72HR	6.61	3.99	0.0021	7.51	7.51	100
EXCS7AS12+2	25YR-72HR	6.61	3.64	0.0028	7.51	7.51	100
EXCS7AS1B+1	25YR-72HR	6.61	3.99	0.0004	15.48	15.48	100
EXCS7AS1B+2	25YR-72HR	6.61	3.83	0.0020	15.48	15.48	100
EXCS7S69+1	25YR-72HR	7.44	4.67	0.0055	45.81	45.82	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EXCS7S69+2	25YR-72HR	7.44	3.78	0.0049	38.32	38.31	229
EXCS7S76+1	25YR-72HR	6.60	3.72	0.0009	9.45	9.45	453
EXCS7S76+2	25YR-72HR	6.66	3.67	0.0003	6.70	6.70	100
EXCS8S66	25YR-72HR	5.88	3.49	0.0011	21.28	21.29	199
EXCS9S118+1	25YR-72HR	6.74	5.83	0.0072	19.50	24.87	100
EXCS9S118+2	25YR-72HR	6.74	5.65	0.0069	24.87	25.11	524
EXCS9S118+3	25YR-72HR	6.74	5.64	0.0054	11.34	6.76	100
EXCS9S129+1	25YR-72HR	7.61	4.68	0.0028	3.09	3.53	100
EXCS9S129+2	25YR-72HR	7.61	4.70	0.0006	3.10	3.02	100
EXCS9S139C+1	25YR-72HR	7.61	4.70	0.0030	6.74	6.81	115
EXCS9S139C+2	25YR-72HR	7.61	4.75	0.0006	6.67	6.74	253
EXCS9S80	25YR-72HR	5.44	5.59	0.0006	14.95	15.17	196
EXCS9S80A	25YR-72HR	5.44	5.53	0.0006	13.43	13.19	196
PATRICIA LAKE	25YR-72HR	7.44	3.60	0.0001	23.02	7.77	0
POND 7AB	25YR-72HR	6.59	5.35	0.0001	14.66	10.97	37063
POND 7W1	25YR-72HR	5.94	5.34	0.0001	11.84	10.14	22477
POND 8E1	25YR-72HR	5.89	3.68	0.0002	48.88	26.81	77649
POND 8E2	25YR-72HR	9.53	7.26	0.0001	21.43	21.16	7649
POND 9E2	25YR-72HR	6.07	4.81	0.0004	13.82	16.22	2342
POND 9E3	25YR-72HR	6.87	5.13	0.0005	19.61	20.17	3217
POND 9E4	25YR-72HR	6.94	6.29	0.0006	22.47	17.45	3864
POND 9E5	25YR-72HR	6.24	5.62	0.0006	55.69	35.24	27017
POND 9E6	25YR-72HR	5.44	5.55	0.0006	23.86	21.24	4792
POND 9W1	25YR-72HR	6.44	5.67	0.0000	4.58	4.47	5933
POND 9W2	25YR-72HR	8.70	8.56	0.0008	37.97	32.26	8138
POND 9W3	25YR-72HR	6.44	8.40	0.0008	55.48	43.35	8315
POND 9W4	25YR-72HR	7.24	8.41	0.0008	49.31	46.96	1307
POND 9W5	25YR-72HR	7.44	8.85	0.0009	67.62	40.93	14052
SWALE 7W1	25YR-72HR	6.49	5.50	0.0002	1.24	0.04	3227
SWALE 8E1	25YR-72HR	4.97	4.35	0.0002	13.57	11.15	10409
SWALE 8W1	25YR-72HR	5.48	5.15	0.0001	13.08	12.92	5863
TROPICAL PARK LAKE	25YR-72HR	7.44	3.60	0.0001	55.58	19.14	0

Link Min/Max Conditions [Pre-Development]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX 7S86_7GW9	100YR-1HR	2.88	0.00	0.00	0.00	0.00	0.00
EX 9S15_PND9E 5	100YR-1HR	8.37	-2.53	0.01	4.74	5.51	4.85
EX01_EX03	100YR-1HR	4.04	-1.57	0.01	-1.54	3.13	1.89
EX03_S97	100YR-1HR	15.00	0.00	0.05	1.02	1.75	1.22
EX04_TPL	100YR-1HR	1.81	0.00	0.03	3.25	1.47	2.36
EX7AS01_7G W1	100YR-1HR	21.38	0.00	0.01	0.00	0.00	0.00
EX7AS01_S1B	100YR-1HR	5.83	-0.09	0.03	1.19	1.19	1.19
EX7AS01_WE IR	100YR-1HR	6.13	0.00	0.00	1.47	1.47	1.47
EX7AS02_S01	100YR-1HR	25.70	0.00	0.16	8.18	8.71	8.45
EX7AS03_S02	100YR-1HR	8.19	0.00	-1.40	5.09	2.61	3.85
EX7AS08_S11	100YR-1HR	8.55	0.00	-0.07	5.16	7.79	6.47
EX7AS11_7G W1	100YR-1HR	21.20	0.00	-0.01	0.00	0.00	0.00
EX7AS11_S01	100YR-1HR	0.00	-2.91	-0.01	-1.16	-2.43	-1.60
EX7AS11_S12	100YR-1HR	2.47	-0.20	-0.20	0.50	0.50	0.50
EX7AS1A_S11	100YR-1HR	13.99	0.00	5.27	5.70	4.45	4.67
EX7S03_S1A	100YR-1HR	6.15	-0.06	0.01	2.54	2.16	2.34
EX7S03_S8A	100YR-1HR	0.88	-3.93	0.06	2.58	-1.68	1.41
EX7S11_7GW 3	100YR-1HR	8.04	0.00	0.00	0.00	0.00	0.00
EX7S11_GW2	100YR-1HR	2.81	0.00	0.00	0.00	0.00	0.00
EX7S11_S68	100YR-1HR	0.00	-5.35	0.00	-1.70	-1.97	-1.70
EX7S13_7GW 4	100YR-1HR	2.04	0.00	0.00	0.00	0.00	0.00
EX7S13_S11	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7S15_S69	100YR-1HR	32.79	-0.22	9.09	2.06	2.06	2.06
EX7S16_S15	100YR-1HR	18.96	-4.75	10.05	1.19	1.19	1.19
EX7S18_S16	100YR-1HR	13.92	-9.14	7.93	0.88	0.88	0.88
EX7S22_S15	100YR-1HR	16.54	-2.02	-2.02	2.34	2.34	2.34
EX7S27_7GW 5	100YR-1HR	9.30	0.00	0.00	0.00	0.00	0.00
EX7S27_S22	100YR-1HR	6.37	-4.12	-0.19	1.33	-2.30	1.30
EX7S32_7GW 5	100YR-1HR	9.51	0.00	0.00	0.00	0.00	0.00
EX7S32_7GW 6	100YR-1HR	15.20	0.00	0.00	0.00	0.00	0.00
EX7S32_S27	100YR-1HR	3.90	-3.30	0.04	-1.42	-2.06	-1.51
EX7S41_7GW 6	100YR-1HR	13.80	0.00	0.00	0.00	0.00	0.00
EX7S41_S32	100YR-1HR	0.08	-6.20	0.00	-1.97	-1.97	-1.97
EX7S41_S66	100YR-1HR	0.14	0.00	0.00	1.48	1.61	1.54

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX7S45_7GW8	100YR-1HR	4.20	0.00	0.00	0.00	0.00	0.00
EX7S45_S86	100YR-1HR	2.14	0.00	-0.01	3.18	2.60	2.87
EX7S66_7GW8	100YR-1HR	2.74	0.00	0.00	0.00	0.00	0.00
EX7S66_S45	100YR-1HR	0.00	-1.42	0.00	-1.23	-2.46	-1.75
EX7S68_7GW3	100YR-1HR	8.45	0.00	0.00	0.00	0.00	0.00
EX7S68_S69	100YR-1HR	0.00	-10.98	0.25	-2.24	-3.72	-2.52
EX7S71_S69	100YR-1HR	1.66	-2.35	1.41	1.07	-1.96	-1.36
EX7S74_S71	100YR-1HR	0.04	-6.44	0.00	-2.05	-4.70	-3.38
EX7S74_S76	100YR-1HR	6.44	0.00	0.82	4.70	2.95	3.75
EX7S74_WEIR	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7S77_7GW7	100YR-1HR	12.36	0.00	0.00	0.00	0.00	0.00
EX7S77_S76	100YR-1HR	0.14	-6.36	-0.01	-2.31	-4.36	-3.24
EX7S77_WEIR	100YR-1HR	6.40	0.00	0.00	1.52	1.52	1.52
EX7S78_S77	100YR-1HR	4.15	0.00	0.00	2.82	4.12	3.47
EX7S86_7GW7	100YR-1HR	7.81	0.00	0.00	0.00	0.00	0.00
EX7S86_S77	100YR-1HR	0.13	-3.11	0.00	-1.52	-3.55	-2.47
EX7S8A_7GW2	100YR-1HR	2.89	0.00	0.00	0.00	0.00	0.00
EX7S8A_S11	100YR-1HR	5.81	0.00	-0.01	2.26	3.74	2.94
EX7S90_7GW10	100YR-1HR	1.68	0.00	0.00	0.00	0.00	0.00
EX7S90_7GW9	100YR-1HR	3.19	0.00	0.00	0.00	0.00	0.00
EX7S90_S72A	100YR-1HR	0.00	-4.89	0.00	-2.43	-3.95	-3.12
EX7S90_S86	100YR-1HR	1.44	-0.19	0.00	1.10	1.27	1.18
EX7S91_S18	100YR-1HR	0.00	-4.18	-0.43	-1.33	-1.33	-1.33
EX7S92_7GW11	100YR-1HR	8.13	0.00	0.00	0.00	0.00	0.00
EX7S92_S91	100YR-1HR	0.00	-4.04	-0.01	-2.29	-2.98	-2.29
EX7S92_S94	100YR-1HR	0.00	-3.19	0.00	-1.02	-1.31	-1.02
EX7S93_S18	100YR-1HR	10.86	-6.03	-6.24	1.13	0.86	0.91
EX7S94_7GW11	100YR-1HR	8.28	0.00	0.00	0.00	0.00	0.00
EX7S94_S93	100YR-1HR	0.00	-7.53	-0.04	-2.40	-2.61	-2.40
EX7S97_S93	100YR-1HR	17.35	-0.16	0.17	2.13	1.52	1.81
EX8S01_8GW1	100YR-1HR	28.57	0.00	0.00	0.00	0.00	0.00
EX8S01_S15A	100YR-1HR	9.16	-0.01	0.00	2.92	3.11	2.98
EX8S06_8GW3	100YR-1HR	2.12	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX8S06_S12	100YR-1HR	0.00	-0.91	-0.01	-0.76	-2.65	-1.70
EX8S101_S70	100YR-1HR	5.74	0.00	0.05	4.54	1.83	3.18
EX8S12_S13	100YR-1HR	0.23	-6.48	-0.01	-2.34	-3.17	-2.75
EX8S12_S74	100YR-1HR	11.91	0.00	0.54	5.77	4.58	5.00
EX8S139D_8GW14	100YR-1HR	1.39	0.00	0.00	0.00	0.00	0.00
EX8S139D_8GW15	100YR-1HR	1.93	0.00	0.00	0.00	0.00	0.00
EX8S139D_S99	100YR-1HR	3.63	-0.76	-0.01	0.53	0.54	0.53
EX8S13_S16	100YR-1HR	2.62	-1.77	-0.02	2.20	1.98	2.09
EX8S15A_8GW1	100YR-1HR	18.57	0.00	0.00	0.00	0.00	0.00
EX8S15A_S17	100YR-1HR	1.18	-5.35	-0.03	-2.50	-4.00	-3.17
EX8S16_S17	100YR-1HR	8.66	0.00	-0.01	3.55	3.89	3.66
EX8S16_S25	100YR-1HR	2.22	-0.96	0.02	1.92	1.36	1.64
EX8S17_8GW2	100YR-1HR	2.23	0.00	0.00	0.00	0.00	0.00
EX8S17_S21	100YR-1HR	9.52	-1.89	-0.01	3.32	5.19	4.20
EX8S21_8GW2	100YR-1HR	2.20	0.00	0.00	0.00	0.00	0.00
EX8S21_S45	100YR-1HR	8.57	-2.87	0.45	2.59	2.14	2.36
EX8S25_S26	100YR-1HR	1.63	-5.48	-0.01	1.40	-1.34	1.33
EX8S26_S49	100YR-1HR	2.87	-2.83	0.08	1.92	1.59	1.75
EX8S31A_8GW9	100YR-1HR	6.26	0.00	0.00	0.00	0.00	0.00
EX8S31A_PND8E1	100YR-1HR	6.39	-1.51	-0.03	1.92	3.83	2.88
EX8S31A_WEIR	100YR-1HR	20.35	0.00	0.00	2.08	2.08	2.08
EX8S40E1_S99	100YR-1HR	11.71	0.00	0.00	1.37	3.45	2.22
EX8S40W1_8GW11	100YR-1HR	5.35	0.00	0.00	0.00	0.00	0.00
EX8S40W1_W2	100YR-1HR	1.45	-0.86	0.05	0.46	0.46	0.46
EX8S40W2_8GW11	100YR-1HR	5.35	0.00	0.00	0.00	0.00	0.00
EX8S40W2_W3	100YR-1HR	1.16	-2.53	-0.02	-1.87	-3.79	-2.82
EX8S40W3_W4	100YR-1HR	10.43	0.00	0.00	5.90	6.54	6.16
EX8S40W4_8GW13	100YR-1HR	0.99	0.00	0.00	0.00	0.00	0.00
EX8S40W4_W6	100YR-1HR	9.28	-0.06	-0.01	1.10	1.15	1.13
EX8S40W5_8	100YR-1HR	3.76	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
GW12							
EX8S40W5_W7	100YR-1HR	0.00	-2.89	0.01	-0.92	-1.61	-1.12
EX8S40W6_8GW13	100YR-1HR	0.94	0.00	0.00	0.00	0.00	0.00
EX8S40W6_8GW14	100YR-1HR	1.55	0.00	0.00	0.00	0.00	0.00
EX8S40W6_S139D	100YR-1HR	10.27	0.00	0.00	1.30	2.01	1.40
EX8S40W7_8GW12	100YR-1HR	3.80	0.00	0.00	0.00	0.00	0.00
EX8S40W7_W6	100YR-1HR	0.00	-2.80	0.00	-2.72	-3.69	-3.12
EX8S40W8_W7	100YR-1HR	0.84	0.00	0.01	0.78	0.66	0.67
EX8S40W9_S139D	100YR-1HR	3.12	0.00	0.00	2.04	4.07	3.06
EX8S45_S47	100YR-1HR	6.55	-2.35	0.14	1.24	1.05	1.14
EX8S47_S56	100YR-1HR	2.57	-1.34	-0.02	1.13	0.57	0.84
EX8S49_8GW9	100YR-1HR	6.10	0.00	0.00	0.00	0.00	0.00
EX8S49_S31A	100YR-1HR	0.17	-7.73	-0.01	-1.68	-1.83	-1.75
EX8S54_8GW4	100YR-1HR	5.67	0.00	0.00	0.00	0.00	0.00
EX8S54_S57	100YR-1HR	0.39	-3.93	-0.02	-1.25	-1.25	-1.25
EX8S56_PND8E1	100YR-1HR	2.32	-0.77	-0.03	1.98	3.48	2.69
EX8S57_8GW4	100YR-1HR	5.68	0.00	0.00	0.00	0.00	0.00
EX8S57_S56	100YR-1HR	0.49	0.00	-0.06	2.79	0.41	1.60
EX8S57_WEIR	100YR-1HR	9.68	0.00	0.00	1.69	1.69	1.69
EX8S5A_8GW3	100YR-1HR	2.12	0.00	0.00	0.00	0.00	0.00
EX8S5A_S06	100YR-1HR	0.80	-0.13	0.04	0.80	1.73	1.21
EX8S66_S67	100YR-1HR	6.84	-0.16	-6.42	0.54	0.54	0.54
EX8S67_S70	100YR-1HR	6.67	-0.14	-5.88	0.53	0.53	0.53
EX8S70_CANAL1	100YR-1HR	12.37	-0.02	-0.96	0.78	0.78	0.78
EX8S72A_7GW10	100YR-1HR	1.82	0.00	0.00	0.00	0.00	0.00
EX8S72A_8GW10	100YR-1HR	1.82	0.00	0.00	0.00	0.00	0.00
EX8S74_8GW10	100YR-1HR	2.48	0.00	0.00	0.00	0.00	0.00
EX8S74_8GW5	100YR-1HR	10.20	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX8S74_S72A	100YR-1HR	8.54	0.00	0.00	3.06	4.28	3.66
EX8S74_S81	100YR-1HR	0.00	-2.39	0.00	-1.19	-1.69	-1.43
EX8S81_8GW5	100YR-1HR	10.37	0.00	0.00	0.00	0.00	0.00
EX8S81_8GW6	100YR-1HR	4.70	0.00	0.00	0.00	0.00	0.00
EX8S81_S25	100YR-1HR	0.00	-9.73	0.00	-3.10	-4.77	-3.55
EX8S81_S83	100YR-1HR	6.49	0.00	0.00	2.30	3.38	2.51
EX8S83_8GW6	100YR-1HR	4.06	0.00	0.00	0.00	0.00	0.00
EX8S83_S85	100YR-1HR	5.07	0.00	0.00	2.07	4.00	2.92
EX8S85B_8GW8	100YR-1HR	4.49	0.00	0.00	0.00	0.00	0.00
EX8S85B_S88	100YR-1HR	0.00	-1.60	0.00	-1.15	-2.64	-1.83
EX8S85_8GW7	100YR-1HR	4.79	0.00	0.00	0.00	0.00	0.00
EX8S85_S85B	100YR-1HR	3.09	0.00	0.00	2.36	3.33	2.76
EX8S85_S87	100YR-1HR	0.00	-1.26	-0.01	-0.96	-2.13	-1.44
EX8S87_8GW7	100YR-1HR	4.89	0.00	0.01	0.00	0.00	0.00
EX8S87_S88	100YR-1HR	4.60	-0.81	0.21	1.90	1.70	1.79
EX8S87_WEIR	100YR-1HR	10.33	0.00	0.00	1.75	1.75	1.75
EX8S88_8GW8	100YR-1HR	4.76	0.00	-0.01	0.00	0.00	0.00
EX8S88_S98	100YR-1HR	0.00	-3.03	-0.01	-3.70	-3.43	-3.18
EX8S98_PND8E1	100YR-1HR	0.00	-2.54	0.00	-2.51	-3.33	-2.88
EX8S99_8GW15	100YR-1HR	1.90	0.00	0.00	0.00	0.00	0.00
EX8S99_8GW16	100YR-1HR	2.17	0.00	0.00	0.00	0.00	0.00
EX8S99_S101	100YR-1HR	5.74	0.00	-0.01	3.32	5.02	4.17
EX9S101_S96	100YR-1HR	5.56	0.00	-0.03	4.49	6.99	5.72
EX9S104_9GW6	100YR-1HR	16.29	0.00	0.01	0.00	0.00	0.00
EX9S104_S12	100YR-1HR	16.01	-5.02	0.01	5.10	5.10	5.10
EX9S107_9GW7	100YR-1HR	10.77	0.00	0.00	0.00	0.00	0.00
EX9S107_S113	100YR-1HR	3.98	-5.30	0.09	-1.69	-1.69	-1.69
EX9S107_WEIR	100YR-1HR	34.56	0.00	-0.02	2.75	2.75	2.75
EX9S110_9GW6	100YR-1HR	16.45	0.00	0.01	0.00	0.00	0.00
EX9S110_S104	100YR-1HR	10.17	-4.09	0.02	3.24	3.24	3.24

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX9S110_S107	100YR-1HR	2.46	-20.85	0.06	-6.64	-6.64	-6.64
EX9S113_9GW8	100YR-1HR	8.90	0.00	0.00	0.00	0.00	0.00
EX9S113_S116	100YR-1HR	9.61	-1.04	0.02	3.06	3.06	3.06
EX9S113_WEIR	100YR-1HR	22.67	0.00	0.02	2.31	2.31	2.31
EX9S116_9GW8	100YR-1HR	8.85	0.00	0.00	0.00	0.00	0.00
EX9S116_9GW9	100YR-1HR	6.41	0.00	0.00	0.00	0.00	0.00
EX9S116_S117	100YR-1HR	26.84	0.00	0.01	8.54	8.54	8.54
EX9S116_WEIR	100YR-1HR	35.04	0.00	-0.02	2.79	2.79	2.79
EX9S117_9GW9	100YR-1HR	6.06	0.00	0.00	0.00	0.00	0.00
EX9S117_S118	100YR-1HR	20.73	-2.20	-1.95	4.22	4.22	4.22
EX9S119_9GW10	100YR-1HR	23.35	0.00	0.01	0.00	0.00	0.00
EX9S119_S118	100YR-1HR	2.76	-7.57	0.92	1.70	-1.54	-1.54
EX9S125_9GW10	100YR-1HR	24.96	0.00	-0.01	0.00	0.00	0.00
EX9S125_S119	100YR-1HR	15.91	0.00	-0.01	5.06	5.89	5.07
EX9S125_WEIR	100YR-1HR	40.86	0.00	-0.02	3.25	3.25	3.25
EX9S12_POND9E4	100YR-1HR	7.99	-5.69	-0.68	-4.29	-2.06	-3.08
EX9S12_S15	100YR-1HR	8.50	-2.66	0.01	2.71	3.00	2.71
EX9S40E1_8GW16	100YR-1HR	2.61	0.00	0.00	0.00	0.00	0.00
EX9S49_9GW15	100YR-1HR	5.67	0.00	0.00	0.00	0.00	0.00
EX9S49_S129	100YR-1HR	0.10	-4.95	0.57	-1.01	-1.01	-1.01
EX9S55_9GW15	100YR-1HR	5.53	0.00	0.00	0.00	0.00	0.00
EX9S55_S49	100YR-1HR	0.36	-5.83	0.01	-1.98	-3.29	-2.39
EX9S57_9GW1	100YR-1HR	3.92	0.00	0.00	0.00	0.00	0.00
EX9S57_S55	100YR-1HR	4.16	-0.57	-0.04	2.01	-2.37	-1.58
EX9S58_9GW1	100YR-1HR	4.16	0.00	0.00	0.00	0.00	0.00
EX9S58_S57	100YR-1HR	7.34	0.00	-0.05	2.34	2.34	2.34

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX9S63_9GW 2	100YR-1HR	3.93	0.00	0.00	0.00	0.00	0.00
EX9S69_9GW 3	100YR-1HR	8.38	0.00	0.01	0.00	0.00	0.00
EX9S79_9GW 4	100YR-1HR	22.06	0.00	-0.01	0.00	0.00	0.00
EX9S82_CAN AL2	100YR-1HR	35.64	0.00	-0.02	7.26	7.26	7.26
EX9S85_9GW 5	100YR-1HR	6.27	0.00	0.02	0.00	0.00	0.00
EX9S87A_9G W11	100YR-1HR	3.77	0.00	0.00	0.00	0.00	0.00
EX9S87A_S13 9C	100YR-1HR	0.21	-7.24	-0.03	-1.32	1.62	-1.33
EX9S87A_S91 A	100YR-1HR	8.58	-0.19	0.01	2.73	2.74	2.73
EX9S90A_9G W13	100YR-1HR	3.04	0.00	0.00	0.00	0.00	0.00
EX9S90A_S90	100YR-1HR	5.03	-0.04	-0.01	1.81	3.25	2.47
EX9S90_9GW 14	100YR-1HR	8.24	0.00	0.00	0.00	0.00	0.00
EX9S90_WEI R	100YR-1HR	3.04	0.00	0.00	1.19	1.19	1.19
EX9S91A_9G W12	100YR-1HR	6.23	0.00	0.00	0.00	0.00	0.00
EX9S91A_9W 11	100YR-1HR	3.40	0.00	0.00	0.00	0.00	0.00
EX9S91A_S90 A	100YR-1HR	7.93	0.00	0.00	2.52	2.89	2.55
EX9S94_9GW 12	100YR-1HR	6.22	0.00	0.00	0.00	0.00	0.00
EX9S94_S91A	100YR-1HR	0.54	-1.28	0.04	-0.42	-0.42	-0.42
EX9S96_9GW 14	100YR-1HR	8.28	0.00	0.00	0.00	0.00	0.00
EX9S96_S90	100YR-1HR	1.90	0.00	-0.01	1.15	2.63	1.82
EXCS7AS12_T PL	100YR-1HR	2.37	0.00	0.04	2.42	1.49	1.95
EXCS7AS12_ WEIR	100YR-1HR	2.37	0.00	0.00	1.95	1.95	1.95
EXCS7AS1B_P L	100YR-1HR	5.80	0.00	-0.10	4.31	8.92	6.62
EXCS7AS1B_ WEIR	100YR-1HR	5.80	0.00	0.00	1.96	1.96	1.96
EXCS7S69_TP L	100YR-1HR	19.34	0.00	0.50	1.31	1.22	1.26
EXCS7S69_W EIR	100YR-1HR	19.34	0.00	-0.05	2.93	2.93	2.93

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EXCS7S76_TPL	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EXCS7S76_WEIR	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EXCS8S66_WEIR	100YR-1HR	3.78	0.00	0.00	1.16	1.16	1.16
EXCS9S118_S82	100YR-1HR	15.12	-0.97	0.01	2.41	2.41	2.41
EXCS9S118_WEIR1	100YR-1HR	20.65	-2.02	-0.01	3.35	3.35	3.35
EXCS9S118_WEIR2	100YR-1HR	2.38	-7.59	0.01	-1.82	-1.82	-1.82
EXCS9S129_8S99	100YR-1HR	0.06	-5.45	-0.07	-2.69	-1.73	-1.74
EXCS9S129_WEIR	100YR-1HR	0.00	-5.38	-0.02	-2.19	-2.19	-2.19
EXCS9S139C_S139D	100YR-1HR	0.15	-7.06	-0.02	-1.18	-1.69	-1.18
EXCS9S139C_WEIR	100YR-1HR	0.00	-7.16	0.00	-2.35	-2.35	-2.35
EXCS9S80A_S82	100YR-1HR	16.54	0.00	0.03	5.27	5.27	5.27
EXCS9S80A_WEIR	100YR-1HR	16.85	0.00	-0.02	1.85	1.85	1.85
EXCS9S80_S82	100YR-1HR	21.70	-2.99	-0.02	6.91	6.91	6.91
EXCS9S80_WEIR	100YR-1HR	21.40	-2.70	0.01	1.94	1.94	1.94
PND9E2_S58	100YR-1HR	11.17	0.00	2.77	5.44	5.49	4.91
PND9E2_S63	100YR-1HR	3.94	0.00	0.20	3.88	5.79	4.84
PND9E3_PND9E2	100YR-1HR	13.51	0.00	-0.01	4.30	4.30	4.30
PND9E3_S69	100YR-1HR	15.23	0.00	-13.89	6.24	8.87	7.52
PND9E4_PND9E3	100YR-1HR	21.64	0.00	0.03	6.89	7.52	7.07
PND9E5_S79	100YR-1HR	25.36	0.00	-7.02	8.76	12.06	10.40
PND9E6_S85	100YR-1HR	13.19	0.00	-8.94	6.06	17.08	10.31
PND9W3_PND9E5	100YR-1HR	27.37	0.00	4.00	8.71	9.09	8.87
PND9W4_WEIR	100YR-1HR	10.40	-12.78	-0.34	-1.87	-1.87	-1.87
EX 7S86_7GW9	100YR-24HR	0.74	0.00	0.00	0.00	0.00	0.00
EX 9S15_PND9E5	100YR-24HR	2.04	-0.23	0.00	1.16	2.49	1.79
EX01_EX03	100YR-24HR	1.19	0.00	-0.01	0.48	2.76	1.62

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX03_S97	100YR-24HR	3.75	0.00	0.65	0.42	0.41	0.41
EX04_TPL	100YR-24HR	0.79	0.00	-0.01	2.60	0.25	1.43
EX7AS01_7GW1	100YR-24HR	6.60	0.00	0.00	0.00	0.00	0.00
EX7AS01_S1B	100YR-24HR	0.40	-0.01	0.11	0.09	0.09	0.09
EX7AS01_WEIR	100YR-24HR	2.86	0.00	0.00	1.14	1.14	1.14
EX7AS02_S01	100YR-24HR	5.40	0.00	-0.03	4.45	6.01	5.23
EX7AS03_S02	100YR-24HR	2.35	0.00	0.03	3.50	0.92	2.21
EX7AS08_S11	100YR-24HR	1.82	0.00	-0.03	3.26	5.00	4.13
EX7AS11_7GW1	100YR-24HR	5.78	0.00	0.00	0.00	0.00	0.00
EX7AS11_S01	100YR-24HR	0.00	-1.60	0.03	-0.73	-0.82	-0.77
EX7AS11_S12	100YR-24HR	0.17	-0.04	0.07	0.04	0.04	0.04
EX7AS1A_S11	100YR-24HR	4.68	0.00	-3.90	2.96	1.49	2.13
EX7S03_S1A	100YR-24HR	1.05	0.00	0.02	1.61	0.89	1.25
EX7S03_S8A	100YR-24HR	0.13	-0.67	0.02	1.65	-1.02	0.84
EX7S11_7GW3	100YR-24HR	2.33	0.00	0.00	0.00	0.00	0.00
EX7S11_GW2	100YR-24HR	0.81	0.00	0.00	0.00	0.00	0.00
EX7S11_S68	100YR-24HR	0.00	-1.96	-0.09	-0.80	-0.81	-0.80
EX7S13_7GW4	100YR-24HR	0.35	0.00	0.00	0.00	0.00	0.00
EX7S13_S11	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7S15_S69	100YR-24HR	8.22	-0.57	-8.22	0.52	0.52	0.52
EX7S16_S15	100YR-24HR	8.83	-0.86	8.83	0.56	0.56	0.56
EX7S18_S16	100YR-24HR	6.00	-1.33	-6.00	0.38	0.38	0.38
EX7S22_S15	100YR-24HR	1.84	-2.08	2.08	-0.29	-0.30	-0.30
EX7S27_7GW5	100YR-24HR	2.44	0.00	0.00	0.00	0.00	0.00
EX7S27_S22	100YR-24HR	0.00	-2.00	0.39	-0.41	-1.16	-0.61
EX7S32_7GW5	100YR-24HR	2.40	0.00	0.00	0.00	0.00	0.00
EX7S32_7GW6	100YR-24HR	3.83	0.00	0.00	0.00	0.00	0.00
EX7S32_S27	100YR-24HR	0.00	-1.48	-0.05	-0.62	-1.40	-0.91
EX7S41_7GW6	100YR-24HR	3.55	0.00	0.00	0.00	0.00	0.00
EX7S41_S32	100YR-24HR	0.01	-2.22	-0.05	-0.93	-0.97	-0.95
EX7S41_S66	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7S45_7GW8	100YR-24HR	1.05	0.00	0.00	0.00	0.00	0.00
EX7S45_S86	100YR-24HR	0.12	-0.71	0.08	0.76	-0.47	0.48
EX7S66_7GW8	100YR-24HR	0.94	0.00	0.00	0.00	0.00	0.00
EX7S66_S45	100YR-24HR	0.00	-0.74	-0.05	-0.48	-0.49	-0.48
EX7S68_7GW	100YR-24HR	2.42	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
3							
EX7S68_S69	100YR-24HR	0.00	-3.75	1.73	-0.90	-2.21	-1.28
EX7S71_S69	100YR-24HR	1.75	-1.27	1.55	0.83	0.73	0.77
EX7S74_S71	100YR-24HR	0.02	-1.01	-0.03	-0.44	-2.66	-1.55
EX7S74_S76	100YR-24HR	1.01	0.00	0.11	2.76	0.50	1.63
EX7S74_WEIR	100YR-24HR	0.06	0.00	0.00	0.00	0.00	0.00
EX7S77_7GW7	100YR-24HR	2.88	0.00	0.00	0.00	0.00	0.00
EX7S77_S76	100YR-24HR	0.02	-1.00	-0.09	-0.47	-0.58	-0.53
EX7S77_WEIR	100YR-24HR	2.39	0.00	0.00	1.09	1.09	1.09
EX7S78_S77	100YR-24HR	0.86	0.00	0.00	1.74	2.70	2.22
EX7S86_7GW7	100YR-24HR	2.02	0.00	0.00	0.00	0.00	0.00
EX7S86_S77	100YR-24HR	0.00	-1.32	0.03	-0.77	-0.84	-0.81
EX7S8A_7GW2	100YR-24HR	0.82	0.00	0.00	0.00	0.00	0.00
EX7S8A_S11	100YR-24HR	1.39	0.00	0.11	1.04	1.77	1.26
EX7S90_7GW10	100YR-24HR	0.42	0.00	0.00	0.00	0.00	0.00
EX7S90_7GW9	100YR-24HR	0.80	0.00	0.00	0.00	0.00	0.00
EX7S90_S72A	100YR-24HR	0.00	-1.68	-0.08	-1.02	-1.06	-1.04
EX7S90_S86	100YR-24HR	0.89	-0.03	-0.05	0.51	0.52	0.52
EX7S91_S18	100YR-24HR	0.02	-1.98	-1.28	-0.63	-0.63	-0.63
EX7S92_7GW11	100YR-24HR	2.35	0.00	0.00	0.00	0.00	0.00
EX7S92_S91	100YR-24HR	0.00	-1.47	-0.28	-0.83	-2.11	-1.22
EX7S92_S94	100YR-24HR	0.00	-0.78	-0.08	-0.31	-0.36	-0.33
EX7S93_S18	100YR-24HR	5.55	-0.11	-5.37	0.75	0.44	0.60
EX7S94_7GW11	100YR-24HR	2.37	0.00	0.00	0.00	0.00	0.00
EX7S94_S93	100YR-24HR	0.00	-2.46	0.24	-0.93	-1.87	-1.31
EX7S97_S93	100YR-24HR	4.56	-0.01	0.24	1.06	0.61	0.84
EX8S01_8GW1	100YR-24HR	5.57	0.00	0.00	0.00	0.00	0.00
EX8S01_S15A	100YR-24HR	1.61	-0.17	0.02	0.74	0.81	0.78
EX8S06_8GW3	100YR-24HR	0.45	0.00	0.00	0.00	0.00	0.00
EX8S06_S12	100YR-24HR	0.00	-0.16	-0.01	-0.26	-1.69	-0.97
EX8S101_S70	100YR-24HR	1.70	-0.01	-0.04	1.28	0.54	0.91
EX8S12_S13	100YR-24HR	0.25	-1.02	-0.03	1.19	-1.68	-1.31
EX8S12_S74	100YR-24HR	2.02	0.00	-0.08	3.34	1.17	2.24
EX8S139D_8GW14	100YR-24HR	0.33	0.00	0.00	0.00	0.00	0.00
EX8S139D_8	100YR-24HR	0.46	-0.05	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
GW15							
EX8S139D_S99	100YR-24HR	0.92	-0.01	0.01	0.19	0.19	0.19
EX8S13_S16	100YR-24HR	0.78	-0.56	-0.05	1.76	1.63	1.62
EX8S15A_8GW1	100YR-24HR	4.75	0.00	0.00	0.00	0.00	0.00
EX8S15A_S17	100YR-24HR	0.00	-1.60	0.08	-0.92	-1.99	-1.38
EX8S16_S17	100YR-24HR	1.75	0.00	-0.06	2.21	1.73	1.88
EX8S16_S25	100YR-24HR	0.36	-0.39	-0.05	1.21	0.53	0.87
EX8S17_8GW2	100YR-24HR	0.58	0.00	0.00	0.00	0.00	0.00
EX8S17_S21	100YR-24HR	0.36	-0.47	-0.09	0.70	1.70	1.19
EX8S21_8GW2	100YR-24HR	0.58	0.00	0.00	0.00	0.00	0.00
EX8S21_S45	100YR-24HR	0.19	-0.81	0.17	-0.19	-0.22	-0.21
EX8S25_S26	100YR-24HR	0.43	-2.63	0.28	-0.86	-0.95	-0.91
EX8S26_S49	100YR-24HR	0.62	-1.96	-0.27	0.86	-0.64	0.70
EX8S31A_8GW9	100YR-24HR	1.92	0.00	0.00	0.00	0.00	0.00
EX8S31A_PND8E1	100YR-24HR	0.00	-1.08	-0.01	-0.60	-2.36	-1.48
EX8S31A_WEIR	100YR-24HR	4.51	0.00	0.00	1.26	1.26	1.26
EX8S40E1_S99	100YR-24HR	2.02	0.00	-0.01	0.40	0.72	0.45
EX8S40W1_8GW11	100YR-24HR	1.52	0.00	0.00	0.00	0.00	0.00
EX8S40W1_W2	100YR-24HR	0.00	-0.18	-0.04	-0.27	-0.29	-0.28
EX8S40W2_8GW11	100YR-24HR	1.53	0.00	0.00	0.00	0.00	0.00
EX8S40W2_W3	100YR-24HR	0.00	-0.81	0.00	-1.10	-2.76	-1.93
EX8S40W3_W4	100YR-24HR	0.82	0.00	0.00	1.11	2.76	1.94
EX8S40W4_8GW13	100YR-24HR	0.21	0.00	0.00	0.00	0.00	0.00
EX8S40W4_W6	100YR-24HR	0.65	0.00	0.07	0.15	0.16	0.16
EX8S40W5_8GW12	100YR-24HR	0.43	0.00	0.00	0.00	0.00	0.00
EX8S40W5_W7	100YR-24HR	0.00	-0.40	-0.12	-0.36	-0.53	-0.43
EX8S40W6_8GW13	100YR-24HR	0.21	0.00	0.00	0.00	0.00	0.00
EX8S40W6_8GW14	100YR-24HR	0.34	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX8S40W6_S139D	100YR-24HR	1.29	0.00	0.02	0.26	0.34	0.27
EX8S40W7_8GW12	100YR-24HR	0.44	0.00	0.00	0.00	0.00	0.00
EX8S40W7_W6	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX8S40W8_W7	100YR-24HR	0.17	0.00	0.03	0.61	0.42	0.49
EX8S40W9_S139D	100YR-24HR	0.75	0.00	0.00	0.97	2.69	1.83
EX8S45_S47	100YR-24HR	0.13	-0.72	-0.16	-0.10	-0.11	-0.10
EX8S47_S56	100YR-24HR	0.03	-0.62	-0.09	-0.12	-0.18	-0.15
EX8S49_8GW9	100YR-24HR	1.71	0.00	0.00	0.00	0.00	0.00
EX8S49_S31A	100YR-24HR	0.01	-3.65	-0.08	-1.18	-1.25	-1.22
EX8S54_8GW4	100YR-24HR	1.65	0.00	0.00	0.00	0.00	0.00
EX8S54_S57	100YR-24HR	0.04	-1.32	-0.22	-0.42	-0.42	-0.42
EX8S56_PND8E1	100YR-24HR	0.00	-0.57	0.00	-0.63	-2.39	-1.51
EX8S57_8GW4	100YR-24HR	1.66	0.00	0.00	0.00	0.00	0.00
EX8S57_S56	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX8S57_WEIR	100YR-24HR	2.83	0.00	0.00	1.14	1.14	1.14
EX8S5A_8GW3	100YR-24HR	0.45	0.00	0.00	0.00	0.00	0.00
EX8S5A_S06	100YR-24HR	0.10	-0.02	0.01	0.31	0.44	0.37
EX8S66_S67	100YR-24HR	4.68	-0.13	4.68	0.37	0.37	0.37
EX8S67_S70	100YR-24HR	4.62	-0.27	4.62	0.37	0.37	0.37
EX8S70_CANAL1	100YR-24HR	4.87	-0.05	-0.34	0.31	0.31	0.31
EX8S72A_7GW10	100YR-24HR	0.42	0.00	0.00	0.00	0.00	0.00
EX8S72A_8GW10	100YR-24HR	0.42	0.00	0.00	0.00	0.00	0.00
EX8S74_8GW10	100YR-24HR	0.54	0.00	0.00	0.00	0.00	0.00
EX8S74_8GW5	100YR-24HR	1.95	0.00	0.00	0.00	0.00	0.00
EX8S74_S72A	100YR-24HR	2.53	0.00	0.06	1.41	1.53	1.47
EX8S74_S81	100YR-24HR	0.00	-1.33	-0.03	-0.72	-0.76	-0.74
EX8S81_8GW5	100YR-24HR	2.22	0.00	0.00	0.00	0.00	0.00
EX8S81_8GW6	100YR-24HR	1.06	0.00	0.00	0.00	0.00	0.00
EX8S81_S25	100YR-24HR	0.00	-3.05	0.04	-1.34	-2.72	-1.83

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX8S81_S83	100YR-24HR	1.04	-0.31	-0.05	0.62	0.67	0.64
EX8S83_8GW6	100YR-24HR	1.02	0.00	0.00	0.00	0.00	0.00
EX8S83_S85	100YR-24HR	0.72	-0.35	-0.02	0.46	0.49	0.48
EX8S85B_8GW8	100YR-24HR	1.57	0.00	0.00	0.00	0.00	0.00
EX8S85B_S88	100YR-24HR	0.00	-0.93	0.08	-0.50	-0.51	-0.51
EX8S85_8GW7	100YR-24HR	1.58	0.00	0.00	0.00	0.00	0.00
EX8S85_S85B	100YR-24HR	0.68	-0.19	0.06	0.54	0.42	0.48
EX8S85_S87	100YR-24HR	0.00	-0.87	0.04	-0.47	-0.48	-0.48
EX8S87_8GW7	100YR-24HR	1.65	0.00	0.00	0.00	0.00	0.00
EX8S87_S88	100YR-24HR	0.27	-0.38	0.05	0.17	0.13	0.15
EX8S87_WEIR	100YR-24HR	2.73	0.00	0.00	1.13	1.13	1.13
EX8S88_8GW8	100YR-24HR	1.65	0.00	0.00	0.00	0.00	0.00
EX8S88_S98	100YR-24HR	0.00	-2.40	-0.02	-2.79	-1.07	-1.92
EX8S98_PND8E1	100YR-24HR	0.00	-2.22	0.01	-2.48	-2.59	-2.46
EX8S99_8GW15	100YR-24HR	0.46	0.00	0.00	0.00	0.00	0.00
EX8S99_8GW16	100YR-24HR	0.52	0.00	0.00	0.00	0.00	0.00
EX8S99_S101	100YR-24HR	1.70	0.00	0.00	2.34	3.15	2.71
EX9S101_S96	100YR-24HR	1.03	0.00	-0.03	2.80	3.96	3.28
EX9S104_9GW6	100YR-24HR	6.00	0.00	0.00	0.00	0.00	0.00
EX9S104_S12	100YR-24HR	1.30	-0.59	0.00	1.59	-2.41	-1.43
EX9S107_9GW7	100YR-24HR	4.35	0.00	0.00	0.00	0.00	0.00
EX9S107_S113	100YR-24HR	0.02	-2.81	0.08	-0.90	-1.05	-0.97
EX9S107_WEIR	100YR-24HR	8.09	0.00	0.00	1.64	1.64	1.64
EX9S110_9GW6	100YR-24HR	6.27	0.00	0.00	0.00	0.00	0.00
EX9S110_S104	100YR-24HR	2.57	-0.21	0.05	0.82	0.82	0.82
EX9S110_S107	100YR-24HR	0.02	-6.51	0.08	-2.67	-2.07	-2.14
EX9S113_9GW8	100YR-24HR	3.66	0.00	0.00	0.00	0.00	0.00
EX9S113_S116	100YR-24HR	2.66	-0.01	-0.09	0.85	0.85	0.85
EX9S113_WE	100YR-24HR	9.08	0.00	0.00	1.71	1.71	1.71

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
IR							
EX9S116_9GW8	100YR-24HR	3.57	0.00	0.00	0.00	0.00	0.00
EX9S116_9GW9	100YR-24HR	2.59	0.00	0.00	0.00	0.00	0.00
EX9S116_S117	100YR-24HR	5.91	0.00	-0.08	1.88	1.88	1.88
EX9S116_WEIR	100YR-24HR	9.41	0.00	0.00	1.73	1.73	1.73
EX9S117_9GW9	100YR-24HR	2.35	0.00	0.00	0.00	0.00	0.00
EX9S117_S118	100YR-24HR	3.63	-0.01	0.54	0.85	0.74	0.80
EX9S119_9GW10	100YR-24HR	5.57	0.00	0.00	0.00	0.00	0.00
EX9S119_S118	100YR-24HR	1.12	-0.01	-1.09	0.34	0.23	0.28
EX9S125_9GW10	100YR-24HR	8.79	0.00	0.00	0.00	0.00	0.00
EX9S125_S119	100YR-24HR	5.62	0.00	-0.01	1.79	2.41	1.99
EX9S125_WEIR	100YR-24HR	14.42	0.00	0.00	1.99	1.99	1.99
EX9S12_PND9E4	100YR-24HR	0.09	-1.29	0.04	-2.12	-0.32	-1.15
EX9S12_S15	100YR-24HR	2.04	-0.24	0.07	0.65	1.58	0.90
EX9S40E1_8GW16	100YR-24HR	0.55	0.00	0.00	0.00	0.00	0.00
EX9S49_9GW15	100YR-24HR	0.86	0.00	0.00	0.00	0.00	0.00
EX9S49_S129	100YR-24HR	0.04	-0.39	0.10	-0.11	-0.11	-0.11
EX9S55_9GW15	100YR-24HR	0.84	0.00	0.00	0.00	0.00	0.00
EX9S55_S49	100YR-24HR	0.05	-0.82	0.05	-0.48	-0.54	-0.49
EX9S57_9GW1	100YR-24HR	0.59	0.00	0.00	0.00	0.00	0.00
EX9S57_S55	100YR-24HR	0.30	-0.05	0.07	0.13	0.12	0.13
EX9S58_9GW1	100YR-24HR	0.60	0.00	0.00	0.00	0.00	0.00
EX9S58_S57	100YR-24HR	0.55	0.00	-0.07	0.29	0.31	0.30
EX9S63_9GW2	100YR-24HR	0.94	0.00	0.00	0.00	0.00	0.00
EX9S69_9GW3	100YR-24HR	1.30	0.00	0.00	0.00	0.00	0.00
EX9S79_9GW4	100YR-24HR	3.46	0.00	0.00	0.00	0.00	0.00
EX9S82_CAN	100YR-24HR	10.84	-0.04	-0.06	2.76	2.21	2.48

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
AL2							
EX9S85_9GW5	100YR-24HR	2.21	0.00	0.00	0.00	0.00	0.00
EX9S87A_9GW11	100YR-24HR	0.63	0.00	0.00	0.00	0.00	0.00
EX9S87A_S139C	100YR-24HR	0.01	-0.45	-0.09	-0.17	-0.17	-0.17
EX9S87A_S91A	100YR-24HR	0.92	-0.01	0.08	0.48	0.48	0.48
EX9S90A_9GW13	100YR-24HR	0.57	0.00	0.00	0.00	0.00	0.00
EX9S90A_S90	100YR-24HR	0.26	-0.03	-0.03	0.44	1.31	0.83
EX9S90_9GW14	100YR-24HR	1.56	0.00	0.00	0.00	0.00	0.00
EX9S90_WEIR	100YR-24HR	0.94	0.00	0.00	0.80	0.80	0.80
EX9S91A_9GW12	100YR-24HR	1.13	0.00	0.00	0.00	0.00	0.00
EX9S91A_9W11	100YR-24HR	0.62	0.00	0.00	0.00	0.00	0.00
EX9S91A_S90A	100YR-24HR	0.85	-0.01	0.11	0.50	0.82	0.64
EX9S94_9GW12	100YR-24HR	1.12	0.00	0.00	0.00	0.00	0.00
EX9S94_S91A	100YR-24HR	0.02	-0.14	0.02	0.07	0.08	0.08
EX9S96_9GW14	100YR-24HR	1.58	0.00	0.00	0.00	0.00	0.00
EX9S96_S90	100YR-24HR	0.42	0.00	0.06	0.30	0.50	0.37
EXCS7AS12_TPL	100YR-24HR	0.14	0.00	0.03	0.04	0.03	0.03
EXCS7AS12_WEIR	100YR-24HR	0.11	0.00	0.00	0.71	0.71	0.71
EXCS7AS1B_PL	100YR-24HR	0.40	0.00	0.11	0.11	0.09	0.10
EXCS7AS1B_WEIR	100YR-24HR	0.30	0.00	0.00	0.73	0.73	0.73
EXCS7S69_TPL	100YR-24HR	0.57	-0.01	-0.18	0.04	0.04	0.04
EXCS7S69_WEIR	100YR-24HR	0.48	0.00	-0.02	0.86	0.86	0.86
EXCS7S76_TPL	100YR-24HR	0.11	0.00	0.03	0.04	0.03	0.04
EXCS7S76_WEIR	100YR-24HR	0.10	0.00	0.00	0.00	0.00	0.00
EXCS8S66_WEIR	100YR-24HR	1.87	0.00	0.00	0.92	0.92	0.92
EXCS9S118_S	100YR-24HR	3.60	-0.02	-0.14	0.57	0.59	0.58

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
82							
EXCS9S118_WEIR1	100YR-24HR	3.59	0.00	0.00	1.92	1.92	1.92
EXCS9S118_WEIR2	100YR-24HR	0.48	0.00	0.00	0.98	0.98	0.98
EXCS9S129_8S99	100YR-24HR	0.02	-0.36	-0.07	-0.15	-0.12	-0.14
EXCS9S129_WEIR	100YR-24HR	0.02	-0.32	0.00	0.00	0.00	0.00
EXCS9S139C_S139D	100YR-24HR	0.01	-0.43	-0.07	-0.16	-0.18	-0.16
EXCS9S139C_WEIR	100YR-24HR	0.00	-0.37	0.00	0.00	0.00	0.00
EXCS9S80A_S82	100YR-24HR	3.39	0.00	0.88	1.08	1.08	1.08
EXCS9S80A_WEIR	100YR-24HR	3.39	0.00	0.00	1.12	1.12	1.12
EXCS9S80_S82	100YR-24HR	3.89	0.00	0.34	1.24	1.24	1.24
EXCS9S80_WEIR	100YR-24HR	3.87	0.00	0.00	1.17	1.17	1.17
PND9E2_S58	100YR-24HR	1.13	0.00	0.08	2.95	3.27	2.96
PND9E2_S63	100YR-24HR	1.10	0.00	0.13	3.16	4.55	3.85
PND9E3_PND9E2	100YR-24HR	1.57	0.00	-0.16	0.67	0.68	0.68
PND9E3_S69	100YR-24HR	1.31	0.00	0.19	3.79	5.77	4.78
PND9E4_PND9E3	100YR-24HR	2.44	0.00	0.00	2.13	3.55	2.84
PND9E5_S79	100YR-24HR	3.48	0.00	-0.22	4.13	6.45	5.29
PND9E6_S85	100YR-24HR	2.21	0.00	0.31	3.42	14.03	8.50
PND9W3_PND9E5	100YR-24HR	0.89	0.00	-0.01	2.69	0.87	1.78
PND9W4_WEIR	100YR-24HR	0.00	-1.17	0.00	-1.04	-1.04	-1.04
EX 7S86_7GW9	10YR-1HR	1.45	0.00	0.00	0.00	0.00	0.00
EX 9S15_PND9E5	10YR-1HR	5.85	-0.26	0.01	3.31	4.97	4.07
EX01_EX03	10YR-1HR	2.08	-0.85	0.01	-1.27	2.96	1.76
EX03_S97	10YR-1HR	8.58	0.00	0.09	0.79	1.68	1.16
EX04_TPL	10YR-1HR	0.66	0.00	-0.01	2.49	0.54	1.51
EX7AS01_7GW1	10YR-1HR	15.65	0.00	0.01	0.00	0.00	0.00
EX7AS01_S1B	10YR-1HR	0.12	-0.08	-0.01	0.08	0.06	0.07
EX7AS01_WEIR	10YR-1HR	2.63	0.00	0.00	1.11	1.11	1.11

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX7AS02_S01	10YR-1HR	16.55	0.00	-0.16	6.49	7.90	7.19
EX7AS03_S02	10YR-1HR	4.50	0.00	0.03	4.21	1.43	2.82
EX7AS08_S11	10YR-1HR	5.48	0.00	0.03	4.47	6.87	5.67
EX7AS11_7GW1	10YR-1HR	15.22	0.00	0.00	0.00	0.00	0.00
EX7AS11_S01	10YR-1HR	0.00	-1.72	0.00	-0.92	-1.68	-1.12
EX7AS11_S12	10YR-1HR	0.19	-0.10	-0.01	0.10	0.09	0.09
EX7AS1A_S11	10YR-1HR	8.82	0.00	2.24	5.22	2.84	4.03
EX7S03_S1A	10YR-1HR	3.22	-0.02	0.01	2.40	1.91	2.15
EX7S03_S8A	10YR-1HR	0.81	-1.74	0.05	2.54	-1.30	1.39
EX7S11_7GW3	10YR-1HR	5.95	0.00	0.00	0.00	0.00	0.00
EX7S11_GW2	10YR-1HR	2.08	0.00	0.00	0.00	0.00	0.00
EX7S11_S68	10YR-1HR	0.00	-4.29	0.00	-1.40	-1.86	-1.42
EX7S13_7GW4	10YR-1HR	1.40	0.00	0.00	0.00	0.00	0.00
EX7S13_S11	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7S15_S69	10YR-1HR	16.90	-0.25	10.38	1.06	1.06	1.06
EX7S16_S15	10YR-1HR	11.90	-2.84	9.74	0.75	0.75	0.75
EX7S18_S16	10YR-1HR	7.11	-8.74	-8.36	-0.55	-0.55	-0.55
EX7S22_S15	10YR-1HR	9.16	-2.22	-2.22	1.30	1.30	1.30
EX7S27_7GW5	10YR-1HR	6.51	0.00	0.00	0.00	0.00	0.00
EX7S27_S22	10YR-1HR	1.93	-3.58	-0.13	0.79	-2.24	-1.22
EX7S32_7GW5	10YR-1HR	6.51	0.00	0.00	0.00	0.00	0.00
EX7S32_7GW6	10YR-1HR	10.40	0.00	0.00	0.00	0.00	0.00
EX7S32_S27	10YR-1HR	0.50	-3.08	-0.03	-1.35	-2.12	-1.46
EX7S41_7GW6	10YR-1HR	9.71	0.00	0.00	0.00	0.00	0.00
EX7S41_S32	10YR-1HR	0.08	-4.60	0.00	-1.49	-1.82	-1.54
EX7S41_S66	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7S45_7GW8	10YR-1HR	2.81	0.00	0.00	0.00	0.00	0.00
EX7S45_S86	10YR-1HR	1.46	0.00	0.01	2.98	2.33	2.64
EX7S66_7GW8	10YR-1HR	1.48	0.00	0.00	0.00	0.00	0.00
EX7S66_S45	10YR-1HR	0.00	-0.58	0.00	-0.87	-2.34	-1.59
EX7S68_7GW3	10YR-1HR	6.21	0.00	0.00	0.00	0.00	0.00
EX7S68_S69	10YR-1HR	0.00	-9.19	-0.30	-1.89	-3.65	-2.46
EX7S71_S69	10YR-1HR	1.89	-1.80	-1.34	1.05	-1.89	-1.30
EX7S74_S71	10YR-1HR	0.03	-3.06	0.00	-1.01	-3.35	-2.05
EX7S74_S76	10YR-1HR	3.04	0.00	0.03	3.76	1.70	2.72
EX7S74_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX7S77_7GW7	10YR-1HR	6.72	0.00	0.00	0.00	0.00	0.00
EX7S77_S76	10YR-1HR	0.10	-3.01	0.00	-1.66	-3.71	-2.67
EX7S77_WEIR	10YR-1HR	2.96	0.00	0.00	1.17	1.17	1.17
EX7S78_S77	10YR-1HR	2.56	0.00	0.00	2.43	3.60	3.01
EX7S86_7GW7	10YR-1HR	3.93	0.00	0.00	0.00	0.00	0.00
EX7S86_S77	10YR-1HR	0.07	-0.83	0.00	-0.90	-2.53	-1.68
EX7S8A_7GW2	10YR-1HR	2.11	0.00	0.00	0.00	0.00	0.00
EX7S8A_S11	10YR-1HR	4.41	0.00	-0.01	2.15	3.58	2.80
EX7S90_7GW10	10YR-1HR	0.79	0.00	0.00	0.00	0.00	0.00
EX7S90_7GW9	10YR-1HR	1.49	0.00	0.00	0.00	0.00	0.00
EX7S90_S72A	10YR-1HR	0.00	-1.61	0.00	-1.59	-3.15	-2.37
EX7S90_S86	10YR-1HR	0.14	-0.12	0.00	-0.48	-1.08	-0.75
EX7S91_S18	10YR-1HR	0.00	-3.25	-0.45	-1.04	-1.04	-1.04
EX7S92_7GW11	10YR-1HR	5.99	0.00	0.00	0.00	0.00	0.00
EX7S92_S91	10YR-1HR	0.00	-3.05	-0.01	-1.73	-2.94	-1.88
EX7S92_S94	10YR-1HR	0.00	-2.34	0.00	-0.78	-1.24	-0.94
EX7S93_S18	10YR-1HR	7.46	-4.33	-6.82	1.04	0.59	0.80
EX7S94_7GW11	10YR-1HR	6.06	0.00	0.00	0.00	0.00	0.00
EX7S94_S93	10YR-1HR	0.00	-5.77	-0.04	-1.84	-2.59	-1.92
EX7S97_S93	10YR-1HR	9.86	-0.13	0.10	1.76	-1.40	1.42
EX8S01_8GW1	10YR-1HR	18.29	0.00	0.00	0.00	0.00	0.00
EX8S01_S15A	10YR-1HR	5.80	0.00	0.00	1.85	2.91	2.25
EX8S06_8GW3	10YR-1HR	1.61	0.00	0.00	0.00	0.00	0.00
EX8S06_S12	10YR-1HR	0.00	-0.76	0.00	-0.69	-2.55	-1.62
EX8S101_S70	10YR-1HR	3.04	0.00	-0.03	3.76	0.97	2.36
EX8S12_S13	10YR-1HR	0.27	-2.53	-0.01	-1.41	-2.12	-1.77
EX8S12_S74	10YR-1HR	5.48	0.00	0.53	4.47	4.48	3.92
EX8S139D_8GW14	10YR-1HR	1.10	0.00	0.00	0.00	0.00	0.00
EX8S139D_8GW15	10YR-1HR	1.52	0.00	0.00	0.00	0.00	0.00
EX8S139D_S99	10YR-1HR	1.60	-0.66	0.00	0.28	-0.29	0.28
EX8S13_S16	10YR-1HR	2.34	0.00	-0.02	2.17	1.94	2.05
EX8S15A_8GW1	10YR-1HR	13.22	0.00	0.00	0.00	0.00	0.00
EX8S15A_S17	10YR-1HR	0.00	-4.44	-0.01	-2.31	-3.77	-2.97

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX8S16_S17	10YR-1HR	7.30	0.00	-0.01	3.53	3.85	3.62
EX8S16_S25	10YR-1HR	1.98	-0.73	0.04	1.88	1.29	1.58
EX8S17_8GW2	10YR-1HR	1.61	0.00	0.00	0.00	0.00	0.00
EX8S17_S21	10YR-1HR	6.02	-1.09	-0.02	2.74	4.52	3.60
EX8S21_8GW2	10YR-1HR	1.60	0.00	0.00	0.00	0.00	0.00
EX8S21_S45	10YR-1HR	5.27	-2.00	-0.24	2.01	1.57	1.78
EX8S25_S26	10YR-1HR	1.50	-4.10	0.01	1.37	1.22	1.29
EX8S26_S49	10YR-1HR	2.60	-1.53	0.07	1.84	1.49	1.67
EX8S31A_8GW9	10YR-1HR	4.79	0.00	0.00	0.00	0.00	0.00
EX8S31A_PND8E1	10YR-1HR	1.71	-0.28	-0.01	1.32	2.68	2.00
EX8S31A_WEIR	10YR-1HR	12.60	0.00	0.00	1.78	1.78	1.78
EX8S40E1_S99	10YR-1HR	7.46	0.00	0.00	1.19	3.23	2.07
EX8S40W1_8GW11	10YR-1HR	5.03	0.00	0.00	0.00	0.00	0.00
EX8S40W1_W2	10YR-1HR	0.00	-0.89	0.06	-0.33	-0.34	-0.34
EX8S40W2_8GW11	10YR-1HR	5.04	0.00	0.00	0.00	0.00	0.00
EX8S40W2_W3	10YR-1HR	0.00	-2.42	-0.01	-1.83	-3.74	-2.78
EX8S40W3_W4	10YR-1HR	4.28	0.00	0.00	2.42	4.51	3.47
EX8S40W4_8GW13	10YR-1HR	0.73	0.00	0.00	0.00	0.00	0.00
EX8S40W4_W6	10YR-1HR	3.13	-0.05	-0.01	0.55	0.57	0.56
EX8S40W5_8GW12	10YR-1HR	1.73	0.00	0.00	0.00	0.00	0.00
EX8S40W5_W7	10YR-1HR	0.00	-1.12	0.00	-0.87	-1.58	-1.09
EX8S40W6_8GW13	10YR-1HR	0.72	0.00	0.00	0.00	0.00	0.00
EX8S40W6_8GW14	10YR-1HR	1.17	0.00	0.00	0.00	0.00	0.00
EX8S40W6_S139D	10YR-1HR	5.14	0.00	0.00	0.92	1.88	1.26
EX8S40W7_8GW12	10YR-1HR	1.74	0.00	0.00	0.00	0.00	0.00
EX8S40W7_W6	10YR-1HR	0.00	-0.16	0.00	-1.15	-1.85	-1.50
EX8S40W8_W	10YR-1HR	0.57	0.00	0.01	0.78	0.66	0.67

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
7							
EX8S40W9_S139D	10YR-1HR	1.84	0.00	0.00	1.55	3.47	2.51
EX8S45_S47	10YR-1HR	4.02	-1.54	-0.07	0.97	0.79	0.88
EX8S47_S56	10YR-1HR	1.45	-0.61	-0.02	0.90	0.41	0.65
EX8S49_8GW9	10YR-1HR	4.57	0.00	0.00	0.00	0.00	0.00
EX8S49_S31A	10YR-1HR	0.15	-6.07	0.00	-1.45	-1.54	-1.49
EX8S54_8GW4	10YR-1HR	3.50	0.00	0.00	0.00	0.00	0.00
EX8S54_S57	10YR-1HR	0.35	-2.08	-0.02	-0.66	-0.66	-0.66
EX8S56_PND8E1	10YR-1HR	0.36	-0.15	0.00	1.39	-1.68	1.37
EX8S57_8GW4	10YR-1HR	3.52	0.00	0.00	0.00	0.00	0.00
EX8S57_S56	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX8S57_WEIR	10YR-1HR	5.57	0.00	0.00	1.43	1.43	1.43
EX8S5A_8GW3	10YR-1HR	1.62	0.00	0.00	0.00	0.00	0.00
EX8S5A_S06	10YR-1HR	0.41	-0.01	0.06	0.78	1.69	1.18
EX8S66_S67	10YR-1HR	0.01	-0.03	0.03	0.00	0.00	0.00
EX8S67_S70	10YR-1HR	0.02	-0.02	-0.03	0.00	0.00	0.00
EX8S70_CANAL1	10YR-1HR	7.52	-0.01	0.17	0.47	0.47	0.47
EX8S72A_7GW10	10YR-1HR	1.07	0.00	0.00	0.00	0.00	0.00
EX8S72A_8GW10	10YR-1HR	1.07	0.00	0.00	0.00	0.00	0.00
EX8S74_8GW10	10YR-1HR	1.59	0.00	0.00	0.00	0.00	0.00
EX8S74_8GW5	10YR-1HR	6.55	0.00	0.00	0.00	0.00	0.00
EX8S74_S72A	10YR-1HR	3.75	0.00	0.00	2.20	3.84	2.98
EX8S74_S81	10YR-1HR	0.00	-1.96	0.00	-1.17	-1.67	-1.39
EX8S81_8GW5	10YR-1HR	7.09	0.00	0.00	0.00	0.00	0.00
EX8S81_8GW6	10YR-1HR	3.21	0.00	0.00	0.00	0.00	0.00
EX8S81_S25	10YR-1HR	0.00	-6.52	0.00	-2.27	-4.67	-3.45
EX8S81_S83	10YR-1HR	3.48	0.00	0.00	1.86	3.23	2.38
EX8S83_8GW6	10YR-1HR	2.66	0.00	0.00	0.00	0.00	0.00
EX8S83_S85	10YR-1HR	2.24	0.00	0.00	1.50	3.42	2.45
EX8S85B_8GW8	10YR-1HR	1.75	0.00	0.00	0.00	0.00	0.00
EX8S85B_S88	10YR-1HR	0.00	-0.75	0.00	-0.98	-2.44	-1.68

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX8S85_8GW7	10YR-1HR	2.55	0.00	0.00	0.00	0.00	0.00
EX8S85_S85B	10YR-1HR	1.04	0.00	0.00	1.83	2.77	2.28
EX8S85_S87	10YR-1HR	0.00	-0.50	0.00	-0.68	-1.64	-1.07
EX8S87_8GW7	10YR-1HR	2.71	0.00	-0.01	0.00	0.00	0.00
EX8S87_S88	10YR-1HR	2.44	-0.38	-0.21	1.40	1.17	1.28
EX8S87_WEIR	10YR-1HR	5.59	0.00	0.00	1.43	1.43	1.43
EX8S88_8GW8	10YR-1HR	2.62	0.00	0.01	0.00	0.00	0.00
EX8S88_S98	10YR-1HR	0.00	-1.13	-0.01	-2.86	-2.67	-2.47
EX8S98_PND8E1	10YR-1HR	0.00	-0.88	0.00	-1.84	-2.56	-2.18
EX8S99_8GW15	10YR-1HR	1.50	0.00	0.00	0.00	0.00	0.00
EX8S99_8GW16	10YR-1HR	1.72	0.00	0.00	0.00	0.00	0.00
EX8S99_S101	10YR-1HR	3.04	0.00	0.00	2.71	4.04	3.38
EX9S101_S96	10YR-1HR	3.73	0.00	0.03	3.99	6.29	5.14
EX9S104_9GW6	10YR-1HR	15.59	0.00	0.00	0.00	0.00	0.00
EX9S104_S12	10YR-1HR	9.59	-2.01	0.01	3.05	-3.18	3.05
EX9S107_9GW7	10YR-1HR	10.31	0.00	0.00	0.00	0.00	0.00
EX9S107_S113	10YR-1HR	1.38	-5.14	-0.02	-1.64	-1.64	-1.64
EX9S107_WEIR	10YR-1HR	21.38	0.00	-0.01	2.24	2.24	2.24
EX9S110_9GW6	10YR-1HR	15.73	0.00	0.01	0.00	0.00	0.00
EX9S110_S104	10YR-1HR	7.19	-3.73	0.01	2.29	2.29	2.29
EX9S110_S107	10YR-1HR	2.13	-15.72	0.07	-5.00	-5.00	-5.00
EX9S113_9GW8	10YR-1HR	8.54	0.00	0.00	0.00	0.00	0.00
EX9S113_S116	10YR-1HR	8.90	-0.88	0.01	2.83	2.83	2.83
EX9S113_WEIR	10YR-1HR	22.33	0.00	-0.01	2.30	2.30	2.30
EX9S116_9GW8	10YR-1HR	8.49	0.00	0.00	0.00	0.00	0.00
EX9S116_9GW9	10YR-1HR	6.15	0.00	0.00	0.00	0.00	0.00
EX9S116_S117	10YR-1HR	19.95	0.00	0.01	6.35	6.35	6.35

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX9S116_WEIR	10YR-1HR	27.31	0.00	-0.01	2.39	2.39	2.39
EX9S117_9GW9	10YR-1HR	5.28	0.00	0.00	0.00	0.00	0.00
EX9S117_S118	10YR-1HR	14.66	-0.13	1.53	2.99	2.99	2.99
EX9S119_9GW10	10YR-1HR	15.43	0.00	0.01	0.00	0.00	0.00
EX9S119_S118	10YR-1HR	0.22	-2.45	0.14	1.62	-0.60	0.84
EX9S125_9GW10	10YR-1HR	23.90	0.00	0.01	0.00	0.00	0.00
EX9S125_S119	10YR-1HR	13.22	0.00	0.01	4.21	5.36	4.23
EX9S125_WEIR	10YR-1HR	37.50	0.00	-0.02	2.74	2.74	2.74
EX9S12_POND9E4	10YR-1HR	4.39	-5.00	-0.61	-4.13	-1.85	-2.91
EX9S12_S15	10YR-1HR	5.82	-0.29	0.01	1.85	2.89	1.90
EX9S40E1_8GW16	10YR-1HR	2.06	0.00	0.00	0.00	0.00	0.00
EX9S49_9GW15	10YR-1HR	3.17	0.00	0.00	0.00	0.00	0.00
EX9S49_S129	10YR-1HR	0.07	-2.31	0.11	-0.59	-0.63	-0.61
EX9S55_9GW15	10YR-1HR	3.05	0.00	0.00	0.00	0.00	0.00
EX9S55_S49	10YR-1HR	0.00	-2.66	0.00	-1.51	-3.03	-2.18
EX9S57_9GW1	10YR-1HR	2.16	0.00	0.00	0.00	0.00	0.00
EX9S57_S55	10YR-1HR	1.12	-0.28	0.05	1.27	-1.98	-1.25
EX9S58_9GW1	10YR-1HR	2.26	0.00	0.00	0.00	0.00	0.00
EX9S58_S57	10YR-1HR	2.97	0.00	0.00	1.43	2.40	1.72
EX9S63_9GW2	10YR-1HR	2.93	0.00	0.00	0.00	0.00	0.00
EX9S69_9GW3	10YR-1HR	5.64	0.00	0.00	0.00	0.00	0.00
EX9S79_9GW4	10YR-1HR	7.32	0.00	0.00	0.00	0.00	0.00
EX9S82_CANAL2	10YR-1HR	29.04	0.00	0.02	6.27	5.92	5.94
EX9S85_9GW5	10YR-1HR	4.10	0.00	0.00	0.00	0.00	0.00
EX9S87A_9GW11	10YR-1HR	2.18	0.00	0.00	0.00	0.00	0.00
EX9S87A_S139C	10YR-1HR	0.18	-2.60	-0.01	-0.85	1.55	1.10

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX9S87A_S91A	10YR-1HR	3.77	-0.17	0.00	1.69	1.85	1.77
EX9S90A_9GW13	10YR-1HR	1.79	0.00	0.00	0.00	0.00	0.00
EX9S90A_S90	10YR-1HR	2.50	-0.01	-0.01	1.66	3.11	2.34
EX9S90_9GW14	10YR-1HR	4.81	0.00	0.00	0.00	0.00	0.00
EX9S90_WEIR	10YR-1HR	1.50	0.00	0.00	0.94	0.94	0.94
EX9S91A_9GW12	10YR-1HR	3.71	0.00	0.00	0.00	0.00	0.00
EX9S91A_9W11	10YR-1HR	2.02	0.00	0.00	0.00	0.00	0.00
EX9S91A_S90A	10YR-1HR	4.31	0.00	0.00	1.95	2.72	2.31
EX9S94_9GW12	10YR-1HR	3.70	0.00	0.00	0.00	0.00	0.00
EX9S94_S91A	10YR-1HR	0.38	-0.34	-0.01	0.27	0.27	0.27
EX9S96_9GW14	10YR-1HR	4.89	0.00	0.00	0.00	0.00	0.00
EX9S96_S90	10YR-1HR	1.47	0.00	0.00	1.08	2.55	1.75
EXCS7AS12_TPL	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EXCS7AS12_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EXCS7AS1B_PL	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EXCS7AS1B_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EXCS7S69_TPL	10YR-1HR	5.06	0.00	-0.36	0.35	0.32	0.33
EXCS7S69_WEIR	10YR-1HR	4.86	0.00	0.07	1.85	1.85	1.85
EXCS7S76_TPL	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EXCS7S76_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EXCS8S66_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EXCS9S118_S82	10YR-1HR	12.67	-0.78	0.01	2.02	2.02	2.02
EXCS9S118_WEIR1	10YR-1HR	14.66	0.00	0.01	3.06	3.06	3.06
EXCS9S118_WEIR2	10YR-1HR	0.00	-2.49	0.01	-1.69	-1.69	-1.69
EXCS9S129_8S99	10YR-1HR	0.06	-2.36	-0.06	-2.59	-0.75	-1.60

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EXCS9S129_WEIR	10YR-1HR	0.00	-2.36	0.00	0.00	0.00	0.00
EXCS9S139C_S139D	10YR-1HR	0.14	-2.58	0.01	-0.71	-1.60	-1.09
EXCS9S139C_WEIR	10YR-1HR	0.00	-2.58	0.00	0.00	0.00	0.00
EXCS9S80A_S82	10YR-1HR	12.91	0.00	0.03	4.11	4.11	4.11
EXCS9S80A_WEIR	10YR-1HR	13.30	0.00	0.01	1.76	1.76	1.76
EXCS9S80_S82	10YR-1HR	14.73	-0.24	0.02	4.69	4.69	4.69
EXCS9S80_WEIR	10YR-1HR	14.34	0.00	0.00	1.79	1.79	1.79
PND9E2_S58	10YR-1HR	5.23	0.00	-0.12	4.11	5.21	4.66
PND9E2_S63	10YR-1HR	2.96	0.00	-0.20	3.79	5.66	4.73
PND9E3_PND9E2	10YR-1HR	7.63	0.00	-0.01	2.43	2.46	2.44
PND9E3_S69	10YR-1HR	5.95	0.00	-0.40	4.54	7.07	5.80
PND9E4_PND9E3	10YR-1HR	12.82	0.00	0.02	4.08	6.02	5.04
PND9E5_S79	10YR-1HR	7.35	0.00	0.03	4.91	7.57	6.24
PND9E6_S85	10YR-1HR	4.11	0.00	0.70	3.99	16.94	10.23
PND9W3_PND9E5	10YR-1HR	4.27	0.00	0.03	4.15	5.76	4.85
PND9W4_WEIR	10YR-1HR	0.36	-4.71	-0.01	-1.69	-1.69	-1.69
EX 7S86_7GW9	10YR-24HR	0.44	0.00	0.00	0.00	0.00	0.00
EX 9S15_PND9E5	10YR-24HR	0.96	-0.20	0.01	0.54	2.30	1.28
EX01_EX03	10YR-24HR	0.67	0.00	0.01	0.32	2.41	1.36
EX03_S97	10YR-24HR	2.19	0.00	-0.21	0.34	0.39	0.34
EX04_TPL	10YR-24HR	0.38	0.00	-0.01	2.15	0.21	1.13
EX7AS01_7GW1	10YR-24HR	3.84	0.00	0.00	0.00	0.00	0.00
EX7AS01_S1B	10YR-24HR	0.11	-0.01	0.04	0.02	0.02	0.02
EX7AS01_WEIR	10YR-24HR	1.59	0.00	0.00	0.94	0.94	0.94
EX7AS02_S01	10YR-24HR	3.30	0.00	-0.03	3.85	5.23	4.54
EX7AS03_S02	10YR-24HR	1.29	0.00	0.03	2.97	0.59	1.78
EX7AS08_S11	10YR-24HR	1.11	0.00	-0.03	2.85	4.31	3.58
EX7AS11_7GW1	10YR-24HR	3.33	0.00	0.00	0.00	0.00	0.00
EX7AS11_S01	10YR-24HR	0.00	-0.98	0.02	-0.56	-0.60	-0.58
EX7AS11_S12	10YR-24HR	0.04	-0.03	0.02	0.01	-0.01	0.01

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX7AS1A_S11	10YR-24HR	1.30	0.00	-0.39	2.64	0.49	1.52
EX7S03_S1A	10YR-24HR	0.48	0.00	-0.01	1.25	0.51	0.88
EX7S03_S8A	10YR-24HR	0.11	-0.39	-0.02	1.57	-0.66	0.80
EX7S11_7GW3	10YR-24HR	1.51	0.00	0.00	0.00	0.00	0.00
EX7S11_GW2	10YR-24HR	0.53	0.00	0.00	0.00	0.00	0.00
EX7S11_S68	10YR-24HR	0.00	-1.06	-0.08	-0.52	-0.53	-0.52
EX7S13_7GW4	10YR-24HR	0.23	0.00	0.00	0.00	0.00	0.00
EX7S13_S11	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7S15_S69	10YR-24HR	5.92	-0.60	-5.92	0.37	0.37	0.37
EX7S16_S15	10YR-24HR	6.06	-0.81	-6.06	0.38	0.38	0.38
EX7S18_S16	10YR-24HR	4.01	-1.00	-4.01	0.25	0.25	0.25
EX7S22_S15	10YR-24HR	0.91	-1.21	-1.21	0.17	-0.18	-0.18
EX7S27_7GW5	10YR-24HR	1.57	0.00	0.00	0.00	0.00	0.00
EX7S27_S22	10YR-24HR	0.02	-1.28	-0.15	-0.28	-1.05	-0.55
EX7S32_7GW5	10YR-24HR	1.54	0.00	0.00	0.00	0.00	0.00
EX7S32_7GW6	10YR-24HR	2.45	0.00	0.00	0.00	0.00	0.00
EX7S32_S27	10YR-24HR	0.00	-0.96	0.04	-0.47	-1.13	-0.75
EX7S41_7GW6	10YR-24HR	2.27	0.00	0.00	0.00	0.00	0.00
EX7S41_S32	10YR-24HR	0.01	-1.40	-0.06	-0.72	-0.74	-0.73
EX7S41_S66	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7S45_7GW8	10YR-24HR	0.62	0.00	0.00	0.00	0.00	0.00
EX7S45_S86	10YR-24HR	0.10	-0.46	-0.08	0.62	-0.26	0.38
EX7S66_7GW8	10YR-24HR	0.57	0.00	0.00	0.00	0.00	0.00
EX7S66_S45	10YR-24HR	0.00	-0.44	-0.04	-0.32	-0.32	-0.32
EX7S68_7GW3	10YR-24HR	1.55	0.00	0.00	0.00	0.00	0.00
EX7S68_S69	10YR-24HR	0.00	-2.28	-1.04	-0.63	-1.93	-1.08
EX7S71_S69	10YR-24HR	1.12	-0.86	-0.88	0.68	0.61	0.64
EX7S74_S71	10YR-24HR	0.01	-0.66	-0.03	-0.28	-1.67	-0.90
EX7S74_S76	10YR-24HR	0.65	0.00	-0.02	1.96	0.24	1.05
EX7S74_WEIR	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7S77_7GW7	10YR-24HR	1.47	0.00	0.00	0.00	0.00	0.00
EX7S77_S76	10YR-24HR	0.02	-0.67	0.09	-0.25	-0.28	-0.26
EX7S77_WEIR	10YR-24HR	1.35	0.00	0.00	0.90	0.90	0.90
EX7S78_S77	10YR-24HR	0.55	0.00	0.00	1.51	2.36	1.94
EX7S86_7GW	10YR-24HR	1.20	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
7							
EX7S86_S77	10YR-24HR	0.01	-0.65	0.02	-0.43	-0.45	-0.44
EX7S8A_7GW2	10YR-24HR	0.53	0.00	0.00	0.00	0.00	0.00
EX7S8A_S11	10YR-24HR	1.10	0.00	0.08	0.79	0.99	0.89
EX7S90_7GW10	10YR-24HR	0.25	0.00	0.00	0.00	0.00	0.00
EX7S90_7GW9	10YR-24HR	0.48	0.00	0.00	0.00	0.00	0.00
EX7S90_S72A	10YR-24HR	0.00	-1.17	0.07	-0.75	-0.77	-0.76
EX7S90_S86	10YR-24HR	0.71	-0.01	-0.05	0.40	0.40	0.40
EX7S91_S18	10YR-24HR	0.02	-1.38	-0.87	-0.44	-0.48	-0.46
EX7S92_7GW11	10YR-24HR	1.50	0.00	0.00	0.00	0.00	0.00
EX7S92_S91	10YR-24HR	0.00	-0.97	-0.16	-0.55	-1.86	-1.04
EX7S92_S94	10YR-24HR	0.00	-0.48	0.05	-0.24	-0.27	-0.25
EX7S93_S18	10YR-24HR	2.88	-0.12	-2.64	0.44	0.23	0.34
EX7S94_7GW11	10YR-24HR	1.51	0.00	0.00	0.00	0.00	0.00
EX7S94_S93	10YR-24HR	0.00	-1.53	0.16	-0.71	-1.63	-1.12
EX7S97_S93	10YR-24HR	2.57	-0.01	0.27	0.76	0.39	0.58
EX8S01_8GW1	10YR-24HR	3.54	0.00	0.00	0.00	0.00	0.00
EX8S01_S15A	10YR-24HR	1.10	-0.15	0.02	0.61	0.66	0.64
EX8S06_8GW3	10YR-24HR	0.25	0.00	0.00	0.00	0.00	0.00
EX8S06_S12	10YR-24HR	0.00	-0.08	-0.01	-0.13	-1.13	-0.63
EX8S101_S70	10YR-24HR	1.05	-0.01	0.04	0.81	0.33	0.57
EX8S12_S13	10YR-24HR	0.19	-0.61	0.05	1.16	-0.98	0.85
EX8S12_S74	10YR-24HR	1.10	0.00	-0.09	2.76	0.71	1.73
EX8S139D_8GW14	10YR-24HR	0.24	0.00	0.00	0.00	0.00	0.00
EX8S139D_8GW15	10YR-24HR	0.34	-0.07	-0.01	0.00	0.00	0.00
EX8S139D_S99	10YR-24HR	0.57	-0.01	-0.02	0.13	0.13	0.13
EX8S13_S16	10YR-24HR	0.63	-0.35	-0.05	1.63	1.47	1.49
EX8S15A_8GW1	10YR-24HR	2.95	0.00	0.00	0.00	0.00	0.00
EX8S15A_S17	10YR-24HR	0.00	-0.89	-0.07	-0.69	-1.70	-1.13
EX8S16_S17	10YR-24HR	1.14	0.00	-0.05	1.98	1.47	1.62
EX8S16_S25	10YR-24HR	0.31	-0.28	-0.13	1.09	0.44	0.76
EX8S17_8GW2	10YR-24HR	0.36	0.00	0.00	0.00	0.00	0.00
EX8S17_S21	10YR-24HR	0.33	-0.39	-0.08	0.59	1.52	1.04
EX8S21_8GW2	10YR-24HR	0.36	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX8S21_S45	10YR-24HR	0.18	-0.49	-0.15	-0.11	-0.14	-0.11
EX8S25_S26	10YR-24HR	0.30	-1.45	0.42	0.72	-0.63	0.62
EX8S26_S49	10YR-24HR	0.44	-1.02	0.15	0.72	0.43	0.57
EX8S31A_8GW9	10YR-24HR	1.15	0.00	0.00	0.00	0.00	0.00
EX8S31A_PND8E1	10YR-24HR	0.00	-0.59	-0.01	-0.44	-2.01	-1.23
EX8S31A_WEIR	10YR-24HR	2.76	0.00	0.00	1.07	1.07	1.07
EX8S40E1_S99	10YR-24HR	1.25	0.00	0.01	0.28	0.49	0.33
EX8S40W1_8GW11	10YR-24HR	0.97	0.00	0.00	0.00	0.00	0.00
EX8S40W1_W2	10YR-24HR	0.00	-0.13	-0.03	-0.23	-0.24	-0.23
EX8S40W2_8GW11	10YR-24HR	0.97	0.00	0.00	0.00	0.00	0.00
EX8S40W2_W3	10YR-24HR	0.00	-0.52	0.00	-0.89	-2.44	-1.67
EX8S40W3_W4	10YR-24HR	0.56	0.00	0.00	0.95	2.49	1.72
EX8S40W4_8GW13	10YR-24HR	0.15	0.00	0.00	0.00	0.00	0.00
EX8S40W4_W6	10YR-24HR	0.40	0.00	0.07	0.13	0.14	0.13
EX8S40W5_8GW12	10YR-24HR	0.28	0.00	0.00	0.00	0.00	0.00
EX8S40W5_W7	10YR-24HR	0.00	-0.19	-0.05	-0.28	-0.38	-0.32
EX8S40W6_8GW13	10YR-24HR	0.15	0.00	0.00	0.00	0.00	0.00
EX8S40W6_8GW14	10YR-24HR	0.25	0.00	0.00	0.00	0.00	0.00
EX8S40W6_S139D	10YR-24HR	0.74	0.00	0.03	0.19	0.27	0.22
EX8S40W7_8GW12	10YR-24HR	0.28	0.00	0.00	0.00	0.00	0.00
EX8S40W7_W6	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX8S40W8_W7	10YR-24HR	0.11	0.00	0.03	0.52	0.31	0.39
EX8S40W9_S139D	10YR-24HR	0.45	0.00	0.00	0.73	2.35	1.54
EX8S45_S47	10YR-24HR	0.13	-0.36	-0.10	0.06	-0.06	-0.05
EX8S47_S56	10YR-24HR	0.05	-0.33	-0.06	0.07	-0.11	-0.09
EX8S49_8GW9	10YR-24HR	1.04	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX8S49_S31A	10YR-24HR	0.01	-2.03	-0.09	-0.82	-0.86	-0.84
EX8S54_8GW4	10YR-24HR	0.99	0.00	0.00	0.00	0.00	0.00
EX8S54_S57	10YR-24HR	0.03	-1.85	-1.19	-0.59	-0.59	-0.59
EX8S56_PND8E1	10YR-24HR	0.00	-0.31	0.00	-0.46	-2.04	-1.25
EX8S57_8GW4	10YR-24HR	1.00	0.00	0.00	0.00	0.00	0.00
EX8S57_S56	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX8S57_WEIR	10YR-24HR	1.68	0.00	0.00	0.96	0.96	0.96
EX8S5A_8GW3	10YR-24HR	0.26	0.00	0.00	0.00	0.00	0.00
EX8S5A_S06	10YR-24HR	0.08	-0.02	0.03	0.24	0.32	0.28
EX8S66_S67	10YR-24HR	0.25	-0.39	0.39	-0.03	-0.03	-0.03
EX8S67_S70	10YR-24HR	0.19	-0.25	0.25	-0.02	-0.02	-0.02
EX8S70_CANAL1	10YR-24HR	1.89	-0.08	0.38	0.12	0.12	0.12
EX8S72A_7GW10	10YR-24HR	0.25	0.00	0.00	0.00	0.00	0.00
EX8S72A_8GW10	10YR-24HR	0.25	0.00	0.00	0.00	0.00	0.00
EX8S74_8GW10	10YR-24HR	0.32	0.00	0.00	0.00	0.00	0.00
EX8S74_8GW5	10YR-24HR	1.13	0.00	0.00	0.00	0.00	0.00
EX8S74_S72A	10YR-24HR	1.61	0.00	0.07	1.04	1.09	1.07
EX8S74_S81	10YR-24HR	0.00	-0.97	0.03	-0.60	-0.63	-0.61
EX8S81_8GW5	10YR-24HR	1.33	0.00	0.00	0.00	0.00	0.00
EX8S81_8GW6	10YR-24HR	0.64	0.00	0.00	0.00	0.00	0.00
EX8S81_S25	10YR-24HR	0.00	-2.00	-0.06	-1.02	-2.19	-1.43
EX8S81_S83	10YR-24HR	0.74	-0.29	-0.03	0.52	0.55	0.53
EX8S83_8GW6	10YR-24HR	0.61	0.00	0.00	0.00	0.00	0.00
EX8S83_S85	10YR-24HR	0.54	-0.33	-0.02	0.39	0.41	0.40
EX8S85B_8GW8	10YR-24HR	0.93	0.00	0.00	0.00	0.00	0.00
EX8S85B_S88	10YR-24HR	0.00	-0.67	-0.05	-0.36	-0.37	-0.37
EX8S85_8GW7	10YR-24HR	0.94	0.00	0.00	0.00	0.00	0.00
EX8S85_S85B	10YR-24HR	0.42	-0.18	0.04	0.38	0.30	0.33
EX8S85_S87	10YR-24HR	0.00	-0.50	-0.04	-0.31	-0.31	-0.31
EX8S87_8GW7	10YR-24HR	0.97	0.00	0.00	0.00	0.00	0.00
EX8S87_S88	10YR-24HR	0.22	-0.36	-0.04	0.13	-0.13	-0.12

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX8S87_WEIR	10YR-24HR	1.62	0.00	0.00	0.95	0.95	0.95
EX8S88_8GW8	10YR-24HR	0.97	0.00	0.00	0.00	0.00	0.00
EX8S88_S98	10YR-24HR	0.00	-1.57	0.03	-2.24	-0.84	-1.48
EX8S98_PND8E1	10YR-24HR	0.00	-1.49	-0.01	-2.26	-2.10	-2.16
EX8S99_8GW15	10YR-24HR	0.34	0.00	0.00	0.00	0.00	0.00
EX8S99_8GW16	10YR-24HR	0.39	0.00	0.00	0.00	0.00	0.00
EX8S99_S101	10YR-24HR	1.05	0.00	0.00	2.19	2.00	2.09
EX9S101_S96	10YR-24HR	0.66	0.00	0.01	2.49	3.49	2.91
EX9S104_9GW6	10YR-24HR	4.40	0.00	0.00	0.00	0.00	0.00
EX9S104_S12	10YR-24HR	0.53	-0.50	-0.01	1.25	-2.31	-1.35
EX9S107_9GW7	10YR-24HR	3.02	0.00	0.00	0.00	0.00	0.00
EX9S107_S113	10YR-24HR	0.02	-2.15	-0.08	-0.78	-0.91	-0.84
EX9S107_WEIR	10YR-24HR	5.04	0.00	0.00	1.40	1.40	1.40
EX9S110_9GW6	10YR-24HR	4.46	0.00	0.00	0.00	0.00	0.00
EX9S110_S104	10YR-24HR	1.26	-0.19	0.06	0.44	-0.49	-0.45
EX9S110_S107	10YR-24HR	0.02	-4.18	0.09	-2.35	-1.46	-1.78
EX9S113_9GW8	10YR-24HR	2.54	0.00	0.00	0.00	0.00	0.00
EX9S113_S116	10YR-24HR	0.98	-0.02	0.07	0.43	0.45	0.44
EX9S113_WEIR	10YR-24HR	5.64	0.00	0.00	1.46	1.46	1.46
EX9S116_9GW8	10YR-24HR	2.53	0.00	0.00	0.00	0.00	0.00
EX9S116_9GW9	10YR-24HR	1.83	0.00	0.00	0.00	0.00	0.00
EX9S116_S117	10YR-24HR	2.68	0.00	-0.11	0.91	0.92	0.92
EX9S116_WEIR	10YR-24HR	6.08	0.00	0.00	1.49	1.49	1.49
EX9S117_9GW9	10YR-24HR	1.78	0.00	0.00	0.00	0.00	0.00
EX9S117_S118	10YR-24HR	1.43	-0.01	0.56	0.39	0.29	0.34
EX9S119_9G	10YR-24HR	3.57	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W10							
EX9S119_S118	10YR-24HR	1.57	-0.01	-1.54	0.47	0.32	0.40
EX9S125_9GW10	10YR-24HR	5.39	0.00	0.00	0.00	0.00	0.00
EX9S125_S119	10YR-24HR	3.61	0.00	-0.02	1.40	1.73	1.56
EX9S125_WEIR	10YR-24HR	9.03	0.00	0.00	1.70	1.70	1.70
EX9S12_POND9E4	10YR-24HR	0.08	-1.08	0.02	-2.04	-0.27	-1.10
EX9S12_S15	10YR-24HR	0.97	-0.22	-0.17	0.31	1.49	0.84
EX9S40E1_8GW16	10YR-24HR	0.40	0.00	0.00	0.00	0.00	0.00
EX9S49_9GW15	10YR-24HR	0.40	0.00	0.00	0.00	0.00	0.00
EX9S49_S129	10YR-24HR	0.01	0.00	0.00	0.00	-0.01	0.00
EX9S55_9GW15	10YR-24HR	0.39	0.00	0.00	0.00	0.00	0.00
EX9S55_S49	10YR-24HR	0.04	-0.44	0.02	-0.34	-0.35	-0.35
EX9S57_9GW1	10YR-24HR	0.27	0.00	0.00	0.00	0.00	0.00
EX9S57_S55	10YR-24HR	0.18	-0.06	0.07	0.09	-0.20	-0.11
EX9S58_9GW1	10YR-24HR	0.28	0.00	0.00	0.00	0.00	0.00
EX9S58_S57	10YR-24HR	0.32	0.00	0.10	0.16	0.18	0.17
EX9S63_9GW2	10YR-24HR	0.55	0.00	0.00	0.00	0.00	0.00
EX9S69_9GW3	10YR-24HR	0.49	0.00	0.00	0.00	0.00	0.00
EX9S79_9GW4	10YR-24HR	2.79	0.00	0.00	0.00	0.00	0.00
EX9S82_CANAL2	10YR-24HR	3.85	-0.04	-0.07	1.15	0.78	0.96
EX9S85_9GW5	10YR-24HR	1.90	0.00	0.00	0.00	0.00	0.00
EX9S87A_9GW11	10YR-24HR	0.37	0.00	0.00	0.00	0.00	0.00
EX9S87A_S139C	10YR-24HR	0.01	-0.01	0.00	-0.07	-0.07	-0.07
EX9S87A_S91A	10YR-24HR	0.37	-0.01	-0.04	0.27	0.28	0.28
EX9S90A_9GW13	10YR-24HR	0.34	0.00	0.00	0.00	0.00	0.00
EX9S90A_S90	10YR-24HR	0.17	-0.02	0.02	0.35	0.96	0.62
EX9S90_9GW14	10YR-24HR	0.92	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX9S90_WEIR	10YR-24HR	0.53	0.00	0.00	0.66	0.66	0.66
EX9S91A_9GW12	10YR-24HR	0.67	0.00	0.00	0.00	0.00	0.00
EX9S91A_9W11	10YR-24HR	0.36	0.00	0.00	0.00	0.00	0.00
EX9S91A_S90A	10YR-24HR	0.49	0.00	0.08	0.39	0.60	0.48
EX9S94_9GW12	10YR-24HR	0.67	0.00	0.00	0.00	0.00	0.00
EX9S94_S91A	10YR-24HR	0.02	-0.03	-0.01	0.08	0.09	0.09
EX9S96_9GW14	10YR-24HR	0.93	0.00	0.00	0.00	0.00	0.00
EX9S96_S90	10YR-24HR	0.28	0.00	-0.03	0.24	0.30	0.26
EXCS7AS12_TPL	10YR-24HR	0.04	0.00	0.01	0.01	0.01	0.01
EXCS7AS12_WEIR	10YR-24HR	0.03	0.00	0.00	0.00	0.00	0.00
EXCS7AS1B_PL	10YR-24HR	0.09	0.00	-0.02	0.02	0.02	0.02
EXCS7AS1B_WEIR	10YR-24HR	0.07	0.00	0.00	0.00	0.00	0.00
EXCS7S69_TPL	10YR-24HR	0.27	-0.01	0.18	0.02	0.02	0.02
EXCS7S69_WEIR	10YR-24HR	0.14	0.00	0.01	0.00	0.00	0.00
EXCS7S76_TPL	10YR-24HR	0.05	0.00	0.01	0.02	0.02	0.02
EXCS7S76_WEIR	10YR-24HR	0.05	0.00	0.00	0.00	0.00	0.00
EXCS8S66_WEIR	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EXCS9S118_S82	10YR-24HR	0.95	-0.01	-0.14	0.15	0.17	0.16
EXCS9S118_WEIR1	10YR-24HR	0.90	0.00	0.00	1.21	1.21	1.21
EXCS9S118_WEIR2	10YR-24HR	0.15	0.00	0.00	0.67	0.67	0.67
EXCS9S129_8S99	10YR-24HR	0.00	-0.02	0.00	-0.05	0.07	0.04
EXCS9S129_WEIR	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EXCS9S139C_S139D	10YR-24HR	0.01	-0.02	0.00	-0.11	-0.10	-0.10
EXCS9S139C_WEIR	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EXCS9S80A_S	10YR-24HR	1.74	0.00	0.22	0.55	0.55	0.55

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
82							
EXCS9S80A_WEIR	10YR-24HR	1.67	0.00	0.00	0.88	0.88	0.88
EXCS9S80_S82	10YR-24HR	1.41	0.00	-0.17	0.45	0.45	0.45
EXCS9S80_WEIR	10YR-24HR	1.31	0.00	0.00	0.81	0.81	0.81
PND9E2_S58	10YR-24HR	0.49	0.00	0.05	2.29	2.77	2.53
PND9E2_S63	10YR-24HR	0.60	0.00	0.07	2.90	4.10	3.50
PND9E3_PND9E2	10YR-24HR	0.78	0.00	0.07	0.37	0.37	0.37
PND9E3_S69	10YR-24HR	0.51	0.00	0.06	2.45	3.53	2.99
PND9E4_PND9E3	10YR-24HR	1.03	0.00	0.00	1.61	2.82	2.21
PND9E5_S79	10YR-24HR	2.80	0.00	-0.22	4.05	6.29	5.17
PND9E6_S85	10YR-24HR	1.90	0.00	0.25	3.27	13.06	7.92
PND9W3_PND9E5	10YR-24HR	0.48	0.00	-0.01	2.28	0.56	1.42
PND9W4_WEIR	10YR-24HR	0.00	-0.61	0.00	-0.93	-0.93	-0.93
EX 7S86_7GW9	25YR-72HR	3.68	0.00	0.00	0.00	0.00	0.00
EX 9S15_PND9E5	25YR-72HR	6.12	-3.24	-0.13	3.46	3.77	3.50
EX01_EX03	25YR-72HR	5.82	0.00	0.69	1.19	2.25	1.25
EX03_S97	25YR-72HR	19.16	-8.36	-6.46	1.30	1.30	1.30
EX04_TPL	25YR-72HR	4.16	0.00	0.03	4.12	1.32	2.72
EX7AS01_7GW1	25YR-72HR	17.57	0.00	0.00	0.00	0.00	0.00
EX7AS01_S1B	25YR-72HR	15.48	-8.21	-0.28	3.15	3.15	3.15
EX7AS01_WEIR	25YR-72HR	10.97	0.00	0.00	1.79	1.79	1.79
EX7AS02_S01	25YR-72HR	25.72	0.00	0.24	8.19	8.72	8.45
EX7AS03_S02	25YR-72HR	12.33	0.00	2.81	5.91	3.93	4.92
EX7AS08_S11	25YR-72HR	8.71	0.00	-0.07	5.20	7.82	6.51
EX7AS11_7GW1	25YR-72HR	17.27	0.00	0.01	0.00	0.00	0.00
EX7AS11_S01	25YR-72HR	0.00	-3.70	0.00	-1.18	-1.25	-1.21
EX7AS11_S12	25YR-72HR	7.51	-4.51	-1.97	1.53	-1.54	1.53
EX7AS1A_S11	25YR-72HR	13.65	-0.86	-5.94	4.35	4.35	4.35
EX7S03_S1A	25YR-72HR	7.37	-0.59	0.18	2.35	2.35	2.35
EX7S03_S8A	25YR-72HR	0.61	-5.59	-0.13	-1.78	-1.78	-1.78
EX7S11_7GW3	25YR-72HR	5.58	0.00	0.00	0.00	0.00	0.00
EX7S11_GW2	25YR-72HR	1.95	0.00	0.00	0.00	0.00	0.00
EX7S11_S68	25YR-72HR	0.00	-4.29	-0.08	-1.37	-1.37	-1.37

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX7S13_7GW 4	25YR-72HR	1.60	0.00	0.00	0.00	0.00	0.00
EX7S13_S11	25YR-72HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7S15_S69	25YR-72HR	45.81	-11.44	-11.44	2.88	2.88	2.88
EX7S16_S15	25YR-72HR	28.63	-5.74	10.41	1.80	1.80	1.80
EX7S18_S16	25YR-72HR	22.54	-8.29	-8.59	1.42	1.42	1.42
EX7S22_S15	25YR-72HR	18.34	-4.79	2.76	2.60	2.60	2.60
EX7S27_7GW 5	25YR-72HR	6.19	0.00	0.00	0.00	0.00	0.00
EX7S27_S22	25YR-72HR	10.14	-5.37	0.69	2.07	2.07	2.07
EX7S32_7GW 5	25YR-72HR	6.56	0.00	0.00	0.00	0.00	0.00
EX7S32_7GW 6	25YR-72HR	10.48	0.00	0.00	0.00	0.00	0.00
EX7S32_S27	25YR-72HR	7.34	-4.00	-0.10	2.34	2.34	2.34
EX7S41_7GW 6	25YR-72HR	9.34	0.00	0.00	0.00	0.00	0.00
EX7S41_S32	25YR-72HR	0.00	-8.58	-0.01	-2.73	-2.73	-2.73
EX7S41_S66	25YR-72HR	5.42	0.00	-0.04	4.23	4.67	4.45
EX7S45_7GW 8	25YR-72HR	5.35	0.00	0.00	0.00	0.00	0.00
EX7S45_S86	25YR-72HR	1.26	-2.50	0.09	-0.82	-0.96	-0.89
EX7S66_7GW 8	25YR-72HR	5.39	0.00	0.00	0.00	0.00	0.00
EX7S66_S45	25YR-72HR	1.05	-2.36	-0.06	-0.94	-0.99	-0.97
EX7S68_7GW 3	25YR-72HR	5.62	0.00	0.00	0.00	0.00	0.00
EX7S68_S69	25YR-72HR	0.11	-6.84	-1.92	-1.39	-1.72	-1.49
EX7S71_S69	25YR-72HR	1.61	-3.25	-1.72	-1.04	-1.04	-1.04
EX7S74_S71	25YR-72HR	0.67	-9.47	0.05	-3.01	-3.52	-3.26
EX7S74_S76	25YR-72HR	9.45	-0.63	0.52	3.49	3.01	3.25
EX7S74_WEI R	25YR-72HR	0.04	0.00	0.00	0.00	0.00	0.00
EX7S77_7GW 7	25YR-72HR	12.77	0.00	0.00	0.00	0.00	0.00
EX7S77_S76	25YR-72HR	0.00	-9.14	0.25	-2.91	-3.42	-3.15
EX7S77_WEI R	25YR-72HR	10.14	0.00	0.00	1.77	1.77	1.77
EX7S78_S77	25YR-72HR	4.00	0.00	0.00	2.79	4.08	3.43
EX7S86_7GW 7	25YR-72HR	9.99	0.00	0.00	0.00	0.00	0.00
EX7S86_S77	25YR-72HR	0.00	-5.45	0.00	-1.74	-2.18	-1.93
EX7S8A_7GW 2	25YR-72HR	1.98	0.00	0.00	0.00	0.00	0.00
EX7S8A_S11	25YR-72HR	5.01	0.00	0.28	1.60	1.60	1.60
EX7S90_7GW 10	25YR-72HR	1.97	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX7S90_7GW9	25YR-72HR	3.74	0.00	0.00	0.00	0.00	0.00
EX7S90_S72A	25YR-72HR	1.20	-5.57	-0.10	-1.77	-1.80	-1.78
EX7S90_S86	25YR-72HR	2.21	-1.59	0.04	0.76	0.77	0.76
EX7S91_S18	25YR-72HR	0.04	-2.76	1.29	-0.88	-0.88	-0.88
EX7S92_7GW11	25YR-72HR	5.57	0.00	0.00	0.00	0.00	0.00
EX7S92_S91	25YR-72HR	0.00	-2.39	0.23	-1.35	-1.35	-1.35
EX7S92_S94	25YR-72HR	0.00	-2.68	-0.10	-0.85	-0.85	-0.85
EX7S93_S18	25YR-72HR	17.88	-5.61	-4.84	1.42	1.42	1.42
EX7S94_7GW11	25YR-72HR	5.61	0.00	0.00	0.00	0.00	0.00
EX7S94_S93	25YR-72HR	0.00	-5.15	0.19	-1.64	-1.64	-1.64
EX7S97_S93	25YR-72HR	22.91	-2.01	0.58	2.03	1.82	1.92
EX8S01_8GW1	25YR-72HR	25.18	0.00	-0.01	0.00	0.00	0.00
EX8S01_S15A	25YR-72HR	8.06	-0.25	-0.03	2.57	2.57	2.57
EX8S06_8GW3	25YR-72HR	2.06	0.00	0.00	0.00	0.00	0.00
EX8S06_S12	25YR-72HR	0.00	-0.72	-0.02	-0.35	-1.79	-1.04
EX8S101_S70	25YR-72HR	8.15	-0.81	0.26	2.67	2.59	2.62
EX8S12_S13	25YR-72HR	0.57	-5.03	0.33	-1.81	-2.29	-2.05
EX8S12_S74	25YR-72HR	9.33	-0.23	0.07	3.63	2.97	3.08
EX8S139D_8GW14	25YR-72HR	0.92	0.00	0.00	0.00	0.00	0.00
EX8S139D_8GW15	25YR-72HR	1.28	-0.02	0.00	0.00	0.00	0.00
EX8S139D_S99	25YR-72HR	4.36	-1.09	0.23	0.52	0.54	0.53
EX8S13_S16	25YR-72HR	0.59	-2.85	0.35	1.32	1.14	1.06
EX8S15A_8GW1	25YR-72HR	17.29	0.00	0.00	0.00	0.00	0.00
EX8S15A_S17	25YR-72HR	1.43	-4.48	-0.33	-1.42	-1.44	-1.43
EX8S16_S17	25YR-72HR	4.42	0.00	0.10	1.65	1.41	1.48
EX8S16_S25	25YR-72HR	2.15	-1.07	0.55	0.80	0.44	0.54
EX8S17_8GW2	25YR-72HR	2.08	0.00	0.00	0.00	0.00	0.00
EX8S17_S21	25YR-72HR	4.66	-4.24	0.70	1.68	1.76	1.72
EX8S21_8GW2	25YR-72HR	2.07	0.00	0.00	0.00	0.00	0.00
EX8S21_S45	25YR-72HR	4.07	-5.18	-2.28	-1.06	-1.06	-1.06
EX8S25_S26	25YR-72HR	0.12	-5.41	-2.23	-1.16	-1.23	-1.19
EX8S26_S49	25YR-72HR	2.54	-4.09	1.15	-0.86	-0.94	-0.90
EX8S31A_8GW9	25YR-72HR	5.83	0.00	0.00	0.00	0.00	0.00
EX8S31A_PND8E1	25YR-72HR	11.49	-2.78	-0.01	2.47	3.32	2.88

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX8S31A_WEIR	25YR-72HR	21.16	0.00	-0.01	2.11	2.11	2.11
EX8S40E1_S99	25YR-72HR	9.87	0.00	0.49	1.10	1.14	1.10
EX8S40W1_8GW11	25YR-72HR	5.09	0.00	0.00	0.00	0.00	0.00
EX8S40W1_W2	25YR-72HR	1.35	-0.14	-0.02	0.43	0.43	0.43
EX8S40W2_8GW11	25YR-72HR	5.09	0.00	0.00	0.00	0.00	0.00
EX8S40W2_W3	25YR-72HR	0.49	-1.31	-0.01	-1.37	-3.12	-2.24
EX8S40W3_W4	25YR-72HR	7.47	0.00	0.00	4.22	4.95	4.22
EX8S40W4_8GW13	25YR-72HR	0.65	0.00	0.00	0.00	0.00	0.00
EX8S40W4_W6	25YR-72HR	6.80	0.00	-0.31	0.76	0.76	0.76
EX8S40W5_8GW12	25YR-72HR	3.30	0.00	0.00	0.00	0.00	0.00
EX8S40W5_W7	25YR-72HR	0.00	-2.60	-0.03	-0.83	-0.83	-0.83
EX8S40W6_8GW13	25YR-72HR	0.62	0.00	0.00	0.00	0.00	0.00
EX8S40W6_8GW14	25YR-72HR	1.02	0.00	0.00	0.00	0.00	0.00
EX8S40W6_S139D	25YR-72HR	8.01	0.00	-0.57	0.89	0.89	0.89
EX8S40W7_8GW12	25YR-72HR	3.33	0.00	0.00	0.00	0.00	0.00
EX8S40W7_W6	25YR-72HR	0.00	-2.75	-0.02	-2.38	-2.90	-2.45
EX8S40W8_W7	25YR-72HR	0.71	-0.02	0.20	0.40	0.40	0.40
EX8S40W9_S139D	25YR-72HR	3.58	0.00	0.00	2.21	4.25	3.23
EX8S45_S47	25YR-72HR	3.25	-5.03	-2.20	-0.44	-0.47	-0.45
EX8S47_S56	25YR-72HR	1.90	-4.74	0.85	-0.67	-0.80	-0.73
EX8S49_8GW9	25YR-72HR	5.79	0.00	0.00	0.00	0.00	0.00
EX8S49_S31A	25YR-72HR	0.01	-7.65	-0.12	-1.40	-1.44	-1.42
EX8S54_8GW4	25YR-72HR	3.60	0.00	0.00	0.00	0.00	0.00
EX8S54_S57	25YR-72HR	0.01	-2.14	-0.35	-0.68	-0.68	-0.68
EX8S56_PND8E1	25YR-72HR	5.85	-1.74	-0.01	2.63	3.34	2.98
EX8S57_8GW	25YR-72HR	3.60	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
4							
EX8S57_S56	25YR-72HR	5.79	0.00	0.33	4.55	3.02	3.75
EX8S57_WEIR	25YR-72HR	11.15	0.00	-0.05	1.33	1.33	1.33
EX8S5A_8GW3	25YR-72HR	2.06	0.00	0.00	0.00	0.00	0.00
EX8S5A_S06	25YR-72HR	0.43	-0.10	-0.05	0.15	0.15	0.15
EX8S66_S67	25YR-72HR	21.29	-0.06	-5.45	1.69	1.69	1.69
EX8S67_S70	25YR-72HR	21.30	-0.15	5.61	1.70	1.70	1.70
EX8S70_CANAL1	25YR-72HR	31.54	-0.49	0.48	1.98	1.98	1.98
EX8S72A_7GW10	25YR-72HR	1.93	0.00	0.00	0.00	0.00	0.00
EX8S72A_8GW10	25YR-72HR	1.93	0.00	0.00	0.00	0.00	0.00
EX8S74_8GW10	25YR-72HR	2.50	0.00	0.00	0.00	0.00	0.00
EX8S74_8GW5	25YR-72HR	7.57	0.00	0.00	0.00	0.00	0.00
EX8S74_S72A	25YR-72HR	9.40	-0.99	0.11	2.99	2.99	2.99
EX8S74_S81	25YR-72HR	0.60	-2.34	0.04	-0.75	-0.75	-0.75
EX8S81_8GW5	25YR-72HR	7.67	0.00	0.00	0.00	0.00	0.00
EX8S81_8GW6	25YR-72HR	4.21	0.00	0.00	0.00	0.00	0.00
EX8S81_S25	25YR-72HR	0.06	-6.98	0.06	-2.22	-2.29	-2.22
EX8S81_S83	25YR-72HR	4.99	-0.11	0.06	1.59	1.59	1.59
EX8S83_8GW6	25YR-72HR	3.86	0.00	0.00	0.00	0.00	0.00
EX8S83_S85	25YR-72HR	4.67	-0.13	0.06	1.49	1.49	1.49
EX8S85B_8GW8	25YR-72HR	5.30	0.00	0.00	0.00	0.00	0.00
EX8S85B_S88	25YR-72HR	0.05	-2.25	0.05	-0.72	-0.72	-0.72
EX8S85_8GW7	25YR-72HR	5.46	0.00	0.00	0.00	0.00	0.00
EX8S85_S85B	25YR-72HR	4.83	-0.08	0.04	1.54	1.54	1.54
EX8S85_S87	25YR-72HR	0.00	-2.34	0.05	-0.74	-0.74	-0.74
EX8S87_8GW7	25YR-72HR	5.61	0.00	0.00	0.00	0.00	0.00
EX8S87_S88	25YR-72HR	5.57	-0.44	-0.07	1.77	1.77	1.77
EX8S87_WEIR	25YR-72HR	12.92	0.00	0.00	1.89	1.89	1.89
EX8S88_8GW8	25YR-72HR	5.36	0.00	0.00	0.00	0.00	0.00
EX8S88_S98	25YR-72HR	0.57	-5.16	-0.14	-2.39	-1.64	-1.95
EX8S98_PND8E1	25YR-72HR	1.22	-4.67	0.09	-2.54	-2.22	-2.35

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX8S99_8GW15	25YR-72HR	1.24	0.00	0.00	0.00	0.00	0.00
EX8S99_8GW16	25YR-72HR	1.41	0.00	0.00	0.00	0.00	0.00
EX8S99_S101	25YR-72HR	8.19	-0.80	-0.04	4.63	4.63	4.63
EX9S101_S96	25YR-72HR	4.78	0.00	0.03	4.29	3.02	2.91
EX9S104_9GW6	25YR-72HR	15.94	0.00	0.00	0.00	0.00	0.00
EX9S104_S12	25YR-72HR	13.75	-1.77	-0.01	4.38	4.38	4.38
EX9S107_9GW7	25YR-72HR	11.19	0.00	0.00	0.00	0.00	0.00
EX9S107_S113	25YR-72HR	2.15	-5.91	0.19	-1.88	-1.88	-1.88
EX9S107_WEIR	25YR-72HR	32.26	0.00	0.01	2.57	2.57	2.57
EX9S110_9GW6	25YR-72HR	16.60	0.00	0.01	0.00	0.00	0.00
EX9S110_S104	25YR-72HR	9.72	-0.07	-0.04	3.09	3.09	3.09
EX9S110_S107	25YR-72HR	0.03	-19.44	-0.19	-6.19	-6.19	-6.19
EX9S113_9GW8	25YR-72HR	9.26	0.00	0.00	0.00	0.00	0.00
EX9S113_S116	25YR-72HR	6.78	-0.07	0.04	2.16	2.16	2.16
EX9S113_WEIR	25YR-72HR	20.65	0.00	-0.01	2.24	2.24	2.24
EX9S116_9GW8	25YR-72HR	9.14	0.00	0.00	0.00	0.00	0.00
EX9S116_9GW9	25YR-72HR	6.62	0.00	0.00	0.00	0.00	0.00
EX9S116_S117	25YR-72HR	24.14	0.00	0.19	7.68	7.68	7.68
EX9S116_WEIR	25YR-72HR	33.26	0.00	0.01	2.65	2.65	2.65
EX9S117_9GW9	25YR-72HR	5.38	0.00	0.00	0.00	0.00	0.00
EX9S117_S118	25YR-72HR	19.50	-0.01	0.62	3.97	3.97	3.97
EX9S119_9GW10	25YR-72HR	19.19	0.00	0.01	0.00	0.00	0.00
EX9S119_S118	25YR-72HR	2.53	-6.76	-2.38	-1.38	-1.38	-1.38
EX9S125_9GW10	25YR-72HR	26.21	0.00	0.01	0.00	0.00	0.00
EX9S125_S119	25YR-72HR	14.76	0.00	0.01	4.70	4.70	4.70

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX9S125_WEIR	25YR-72HR	40.93	0.00	0.01	3.26	3.26	3.26
EX9S12_PND9E4	25YR-72HR	7.43	-1.09	0.05	1.51	1.70	1.51
EX9S12_S15	25YR-72HR	6.27	-3.35	-0.60	2.00	2.00	2.00
EX9S40E1_8GW16	25YR-72HR	1.78	0.00	0.00	0.00	0.00	0.00
EX9S49_9GW15	25YR-72HR	5.02	0.00	-0.01	0.00	0.00	0.00
EX9S49_S129	25YR-72HR	3.09	-3.53	3.06	0.73	-0.72	-0.72
EX9S55_9GW15	25YR-72HR	4.92	0.00	0.00	0.00	0.00	0.00
EX9S55_S49	25YR-72HR	2.75	-4.48	0.27	-1.43	-1.43	-1.43
EX9S57_9GW1	25YR-72HR	3.48	0.00	0.00	0.00	0.00	0.00
EX9S57_S55	25YR-72HR	5.90	-1.53	0.34	1.88	1.88	1.88
EX9S58_9GW1	25YR-72HR	3.58	0.00	0.01	0.00	0.00	0.00
EX9S58_S57	25YR-72HR	8.29	0.00	0.13	2.64	2.64	2.64
EX9S63_9GW2	25YR-72HR	3.28	0.00	0.00	0.00	0.00	0.00
EX9S69_9GW3	25YR-72HR	6.65	0.00	0.01	0.00	0.00	0.00
EX9S79_9GW4	25YR-72HR	20.12	0.00	0.01	0.00	0.00	0.00
EX9S82_CANAL2	25YR-72HR	31.56	-0.01	0.22	6.43	6.43	6.43
EX9S85_9GW5	25YR-72HR	5.02	0.00	0.01	0.00	0.00	0.00
EX9S87A_9GW11	25YR-72HR	3.41	0.00	0.00	0.00	0.00	0.00
EX9S87A_S139C	25YR-72HR	3.41	-6.81	3.26	-1.02	-1.02	-1.02
EX9S87A_S91A	25YR-72HR	7.69	-0.28	0.15	2.45	2.45	2.45
EX9S90A_9GW13	25YR-72HR	2.95	0.00	0.00	0.00	0.00	0.00
EX9S90A_S90	25YR-72HR	2.42	-0.03	0.06	0.77	0.77	0.77
EX9S90_9GW14	25YR-72HR	8.06	0.00	0.00	0.00	0.00	0.00
EX9S90_WEIR	25YR-72HR	4.47	0.00	0.00	1.35	1.35	1.35
EX9S91A_9GW12	25YR-72HR	5.87	0.00	0.00	0.00	0.00	0.00
EX9S91A_9W11	25YR-72HR	3.20	0.00	0.00	0.00	0.00	0.00
EX9S91A_S90	25YR-72HR	5.39	0.00	0.11	1.72	1.72	1.72

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
A							
EX9S94_9GW12	25YR-72HR	5.85	0.00	0.00	0.00	0.00	0.00
EX9S94_S91A	25YR-72HR	0.03	-1.40	0.05	-0.45	-0.45	-0.45
EX9S96_9GW14	25YR-72HR	8.09	0.00	0.00	0.00	0.00	0.00
EX9S96_S90	25YR-72HR	1.55	-0.24	-0.03	0.49	0.49	0.49
EXCS7AS12_TPL	25YR-72HR	7.51	-5.27	-1.51	1.53	1.53	1.53
EXCS7AS12_WEIR	25YR-72HR	7.51	-3.64	-0.02	2.87	2.87	2.87
EXCS7AS1B_PL	25YR-72HR	15.48	-7.77	-1.64	3.15	3.15	3.15
EXCS7AS1B_WEIR	25YR-72HR	15.48	-7.77	-0.05	2.45	2.45	2.45
EXCS7S69_TPL	25YR-72HR	38.31	-10.79	-4.92	2.41	2.41	2.41
EXCS7S69_WEIR	25YR-72HR	38.32	-8.80	-0.41	3.69	3.69	3.69
EXCS7S76_TPL	25YR-72HR	5.67	-6.70	0.11	-2.13	-2.13	-2.13
EXCS7S76_WEIR	25YR-72HR	5.67	-6.70	-0.02	-2.06	-2.06	-2.06
EXCS8S66_WEIR	25YR-72HR	21.28	-0.01	0.01	1.65	1.65	1.65
EXCS9S118_S82	25YR-72HR	16.36	-0.01	-0.22	2.60	2.60	2.60
EXCS9S118_WEIR1	25YR-72HR	24.87	0.00	-7.25	3.15	3.15	3.15
EXCS9S118_WEIR2	25YR-72HR	2.60	-11.34	-3.99	-1.56	-1.56	-1.56
EXCS9S129_8S99	25YR-72HR	2.25	-3.10	0.39	-0.99	-0.99	-0.99
EXCS9S129_WEIR	25YR-72HR	2.22	-3.02	0.35	-1.72	-1.72	-1.72
EXCS9S139C_S139D	25YR-72HR	0.01	-6.67	-0.12	-0.97	-0.97	-0.97
EXCS9S139C_WEIR	25YR-72HR	0.00	-6.74	-0.22	-2.01	-2.01	-2.01
EXCS9S80A_S82	25YR-72HR	13.19	0.00	0.28	4.20	4.20	4.20
EXCS9S80A_WEIR	25YR-72HR	13.43	0.00	-0.03	0.99	0.99	0.99
EXCS9S80_S82	25YR-72HR	15.17	-8.56	-0.35	4.83	4.83	4.83
EXCS9S80_WEIR	25YR-72HR	14.95	-8.34	0.15	0.90	0.90	0.90

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PND9E2_S58	25YR-72HR	11.64	0.00	2.68	5.77	4.72	5.25
PND9E2_S63	25YR-72HR	6.04	0.00	-5.93	3.00	4.27	3.63
PND9E3_PND9E2	25YR-72HR	12.35	0.00	-0.11	3.93	3.93	3.93
PND9E3_S69	25YR-72HR	10.68	0.00	-8.91	4.35	6.16	5.24
PND9E4_PND9E3	25YR-72HR	17.45	0.00	0.02	5.55	6.02	5.55
PND9E5_S79	25YR-72HR	20.13	0.00	-4.81	6.91	9.50	8.20
PND9E6_S85	25YR-72HR	11.90	0.00	9.02	5.47	3.79	4.63
PND9W3_PND9E5	25YR-72HR	25.23	0.00	4.09	8.28	8.76	8.35
PND9W4_WEIR	25YR-72HR	4.85	-14.29	-0.22	-1.73	-1.73	-1.73

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW1	100YR-1HR	117706	0	117706
7GW1	100YR-24HR	412280	0	412280
7GW1	10YR-1HR	76712	0	76712
7GW1	10YR-24HR	249621	0	249621
7GW1	25YR-72HR	1249085	0	1249085

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW10	100YR-1HR	6551	0	6551
7GW10	100YR-24HR	29068	0	29068
7GW10	10YR-1HR	3161	0	3161
7GW10	10YR-24HR	18475	0	18475
7GW10	25YR-72HR	42207	0	42207

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW11	100YR-1HR	43838	0	43838
7GW11	100YR-24HR	160283	0	160283
7GW11	10YR-1HR	31217	0	31217
7GW11	10YR-24HR	99839	0	99839
7GW11	25YR-72HR	333237	0	333237

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW2	100YR-1HR	14722	0	14722
7GW2	100YR-24HR	54930	0	54930
7GW2	10YR-1HR	10362	0	10362
7GW2	10YR-24HR	34042	0	34042
7GW2	25YR-72HR	112121	0	112121

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW3	100YR-1HR	42386	0	42386

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW3	100YR-24HR	155974	0	155974
7GW3	10YR-1HR	29500	0	29500
7GW3	10YR-24HR	96753	0	96753
7GW3	25YR-72HR	328584	0	328584

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW4	100YR-1HR	4584	0	4584
7GW4	100YR-24HR	12442	0	12442
7GW4	10YR-1HR	3126	0	3126
7GW4	10YR-24HR	8145	0	8145
7GW4	25YR-72HR	12913	0	12913

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW5	100YR-1HR	47109	0	47109
7GW5	100YR-24HR	165428	0	165428
7GW5	10YR-1HR	32570	0	32570
7GW5	10YR-24HR	102858	0	102858
7GW5	25YR-72HR	296869	0	296869

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW6	100YR-1HR	68681	0	68681
7GW6	100YR-24HR	241387	0	241387
7GW6	10YR-1HR	46239	0	46239
7GW6	10YR-24HR	150222	0	150222
7GW6	25YR-72HR	397174	0	397174

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW7	100YR-1HR	47158	0	47158
7GW7	100YR-24HR	163316	0	163316
7GW7	10YR-1HR	24646	0	24646

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW7	10YR-24HR	97128	0	97128
7GW7	25YR-72HR	498085	0	498085

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW8	100YR-1HR	16014	0	16014
7GW8	100YR-24HR	75188	0	75188
7GW8	10YR-1HR	10504	0	10504
7GW8	10YR-24HR	47790	0	47790
7GW8	25YR-72HR	126424	0	126424

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW9	100YR-1HR	11523	0	11523
7GW9	100YR-24HR	54313	0	54313
7GW9	10YR-1HR	5423	0	5423
7GW9	10YR-24HR	34427	0	34427
7GW9	25YR-72HR	88617	0	88617

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW1	100YR-1HR	111404	0	111404
8GW1	100YR-24HR	352835	0	352835
8GW1	10YR-1HR	73104	0	73104
8GW1	10YR-24HR	219680	0	219680
8GW1	25YR-72HR	375821	0	375821

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW10	100YR-1HR	9124	0	9124
8GW10	100YR-24HR	33151	0	33151
8GW10	10YR-1HR	5309	0	5309
8GW10	10YR-24HR	20628	0	20628
8GW10	25YR-72HR	42595	0	42595

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW11	100YR-1HR	30340	0	30340
8GW11	100YR-24HR	104570	0	104570
8GW11	10YR-1HR	23670	0	23670
8GW11	10YR-24HR	66242	0	66242
8GW11	25YR-72HR	97693	0	97693

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW12	100YR-1HR	14415	0	14415
8GW12	100YR-24HR	31583	0	31583
8GW12	10YR-1HR	8022	0	8022
8GW12	10YR-24HR	20675	0	20675
8GW12	25YR-72HR	38841	0	38841

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW13	100YR-1HR	6269	0	6269
8GW13	100YR-24HR	16141	0	16141
8GW13	10YR-1HR	4913	0	4913
8GW13	10YR-24HR	11022	0	11022
8GW13	25YR-72HR	20979	0	20979

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW14	100YR-1HR	9682	0	9682
8GW14	100YR-24HR	25740	0	25740
8GW14	10YR-1HR	7681	0	7681
8GW14	10YR-24HR	17471	0	17471
8GW14	25YR-72HR	32353	0	32353

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW15	100YR-1HR	12732	0	12732

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW15	100YR-24HR	34756	615	34141
8GW15	10YR-1HR	10198	0	10198
8GW15	10YR-24HR	23508	860	22648
8GW15	25YR-72HR	42775	344	42431

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW16	100YR-1HR	16091	0	16091
8GW16	100YR-24HR	42233	0	42233
8GW16	10YR-1HR	12903	0	12903
8GW16	10YR-24HR	28795	0	28795
8GW16	25YR-72HR	53339	0	53339

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW2	100YR-1HR	16455	0	16455
8GW2	100YR-24HR	42748	0	42748
8GW2	10YR-1HR	10757	0	10757
8GW2	10YR-24HR	26801	0	26801
8GW2	25YR-72HR	45364	0	45364

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW3	100YR-1HR	10386	0	10386
8GW3	100YR-24HR	30931	0	30931
8GW3	10YR-1HR	7098	0	7098
8GW3	10YR-24HR	19281	0	19281
8GW3	25YR-72HR	35445	0	35445

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW4	100YR-1HR	27822	0	27822
8GW4	100YR-24HR	104999	0	104999
8GW4	10YR-1HR	15663	0	15663

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW4	10YR-24HR	61835	0	61835
8GW4	25YR-72HR	98038	0	98038

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW5	100YR-1HR	48962	0	48962
8GW5	100YR-24HR	145432	0	145432
8GW5	10YR-1HR	31830	0	31830
8GW5	10YR-24HR	89771	0	89771
8GW5	25YR-72HR	162872	0	162872

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW6	100YR-1HR	21119	0	21119
8GW6	100YR-24HR	72959	0	72959
8GW6	10YR-1HR	13731	0	13731
8GW6	10YR-24HR	45340	0	45340
8GW6	25YR-72HR	79824	0	79824

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW7	100YR-1HR	35675	0	35675
8GW7	100YR-24HR	111142	0	111142
8GW7	10YR-1HR	20371	0	20371
8GW7	10YR-24HR	69241	0	69241
8GW7	25YR-72HR	121172	0	121172

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW8	100YR-1HR	34784	0	34784
8GW8	100YR-24HR	111260	0	111260
8GW8	10YR-1HR	18720	0	18720
8GW8	10YR-24HR	69906	0	69906
8GW8	25YR-72HR	120836	0	120836

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW9	100YR-1HR	43701	0	43701
8GW9	100YR-24HR	143321	0	143321
8GW9	10YR-1HR	30237	0	30237
8GW9	10YR-24HR	89725	0	89725
8GW9	25YR-72HR	154359	0	154359

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW1	100YR-1HR	18505	0	18505
9GW1	100YR-24HR	36509	0	36509
9GW1	10YR-1HR	8266	0	8266
9GW1	10YR-24HR	20613	0	20613
9GW1	25YR-72HR	45783	0	45783

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW10	100YR-1HR	154796	0	154796
9GW10	100YR-24HR	464795	0	464795
9GW10	10YR-1HR	88697	0	88697
9GW10	10YR-24HR	287754	0	287754
9GW10	25YR-72HR	501894	0	501894

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW11	100YR-1HR	15894	0	15894
9GW11	100YR-24HR	41814	0	41814
9GW11	10YR-1HR	9664	0	9664
9GW11	10YR-24HR	25913	0	25913
9GW11	25YR-72HR	48264	0	48264

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW12	100YR-1HR	27744	0	27744

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW12	100YR-24HR	75277	0	75277
9GW12	10YR-1HR	16981	0	16981
9GW12	10YR-24HR	46842	0	46842
9GW12	25YR-72HR	85101	0	85101

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW13	100YR-1HR	6626	0	6626
9GW13	100YR-24HR	18545	0	18545
9GW13	10YR-1HR	3914	0	3914
9GW13	10YR-24HR	11465	0	11465
9GW13	25YR-72HR	20698	0	20698

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW14	100YR-1HR	36275	0	36275
9GW14	100YR-24HR	102549	0	102549
9GW14	10YR-1HR	21591	0	21591
9GW14	10YR-24HR	63324	0	63324
9GW14	25YR-72HR	113954	0	113954

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW15	100YR-1HR	25110	0	25110
9GW15	100YR-24HR	53647	0	53647
9GW15	10YR-1HR	11650	0	11650
9GW15	10YR-24HR	30556	0	30556
9GW15	25YR-72HR	66915	0	66915

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW2	100YR-1HR	11719	0	11719
9GW2	100YR-24HR	24531	0	24531
9GW2	10YR-1HR	7059	0	7059

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW2	10YR-24HR	13921	0	13921
9GW2	25YR-72HR	24642	0	24642

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW3	100YR-1HR	21190	0	21190
9GW3	100YR-24HR	34410	0	34410
9GW3	10YR-1HR	10491	0	10491
9GW3	10YR-24HR	18667	0	18667
9GW3	25YR-72HR	42021	0	42021

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW4	100YR-1HR	63065	0	63065
9GW4	100YR-24HR	164404	0	164404
9GW4	10YR-1HR	27169	0	27169
9GW4	10YR-24HR	127056	0	127056
9GW4	25YR-72HR	231573	0	231573

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW5	100YR-1HR	21062	0	21062
9GW5	100YR-24HR	95128	0	95128
9GW5	10YR-1HR	14634	0	14634
9GW5	10YR-24HR	75572	0	75572
9GW5	25YR-72HR	114005	0	114005

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW6	100YR-1HR	109019	0	109019
9GW6	100YR-24HR	435642	0	435642
9GW6	10YR-1HR	82056	0	82056
9GW6	10YR-24HR	289142	0	289142
9GW6	25YR-72HR	392204	0	392204

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW7	100YR-1HR	36112	0	36112
9GW7	100YR-24HR	153838	0	153838
9GW7	10YR-1HR	27615	0	27615
9GW7	10YR-24HR	101177	0	101177
9GW7	25YR-72HR	165924	0	165924

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW8	100YR-1HR	59422	0	59422
9GW8	100YR-24HR	257760	0	257760
9GW8	10YR-1HR	45335	0	45335
9GW8	10YR-24HR	169833	0	169833
9GW8	25YR-72HR	274400	0	274400

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW9	100YR-1HR	40724	0	40724
9GW9	100YR-24HR	180193	0	180193
9GW9	10YR-1HR	29781	0	29781
9GW9	10YR-24HR	119806	0	119806
9GW9	25YR-72HR	181629	0	181629

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CANAL 1	100YR-1HR	34241	23	34218
CANAL 1	100YR-24HR	135798	28	135770
CANAL 1	10YR-1HR	15723	22	15701
CANAL 1	10YR-24HR	70725	40	70685
CANAL 1	25YR-72HR	156869	10926	145943

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CANAL 2	100YR-1HR	112464	5	112459

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CANAL 2	100YR-24HR	230909	1062	229847
CANAL 2	10YR-1HR	64100	4	64096
CANAL 2	10YR-24HR	65461	1440	64021
CANAL 2	25YR-72HR	188550	1973	186576

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX01	100YR-1HR	8086	8053	33
EX01	100YR-24HR	36308	35954	354
EX01	10YR-1HR	3869	3810	59
EX01	10YR-24HR	19873	19548	325
EX01	25YR-72HR	38394	38109	285

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX03	100YR-1HR	32126	32191	-65
EX03	100YR-24HR	120748	120708	40
EX03	10YR-1HR	18506	18562	-56
EX03	10YR-24HR	69779	69750	30
EX03	25YR-72HR	127284	127030	254

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX04	100YR-1HR	3476	3554	-78
EX04	100YR-24HR	23513	23573	-60
EX04	10YR-1HR	1224	1302	-78
EX04	10YR-24HR	11474	11542	-67
EX04	25YR-72HR	25094	25157	-63

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7AS01	100YR-1HR	78969	78966	3
EX7AS01	100YR-24HR	274996	274977	19
EX7AS01	10YR-1HR	47891	47880	11

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7AS01	10YR-24HR	164148	164128	19
EX7AS01	25YR-72HR	885707	885227	480

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7AS02	100YR-1HR	57869	57811	57
EX7AS02	100YR-24HR	182955	182899	56
EX7AS02	10YR-1HR	37350	37293	57
EX7AS02	10YR-24HR	112556	112500	56
EX7AS02	25YR-72HR	191786	191729	57

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7AS03	100YR-1HR	18029	18019	9
EX7AS03	100YR-24HR	74818	74805	13
EX7AS03	10YR-1HR	10187	10175	13
EX7AS03	10YR-24HR	41773	41759	13
EX7AS03	25YR-72HR	79064	79048	16

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7AS08	100YR-1HR	19244	19244	0
EX7AS08	100YR-24HR	61616	61616	0
EX7AS08	10YR-1HR	12360	12360	0
EX7AS08	10YR-24HR	37722	37723	0
EX7AS08	25YR-72HR	64618	64618	0

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7AS11	100YR-1HR	54364	54370	-6
EX7AS11	100YR-24HR	191156	190989	167
EX7AS11	10YR-1HR	33211	33216	-6
EX7AS11	10YR-24HR	116861	116715	146
EX7AS11	25YR-72HR	590221	589593	627

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S03	100YR-1HR	11002	10904	99
EX7S03	100YR-24HR	33905	33822	83
EX7S03	10YR-1HR	5185	5087	98
EX7S03	10YR-24HR	19079	18995	84
EX7S03	25YR-72HR	48743	48658	85

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S11	100YR-1HR	27125	27120	5
EX7S11	100YR-24HR	101375	101372	2
EX7S11	10YR-1HR	18651	18647	4
EX7S11	10YR-24HR	62786	62785	0
EX7S11	25YR-72HR	210345	210184	161

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S13	100YR-1HR	4584	4584	0
EX7S13	100YR-24HR	12442	12442	0
EX7S13	10YR-1HR	3126	3126	0
EX7S13	10YR-24HR	8145	8145	0
EX7S13	25YR-72HR	12970	12913	57

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S15	100YR-1HR	57933	57982	-49
EX7S15	100YR-24HR	122550	122416	134
EX7S15	10YR-1HR	26798	26887	-88
EX7S15	10YR-24HR	74837	74505	332
EX7S15	25YR-72HR	547405	538204	9201

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S16	100YR-1HR	37327	37327	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S16	100YR-24HR	112007	113675	-1667
EX7S16	10YR-1HR	18950	19080	-130
EX7S16	10YR-24HR	63798	65847	-2049
EX7S16	25YR-72HR	220630	228059	-7429

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S18	100YR-1HR	33663	33637	25
EX7S18	100YR-24HR	108863	107770	1093
EX7S18	10YR-1HR	17845	17744	101
EX7S18	10YR-24HR	58495	59085	-590
EX7S18	25YR-72HR	243885	240149	3736

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S1A	100YR-1HR	28296	28305	-10
EX7S1A	100YR-24HR	79916	79920	-3
EX7S1A	10YR-1HR	16602	16614	-12
EX7S1A	10YR-24HR	48913	48913	1
EX7S1A	25YR-72HR	88317	88315	2

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S22	100YR-1HR	32195	32195	1
EX7S22	100YR-24HR	68383	68605	-222
EX7S22	10YR-1HR	18137	18131	6
EX7S22	10YR-24HR	43813	44116	-303
EX7S22	25YR-72HR	390378	390453	-74

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S27	100YR-1HR	36342	36347	-4
EX7S27	100YR-24HR	125092	125091	1
EX7S27	10YR-1HR	23534	23540	-5

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S27	10YR-24HR	76435	76432	3
EX7S27	25YR-72HR	434663	434427	236

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S32	100YR-1HR	78048	78032	16
EX7S32	100YR-24HR	273525	273523	2
EX7S32	10YR-1HR	49810	49793	17
EX7S32	10YR-24HR	168284	168282	2
EX7S32	25YR-72HR	498535	498236	299

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S41	100YR-1HR	32301	32310	-9
EX7S41	100YR-24HR	113604	113603	1
EX7S41	10YR-1HR	21625	21635	-11
EX7S41	10YR-24HR	71374	71374	0
EX7S41	25YR-72HR	190786	190578	208

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S45	100YR-1HR	15869	15871	-1
EX7S45	100YR-24HR	68815	68817	-2
EX7S45	10YR-1HR	10822	10823	-1
EX7S45	10YR-24HR	43861	43863	-2
EX7S45	25YR-72HR	114790	114545	245

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S66	100YR-1HR	5407	5404	2
EX7S66	100YR-24HR	34358	34356	2
EX7S66	10YR-1HR	3074	3072	2
EX7S66	10YR-24HR	21988	21986	1
EX7S66	25YR-72HR	59439	59192	247

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S68	100YR-1HR	35476	35477	-1
EX7S68	100YR-24HR	139934	140016	-82
EX7S68	10YR-1HR	24455	24456	-1
EX7S68	10YR-24HR	84479	84553	-74
EX7S68	25YR-72HR	339544	339161	383

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S71	100YR-1HR	11722	11783	-61
EX7S71	100YR-24HR	48532	48583	-50
EX7S71	10YR-1HR	5113	5175	-62
EX7S71	10YR-24HR	28378	28449	-71
EX7S71	25YR-72HR	71413	71236	176

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S74	100YR-1HR	10219	10209	10
EX7S74	100YR-24HR	35011	35012	-1
EX7S74	10YR-1HR	3751	3740	10
EX7S74	10YR-24HR	18963	18963	0
EX7S74	25YR-72HR	48830	48839	-8

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S77	100YR-1HR	36398	36365	32
EX7S77	100YR-24HR	137207	137207	0
EX7S77	10YR-1HR	17869	17846	23
EX7S77	10YR-24HR	78549	78547	2
EX7S77	25YR-72HR	643007	642561	446

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S78	100YR-1HR	8777	8777	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S78	100YR-24HR	28256	28256	0
EX7S78	10YR-1HR	5343	5343	0
EX7S78	10YR-24HR	17507	17507	0
EX7S78	25YR-72HR	29582	29582	0

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S86	100YR-1HR	21654	21718	-64
EX7S86	100YR-24HR	124387	124387	0
EX7S86	10YR-1HR	10962	10997	-35
EX7S86	10YR-24HR	77790	77792	-2
EX7S86	25YR-72HR	323211	322700	511

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S8A	100YR-1HR	27496	27520	-24
EX7S8A	100YR-24HR	90941	90923	18
EX7S8A	10YR-1HR	17085	17107	-23
EX7S8A	10YR-24HR	56263	56245	18
EX7S8A	25YR-72HR	117015	116854	161

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S90	100YR-1HR	10215	10212	3
EX7S90	100YR-24HR	77202	77202	0
EX7S90	10YR-1HR	3891	3890	1
EX7S90	10YR-24HR	51390	51390	0
EX7S90	25YR-72HR	118872	118678	194

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S91	100YR-1HR	12166	12165	0
EX7S91	100YR-24HR	46417	46526	-109
EX7S91	10YR-1HR	9171	9172	-1

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S91	10YR-24HR	28445	28415	30
EX7S91	25YR-72HR	121580	121222	358

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S92	100YR-1HR	21645	21642	3
EX7S92	100YR-24HR	79238	79238	0
EX7S92	10YR-1HR	15386	15383	3
EX7S92	10YR-24HR	49210	49209	2
EX7S92	25YR-72HR	165130	165027	103

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S93	100YR-1HR	39634	39646	-11
EX7S93	100YR-24HR	143846	144508	-662
EX7S93	10YR-1HR	22872	22917	-45
EX7S93	10YR-24HR	81852	82031	-179
EX7S93	25YR-72HR	223443	222263	1180

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S94	100YR-1HR	29560	29563	-3
EX7S94	100YR-24HR	108021	108016	5
EX7S94	10YR-1HR	20604	20607	-3
EX7S94	10YR-24HR	67673	67670	3
EX7S94	25YR-72HR	206246	206133	114

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S97	100YR-1HR	36129	36107	21
EX7S97	100YR-24HR	143742	143731	11
EX7S97	10YR-1HR	20240	20221	19
EX7S97	10YR-24HR	81762	81753	9
EX7S97	25YR-72HR	151491	151207	284

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S01	100YR-1HR	80871	80806	65
EX8S01	100YR-24HR	245601	245613	-12
EX8S01	10YR-1HR	51496	51500	-4
EX8S01	10YR-24HR	156366	156376	-9
EX8S01	25YR-72HR	257959	257389	570

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S06	100YR-1HR	5204	5200	4
EX8S06	100YR-24HR	15599	15595	4
EX8S06	10YR-1HR	3500	3496	4
EX8S06	10YR-24HR	9726	9725	2
EX8S06	25YR-72HR	19797	19732	66

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S101	100YR-1HR	9808	9807	1
EX8S101	100YR-24HR	65684	65680	3
EX8S101	10YR-1HR	4639	4639	1
EX8S101	10YR-24HR	41985	41985	1
EX8S101	25YR-72HR	68279	68261	18

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S12	100YR-1HR	22775	22762	14
EX8S12	100YR-24HR	72434	72423	11
EX8S12	10YR-1HR	11424	11413	11
EX8S12	10YR-24HR	43334	43331	4
EX8S12	25YR-72HR	68336	68328	8

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S13	100YR-1HR	13446	13448	-2

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S13	100YR-24HR	51363	51365	-2
EX8S13	10YR-1HR	8256	8257	-2
EX8S13	10YR-24HR	32231	32232	-1
EX8S13	25YR-72HR	52947	52945	2

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S139D	100YR-1HR	25852	25855	-3
EX8S139D	100YR-24HR	68772	68773	-1
EX8S139D	10YR-1HR	14173	14176	-3
EX8S139D	10YR-24HR	44014	44014	-1
EX8S139D	25YR-72HR	79850	79003	847

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S15A	100YR-1HR	47106	47212	-107
EX8S15A	100YR-24HR	159829	159816	13
EX8S15A	10YR-1HR	31138	31127	11
EX8S15A	10YR-24HR	100035	100025	10
EX8S15A	25YR-72HR	167493	167096	397

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S16	100YR-1HR	22747	22762	-15
EX8S16	100YR-24HR	78081	78092	-11
EX8S16	10YR-1HR	17734	17748	-14
EX8S16	10YR-24HR	48359	48368	-9
EX8S16	25YR-72HR	92309	92247	62

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S17	100YR-1HR	28394	28388	6
EX8S17	100YR-24HR	80022	80018	4
EX8S17	10YR-1HR	20424	20423	2

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S17	10YR-24HR	48925	48922	3
EX8S17	25YR-72HR	100179	100078	101

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S21	100YR-1HR	20872	20856	16
EX8S21	100YR-24HR	37831	37828	3
EX8S21	10YR-1HR	12658	12634	25
EX8S21	10YR-24HR	25552	25549	3
EX8S21	25YR-72HR	49028	48958	70

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S25	100YR-1HR	25064	25095	-31
EX8S25	100YR-24HR	120179	120157	22
EX8S25	10YR-1HR	16096	16119	-22
EX8S25	10YR-24HR	74964	74948	16
EX8S25	25YR-72HR	103247	103004	244

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S26	100YR-1HR	15005	15006	0
EX8S26	100YR-24HR	93143	93143	0
EX8S26	10YR-1HR	9653	9654	-1
EX8S26	10YR-24HR	56375	56375	0
EX8S26	25YR-72HR	73928	73812	116

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S31A	100YR-1HR	53798	53835	-37
EX8S31A	100YR-24HR	192861	192852	9
EX8S31A	10YR-1HR	30935	30946	-12
EX8S31A	10YR-24HR	115287	115282	5
EX8S31A	25YR-72HR	189374	189165	208

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S40E1	100YR-1HR	33326	33326	0
EX8S40E1	100YR-24HR	90455	90455	0
EX8S40E1	10YR-1HR	22726	22726	0
EX8S40E1	10YR-24HR	59217	59217	0
EX8S40E1	25YR-72HR	94288	93691	596

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S40W1	100YR-1HR	16356	16356	0
EX8S40W1	100YR-24HR	52128	52128	0
EX8S40W1	10YR-1HR	11810	11811	0
EX8S40W1	10YR-24HR	32987	32987	0
EX8S40W1	25YR-72HR	50996	50907	88

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S40W2	100YR-1HR	17065	17064	1
EX8S40W2	100YR-24HR	58081	58080	0
EX8S40W2	10YR-1HR	13927	13926	1
EX8S40W2	10YR-24HR	37214	37214	0
EX8S40W2	25YR-72HR	51855	51763	92

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S40W3	100YR-1HR	21971	21682	288
EX8S40W3	100YR-24HR	57904	57844	60
EX8S40W3	10YR-1HR	14550	14343	207
EX8S40W3	10YR-24HR	37905	37905	0
EX8S40W3	25YR-72HR	60629	60538	91

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S40W4	100YR-1HR	17293	17447	-154

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S40W4	100YR-24HR	30875	30871	4
EX8S40W4	10YR-1HR	8241	8253	-13
EX8S40W4	10YR-24HR	21063	21063	0
EX8S40W4	25YR-72HR	43486	43323	163

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S40W5	100YR-1HR	7041	7040	1
EX8S40W5	100YR-24HR	15325	15324	1
EX8S40W5	10YR-1HR	3838	3838	1
EX8S40W5	10YR-24HR	10002	10002	0
EX8S40W5	25YR-72HR	18776	18689	87

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S40W6	100YR-1HR	29452	29449	2
EX8S40W6	100YR-24HR	64782	64782	0
EX8S40W6	10YR-1HR	16067	16067	0
EX8S40W6	10YR-24HR	42842	42842	0
EX8S40W6	25YR-72HR	76433	75890	542

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S40W7	100YR-1HR	12300	12300	0
EX8S40W7	100YR-24HR	25841	25841	0
EX8S40W7	10YR-1HR	6578	6580	-1
EX8S40W7	10YR-24HR	16916	16916	0
EX8S40W7	25YR-72HR	33057	32942	115

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S40W8	100YR-1HR	1940	1940	0
EX8S40W8	100YR-24HR	5264	5264	0
EX8S40W8	10YR-1HR	1323	1323	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S40W8	10YR-24HR	3446	3446	0
EX8S40W8	25YR-72HR	5487	5447	40

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S40W9	100YR-1HR	6808	6787	21
EX8S40W9	100YR-24HR	24210	24189	21
EX8S40W9	10YR-1HR	4050	4029	21
EX8S40W9	10YR-24HR	14382	14361	21
EX8S40W9	25YR-72HR	25443	25422	22

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S45	100YR-1HR	15782	15779	3
EX8S45	100YR-24HR	26143	26144	-1
EX8S45	10YR-1HR	9255	9263	-8
EX8S45	10YR-24HR	17151	17152	-1
EX8S45	25YR-72HR	33821	33468	352

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S47	100YR-1HR	11692	11703	-11
EX8S47	100YR-24HR	24727	24727	0
EX8S47	10YR-1HR	5949	5953	-4
EX8S47	10YR-24HR	15187	15187	0
EX8S47	25YR-72HR	30484	29794	690

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S49	100YR-1HR	23985	23998	-13
EX8S49	100YR-24HR	130488	130486	1
EX8S49	10YR-1HR	15925	15932	-7
EX8S49	10YR-24HR	78338	78337	1
EX8S49	25YR-72HR	112367	112092	275

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S54	100YR-1HR	14085	14085	0
EX8S54	100YR-24HR	52484	52484	0
EX8S54	10YR-1HR	8007	8007	0
EX8S54	10YR-24HR	30936	30936	0
EX8S54	25YR-72HR	48920	48846	74

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S56	100YR-1HR	7891	7901	-10
EX8S56	100YR-24HR	23447	23444	4
EX8S56	10YR-1HR	2599	2599	0
EX8S56	10YR-24HR	13440	13438	2
EX8S56	25YR-72HR	33373	32976	398

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S57	100YR-1HR	22708	22708	0
EX8S57	100YR-24HR	88477	88477	0
EX8S57	10YR-1HR	12281	12281	0
EX8S57	10YR-24HR	51384	51384	0
EX8S57	25YR-72HR	93069	92996	73

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S5A	100YR-1HR	6419	6420	-1
EX8S5A	100YR-24HR	18105	18105	0
EX8S5A	10YR-1HR	4249	4249	-1
EX8S5A	10YR-24HR	11751	11751	0
EX8S5A	25YR-72HR	20868	20806	62

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S67	100YR-1HR	8319	8450	-130

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S67	100YR-24HR	26652	26590	61
EX8S67	10YR-1HR	73	74	-1
EX8S67	10YR-24HR	398	401	-3
EX8S67	25YR-72HR	75412	75328	85

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S70	100YR-1HR	34464	34285	178
EX8S70	100YR-24HR	136211	136070	141
EX8S70	10YR-1HR	15761	15761	0
EX8S70	10YR-24HR	71106	71064	43
EX8S70	25YR-72HR	178814	178802	12

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S72A	100YR-1HR	14043	14037	6
EX8S72A	100YR-24HR	93682	93681	1
EX8S72A	10YR-1HR	5686	5681	5
EX8S72A	10YR-24HR	62628	62627	1
EX8S72A	25YR-72HR	99349	99217	131

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S74	100YR-1HR	42607	42599	8
EX8S74	100YR-24HR	177862	177848	14
EX8S74	10YR-1HR	23404	23395	9
EX8S74	10YR-24HR	114004	113991	13
EX8S74	25YR-72HR	172254	171922	332

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S81	100YR-1HR	54804	54820	-16
EX8S81	100YR-24HR	200616	200614	1
EX8S81	10YR-1HR	35488	35505	-17

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S81	10YR-24HR	131466	131466	0
EX8S81	25YR-72HR	196665	196305	360

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S83	100YR-1HR	17403	17398	5
EX8S83	100YR-24HR	52626	52627	-1
EX8S83	10YR-1HR	9114	9104	10
EX8S83	10YR-24HR	34587	34588	-1
EX8S83	25YR-72HR	66480	66227	253

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S85	100YR-1HR	15161	15138	23
EX8S85	100YR-24HR	71408	71405	3
EX8S85	10YR-1HR	6205	6183	22
EX8S85	10YR-24HR	45325	45323	2
EX8S85	25YR-72HR	80502	80167	335

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S85B	100YR-1HR	8541	8534	8
EX8S85B	100YR-24HR	54860	54859	1
EX8S85B	10YR-1HR	2540	2534	6
EX8S85B	10YR-24HR	35492	35492	1
EX8S85B	25YR-72HR	59628	59401	226

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S87	100YR-1HR	35100	35052	48
EX8S87	100YR-24HR	98081	98080	1
EX8S87	10YR-1HR	20327	20290	37
EX8S87	10YR-24HR	63190	63188	1
EX8S87	25YR-72HR	104027	103785	242

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S88	100YR-1HR	43636	43681	-45
EX8S88	100YR-24HR	115362	115358	4
EX8S88	10YR-1HR	26315	26347	-32
EX8S88	10YR-24HR	81211	81209	2
EX8S88	25YR-72HR	120973	120614	358

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S98	100YR-1HR	36643	36629	14
EX8S98	100YR-24HR	109946	109932	14
EX8S98	10YR-1HR	22403	22392	11
EX8S98	10YR-24HR	77357	77343	15
EX8S98	25YR-72HR	111060	111047	13

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S99	100YR-1HR	29561	29554	7
EX8S99	100YR-24HR	104328	104330	-2
EX8S99	10YR-1HR	18296	18292	5
EX8S99	10YR-24HR	67172	67173	-1
EX8S99	25YR-72HR	110114	109181	933

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S101	100YR-1HR	12500	12504	-4
EX9S101	100YR-24HR	35849	35871	-22
EX9S101	10YR-1HR	8345	8345	0
EX9S101	10YR-24HR	22956	22975	-18
EX9S101	25YR-72HR	37443	37466	-23

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S104	100YR-1HR	85272	85273	-1

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S104	100YR-24HR	251671	251668	3
EX9S104	10YR-1HR	54344	54345	-1
EX9S104	10YR-24HR	158215	158212	3
EX9S104	25YR-72HR	249212	248911	301

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S107	100YR-1HR	82446	82437	9
EX9S107	100YR-24HR	362568	362570	-2
EX9S107	10YR-1HR	56313	56305	9
EX9S107	10YR-24HR	228691	228693	-1
EX9S107	25YR-72HR	340611	340505	106

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S110	100YR-1HR	74333	74321	13
EX9S110	100YR-24HR	293532	293526	6
EX9S110	10YR-1HR	50827	50813	14
EX9S110	10YR-24HR	183887	183883	4
EX9S110	25YR-72HR	263504	263210	293

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S113	100YR-1HR	55892	55874	17
EX9S113	100YR-24HR	285320	285318	1
EX9S113	10YR-1HR	49637	49622	15
EX9S113	10YR-24HR	169551	169550	1
EX9S113	25YR-72HR	256572	256396	176

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S116	100YR-1HR	115326	115336	-10
EX9S116	100YR-24HR	376749	376752	-3
EX9S116	10YR-1HR	73485	73497	-12

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S116	10YR-24HR	219095	219097	-3
EX9S116	25YR-72HR	391965	391765	199

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S117	100YR-1HR	65226	65217	9
EX9S117	100YR-24HR	155976	155973	3
EX9S117	10YR-1HR	35153	35141	12
EX9S117	10YR-24HR	73460	73458	3
EX9S117	25YR-72HR	159301	159177	124

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S119	100YR-1HR	64188	64407	-219
EX9S119	100YR-24HR	180705	180690	14
EX9S119	10YR-1HR	28612	28758	-147
EX9S119	10YR-24HR	110693	110677	17
EX9S119	25YR-72HR	180207	179864	342

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S12	100YR-1HR	34324	33995	329
EX9S12	100YR-24HR	75366	74902	464
EX9S12	10YR-1HR	18102	17730	372
EX9S12	10YR-24HR	44583	44126	457
EX9S12	25YR-72HR	95106	94659	447

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S125	100YR-1HR	142414	142340	74
EX9S125	100YR-24HR	471437	471446	-10
EX9S125	10YR-1HR	85979	85931	48
EX9S125	10YR-24HR	288698	288714	-16
EX9S125	25YR-72HR	494102	493651	451

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S15	100YR-1HR	18297	17924	373
EX9S15	100YR-24HR	66072	65721	350
EX9S15	10YR-1HR	12086	11715	371
EX9S15	10YR-24HR	35767	35417	350
EX9S15	25YR-72HR	72047	71695	352

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S49	100YR-1HR	19561	19555	6
EX9S49	100YR-24HR	47501	47504	-2
EX9S49	10YR-1HR	10651	10655	-4
EX9S49	10YR-24HR	28110	28112	-1
EX9S49	25YR-72HR	59102	58930	171

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S55	100YR-1HR	12230	12221	9
EX9S55	100YR-24HR	25981	25979	2
EX9S55	10YR-1HR	5013	4997	16
EX9S55	10YR-24HR	15326	15324	1
EX9S55	25YR-72HR	40365	40210	155

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S57	100YR-1HR	14548	14541	7
EX9S57	100YR-24HR	24870	24869	1
EX9S57	10YR-1HR	4649	4645	4
EX9S57	10YR-24HR	13637	13637	0
EX9S57	25YR-72HR	42852	42749	103

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S58	100YR-1HR	23804	23766	38

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S58	100YR-24HR	39310	39303	7
EX9S58	10YR-1HR	9169	9170	0
EX9S58	10YR-24HR	21657	21652	6
EX9S58	25YR-72HR	60444	60331	113

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S63	100YR-1HR	11719	11719	0
EX9S63	100YR-24HR	24531	24531	0
EX9S63	10YR-1HR	7059	7059	0
EX9S63	10YR-24HR	13921	13921	0
EX9S63	25YR-72HR	24685	24642	43

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S69	100YR-1HR	21224	21190	34
EX9S69	100YR-24HR	34414	34410	4
EX9S69	10YR-1HR	10491	10491	1
EX9S69	10YR-24HR	18670	18667	3
EX9S69	25YR-72HR	42093	42021	72

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S79	100YR-1HR	63020	63065	-46
EX9S79	100YR-24HR	164407	164404	4
EX9S79	10YR-1HR	27169	27169	0
EX9S79	10YR-24HR	127060	127056	3
EX9S79	25YR-72HR	231799	231573	226

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S82	100YR-1HR	113825	113842	-17
EX9S82	100YR-24HR	231543	231540	3
EX9S82	10YR-1HR	64434	64449	-15

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S82	10YR-24HR	66171	66170	1
EX9S82	25YR-72HR	197130	197132	-3

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S85	100YR-1HR	21063	21062	1
EX9S85	100YR-24HR	95128	95128	0
EX9S85	10YR-1HR	14634	14634	0
EX9S85	10YR-24HR	75571	75572	0
EX9S85	25YR-72HR	114057	114005	52

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S87A	100YR-1HR	22202	22202	0
EX9S87A	100YR-24HR	42121	42121	0
EX9S87A	10YR-1HR	10440	10437	3
EX9S87A	10YR-24HR	24801	24801	0
EX9S87A	25YR-72HR	63971	63856	115

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S90	100YR-1HR	17535	17511	24
EX9S90	100YR-24HR	49299	49297	3
EX9S90	10YR-1HR	9991	9968	23
EX9S90	10YR-24HR	30332	30330	2
EX9S90	25YR-72HR	55091	54845	246

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S90A	100YR-1HR	14617	14618	-1
EX9S90A	100YR-24HR	24781	24781	0
EX9S90A	10YR-1HR	8197	8197	0
EX9S90A	10YR-24HR	16850	16851	0
EX9S90A	25YR-72HR	34050	33975	76

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S91A	100YR-1HR	37689	37690	-1
EX9S91A	100YR-24HR	85099	85099	0
EX9S91A	10YR-1HR	21701	21705	-4
EX9S91A	10YR-24HR	53762	53763	0
EX9S91A	25YR-72HR	105631	105388	243

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S94	100YR-1HR	14166	14166	0
EX9S94	100YR-24HR	37824	37824	0
EX9S94	10YR-1HR	8776	8777	0
EX9S94	10YR-24HR	23738	23738	0
EX9S94	25YR-72HR	42690	42524	166

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S96	100YR-1HR	21928	21909	19
EX9S96	100YR-24HR	68061	67907	154
EX9S96	10YR-1HR	14188	14173	15
EX9S96	10YR-24HR	42256	42111	145
EX9S96	25YR-72HR	71556	71090	466

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS7AS12+1	100YR-1HR	2475	2475	0
EXCS7AS12+1	100YR-24HR	1199	1199	0
EXCS7AS12+1	10YR-1HR	149	149	0
EXCS7AS12+1	10YR-24HR	367	367	0
EXCS7AS12+1	25YR-72HR	287002	286952	50

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS7AS12+2	100YR-1HR	2315	2315	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS7AS12+2	100YR-24HR	1162	1162	0
EXCS7AS12+2	10YR-1HR	0	0	0
EXCS7AS12+2	10YR-24HR	340	340	0
EXCS7AS12+2	25YR-72HR	287112	287112	0

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS7AS1B+1	100YR-1HR	6496	6496	0
EXCS7AS1B+1	100YR-24HR	3028	3028	0
EXCS7AS1B+1	10YR-1HR	147	147	0
EXCS7AS1B+1	10YR-24HR	781	781	0
EXCS7AS1B+1	25YR-72HR	620879	620829	50

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS7AS1B+2	100YR-1HR	6349	6349	0
EXCS7AS1B+2	100YR-24HR	2993	2992	0
EXCS7AS1B+2	10YR-1HR	0	0	0
EXCS7AS1B+2	10YR-24HR	752	752	0
EXCS7AS1B+2	25YR-72HR	620986	620986	0

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS7S69+1	100YR-1HR	57408	57367	40
EXCS7S69+1	100YR-24HR	131673	130160	1513
EXCS7S69+1	10YR-1HR	27341	27173	168
EXCS7S69+1	10YR-24HR	81795	78939	2856
EXCS7S69+1	25YR-72HR	816505	822589	-6084

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS7S69+2	100YR-1HR	23970	23970	0
EXCS7S69+2	100YR-24HR	5443	5444	-1
EXCS7S69+2	10YR-1HR	4247	4247	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS7S69+2	10YR-24HR	1241	1241	0
EXCS7S69+2	25YR-72HR	729387	729347	39

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS7S76+1	100YR-1HR	10219	10214	5
EXCS7S76+1	100YR-24HR	35129	35173	-43
EXCS7S76+1	10YR-1HR	3750	3748	2
EXCS7S76+1	10YR-24HR	19130	19147	-18
EXCS7S76+1	25YR-72HR	562879	562779	100

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS7S76+2	100YR-1HR	0	0	0
EXCS7S76+2	100YR-24HR	1013	1013	0
EXCS7S76+2	10YR-1HR	0	0	0
EXCS7S76+2	10YR-24HR	320	320	0
EXCS7S76+2	25YR-72HR	543227	543227	0

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS8S66	100YR-1HR	8239	8275	-36
EXCS8S66	100YR-24HR	26279	26435	-157
EXCS8S66	10YR-1HR	35	35	1
EXCS8S66	10YR-24HR	139	135	4
EXCS8S66	25YR-72HR	75040	75104	-64

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS9S118+1	100YR-1HR	46262	46262	0
EXCS9S118+1	100YR-24HR	68461	68461	0
EXCS9S118+1	10YR-1HR	21469	21468	0
EXCS9S118+1	10YR-24HR	14733	14733	1
EXCS9S118+1	25YR-72HR	75013	74962	51

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS9S118+2	100YR-1HR	46588	46580	8
EXCS9S118+2	100YR-24HR	75423	75421	1
EXCS9S118+2	10YR-1HR	21520	21513	7
EXCS9S118+2	10YR-24HR	16033	16032	1
EXCS9S118+2	25YR-72HR	78187	78185	3

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS9S118+3	100YR-1HR	13884	13884	0
EXCS9S118+3	100YR-24HR	6796	6796	0
EXCS9S118+3	10YR-1HR	2715	2715	0
EXCS9S118+3	10YR-24HR	1098	1098	0
EXCS9S118+3	25YR-72HR	14165	14111	53

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS9S129+1	100YR-1HR	5857	5857	0
EXCS9S129+1	100YR-24HR	1632	1632	0
EXCS9S129+1	10YR-1HR	2397	2397	0
EXCS9S129+1	10YR-24HR	158	158	0
EXCS9S129+1	25YR-72HR	9680	9632	48

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS9S129+2	100YR-1HR	5909	5884	25
EXCS9S129+2	100YR-24HR	1676	1651	25
EXCS9S129+2	10YR-1HR	2466	2441	25
EXCS9S129+2	10YR-24HR	159	134	25
EXCS9S129+2	25YR-72HR	9999	9947	52

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS9S139C+1	100YR-1HR	9716	9715	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS9S139C+1	100YR-24HR	2185	2185	1
EXCS9S139C+1	10YR-1HR	2641	2640	0
EXCS9S139C+1	10YR-24HR	164	163	1
EXCS9S139C+1	25YR-72HR	22196	22143	53

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS9S139C+2	100YR-1HR	9904	9901	3
EXCS9S139C+2	100YR-24HR	2392	2391	1
EXCS9S139C+2	10YR-1HR	2855	2852	3
EXCS9S139C+2	10YR-24HR	331	330	1
EXCS9S139C+2	25YR-72HR	22416	22339	77

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS9S80	100YR-1HR	43312	43312	0
EXCS9S80	100YR-24HR	74470	74470	0
EXCS9S80	10YR-1HR	21427	21427	0
EXCS9S80	10YR-24HR	12720	12720	0
EXCS9S80	25YR-72HR	66072	66072	0

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS9S80A	100YR-1HR	38320	38320	0
EXCS9S80A	100YR-24HR	80590	80590	0
EXCS9S80A	10YR-1HR	24108	24108	0
EXCS9S80A	10YR-24HR	35980	35979	0
EXCS9S80A	25YR-72HR	69653	69651	2

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PATRICIA LAKE	100YR-1HR	12665	5	12660
PATRICIA LAKE	100YR-24HR	45721	124	45597
PATRICIA LAKE	10YR-1HR	2225	0	2225

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PATRICIA LAKE	10YR-24HR	21603	125	21478
PATRICIA LAKE	25YR-72HR	69649	597085	-527436

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 7AB	100YR-1HR	21018	21005	13
POND 7AB	100YR-24HR	91949	91938	11
POND 7AB	10YR-1HR	10463	10451	13
POND 7AB	10YR-24HR	51504	51493	11
POND 7AB	25YR-72HR	97051	97040	11

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 7W1	100YR-1HR	17370	17367	3
POND 7W1	100YR-24HR	74654	74651	2
POND 7W1	10YR-1HR	8752	8750	3
POND 7W1	10YR-24HR	42060	42058	2
POND 7W1	25YR-72HR	78759	78756	2

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 8E1	100YR-1HR	63805	54791	9014
POND 8E1	100YR-24HR	204222	195386	8836
POND 8E1	10YR-1HR	32924	24319	8605
POND 8E1	10YR-24HR	118374	109593	8781
POND 8E1	25YR-72HR	238470	229692	8778

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 8E2	100YR-1HR	45723	45722	0
POND 8E2	100YR-24HR	149848	149848	0
POND 8E2	10YR-1HR	28541	28541	0
POND 8E2	10YR-24HR	91483	91483	0
POND 8E2	25YR-72HR	157137	157137	0

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 9E2	100YR-1HR	35480	35522	-42
POND 9E2	100YR-24HR	63838	63838	0
POND 9E2	10YR-1HR	16228	16228	0
POND 9E2	10YR-24HR	35576	35575	1
POND 9E2	25YR-72HR	85124	85127	-4

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 9E3	100YR-1HR	53691	53777	-87
POND 9E3	100YR-24HR	84335	84322	12
POND 9E3	10YR-1HR	25315	25303	12
POND 9E3	10YR-24HR	46715	46706	9
POND 9E3	25YR-72HR	112462	112469	-7

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 9E4	100YR-1HR	52666	52597	69
POND 9E4	100YR-24HR	112201	112126	75
POND 9E4	10YR-1HR	29244	29179	64
POND 9E4	10YR-24HR	71774	71697	77
POND 9E4	25YR-72HR	139501	139393	109

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 9E5	100YR-1HR	108363	107600	763
POND 9E5	100YR-24HR	240387	239516	870
POND 9E5	10YR-1HR	49796	48976	820
POND 9E5	10YR-24HR	141214	140345	869
POND 9E5	25YR-72HR	297392	296528	864

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 9E6	100YR-1HR	59379	59372	7

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 9E6	100YR-24HR	175647	175638	9
POND 9E6	10YR-1HR	38739	38731	8
POND 9E6	10YR-24HR	111463	111454	9
POND 9E6	25YR-72HR	183580	183560	20

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 9W1	100YR-1HR	6431	6431	0
POND 9W1	100YR-24HR	28592	28591	0
POND 9W1	10YR-1HR	3167	3166	0
POND 9W1	10YR-24HR	15931	15931	0
POND 9W1	25YR-72HR	30191	30191	0

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 9W2	100YR-1HR	77064	77064	0
POND 9W2	100YR-24HR	261740	261740	0
POND 9W2	10YR-1HR	45667	45667	0
POND 9W2	10YR-24HR	159004	159004	0
POND 9W2	25YR-72HR	274496	274496	0

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 9W3	100YR-1HR	100025	99877	148
POND 9W3	100YR-24HR	307635	307639	-4
POND 9W3	10YR-1HR	55727	55751	-24
POND 9W3	10YR-24HR	180703	180706	-3
POND 9W3	25YR-72HR	322506	322357	149

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 9W4	100YR-1HR	109599	109599	0
POND 9W4	100YR-24HR	344021	344021	0
POND 9W4	10YR-1HR	62379	62379	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 9W4	10YR-24HR	211125	211125	0
POND 9W4	25YR-72HR	364481	364481	0

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 9W5	100YR-1HR	142414	142414	0
POND 9W5	100YR-24HR	471430	471429	0
POND 9W5	10YR-1HR	85980	85979	1
POND 9W5	10YR-24HR	288691	288691	0
POND 9W5	25YR-72HR	494098	494098	0

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 7W1	100YR-1HR	1339	0	1339
SWALE 7W1	100YR-24HR	7324	464	6860
SWALE 7W1	10YR-1HR	566	0	566
SWALE 7W1	10YR-24HR	3816	0	3816
SWALE 7W1	25YR-72HR	7775	915	6860

Node Mass Balance Condensed [Pre-Development]

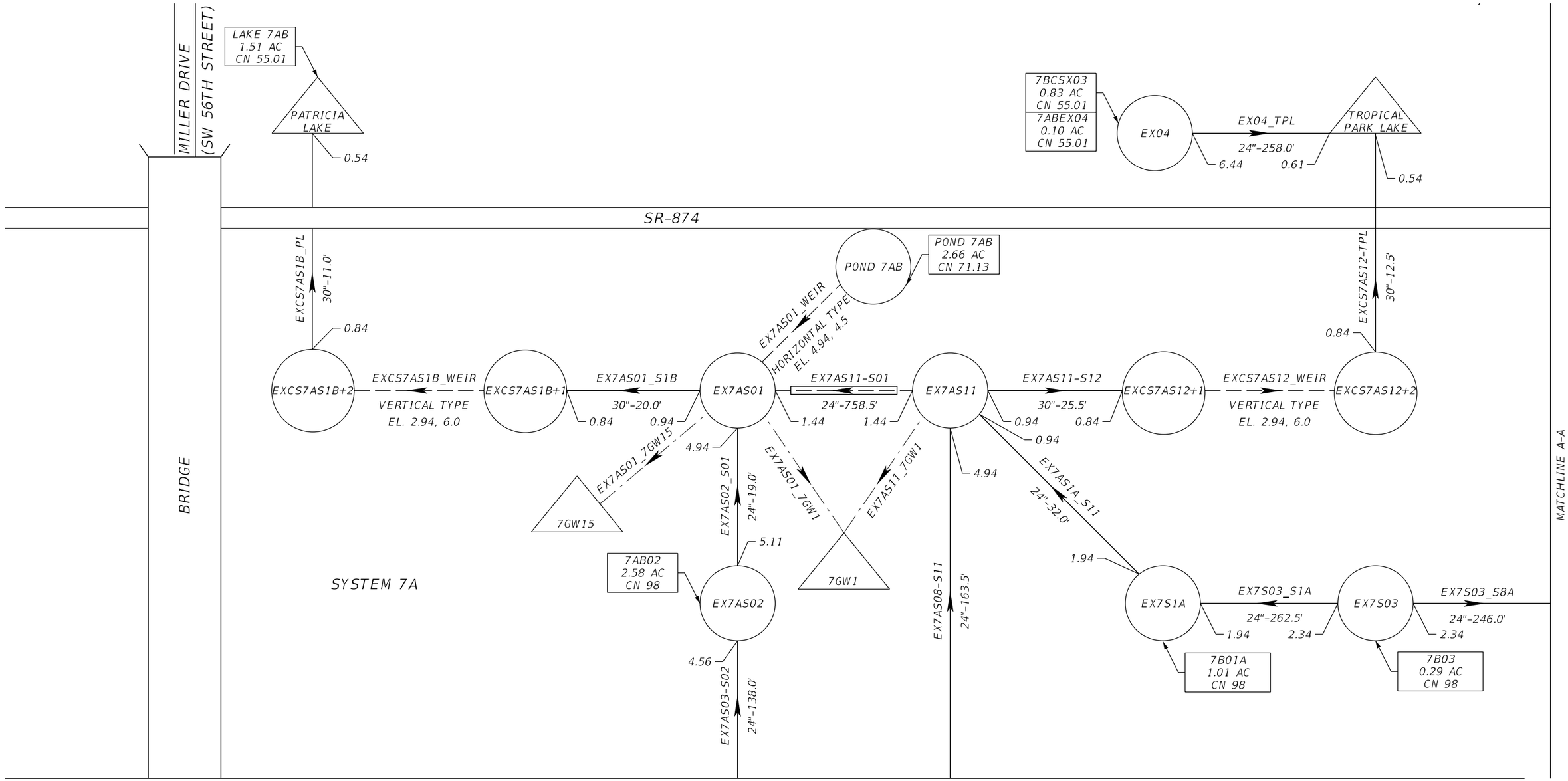
Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 8E1	100YR-1HR	22501	22501	0
SWALE 8E1	100YR-24HR	88317	88317	0
SWALE 8E1	10YR-1HR	12077	12077	0
SWALE 8E1	10YR-24HR	51235	51235	0
SWALE 8E1	25YR-72HR	92956	92956	0

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 8W1	100YR-1HR	21505	21505	0
SWALE 8W1	100YR-24HR	84931	84931	0
SWALE 8W1	10YR-1HR	11466	11466	0
SWALE 8W1	10YR-24HR	49201	49201	0
SWALE 8W1	25YR-72HR	89400	89400	0

Node Mass Balance Condensed [Pre-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
TROPICAL PARK LAKE	100YR-1HR	29840	3	29836
TROPICAL PARK LAKE	100YR-24HR	31191	388	30803
TROPICAL PARK LAKE	10YR-1HR	5549	12	5537
TROPICAL PARK LAKE	10YR-24HR	13443	393	13050
TROPICAL PARK LAKE	25YR-72HR	108442	1476900	-1368458



LEGEND

B-### #.## AC CN ##.# — CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER	NODE NAME — BOUNDARY NODE WITH CONSTANT TAILWATER	###-### ##"-###' #.## #.## — EXFILTRATION TRENCH LINK WITH SIZE-LENGTH INVERT ELEVATION	####_WEIR VERTICAL TYPE EL. #.##, ## — WEIR LINK WITH WEIR TYPE ELEVATION, WIDTH	###### CHANNEL ###' #.## #.## — CHANNEL LINK WITH LENGTH INVERT ELEVATION
#-### — NODE NAME	PATRICIA LAKE — BOUNDARY NODE WITH VARIABLE TAILWATER	###-### (#)##"-###' #.## #.## — PIPE LINK WITH (QUANTITY)SIZE-LENGTH INVERT ELEVATION	##_## — RATING CURVE LINK	

N.T.S.

1 OF 11

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DATE	DESCRIPTION	DATE	DESCRIPTION

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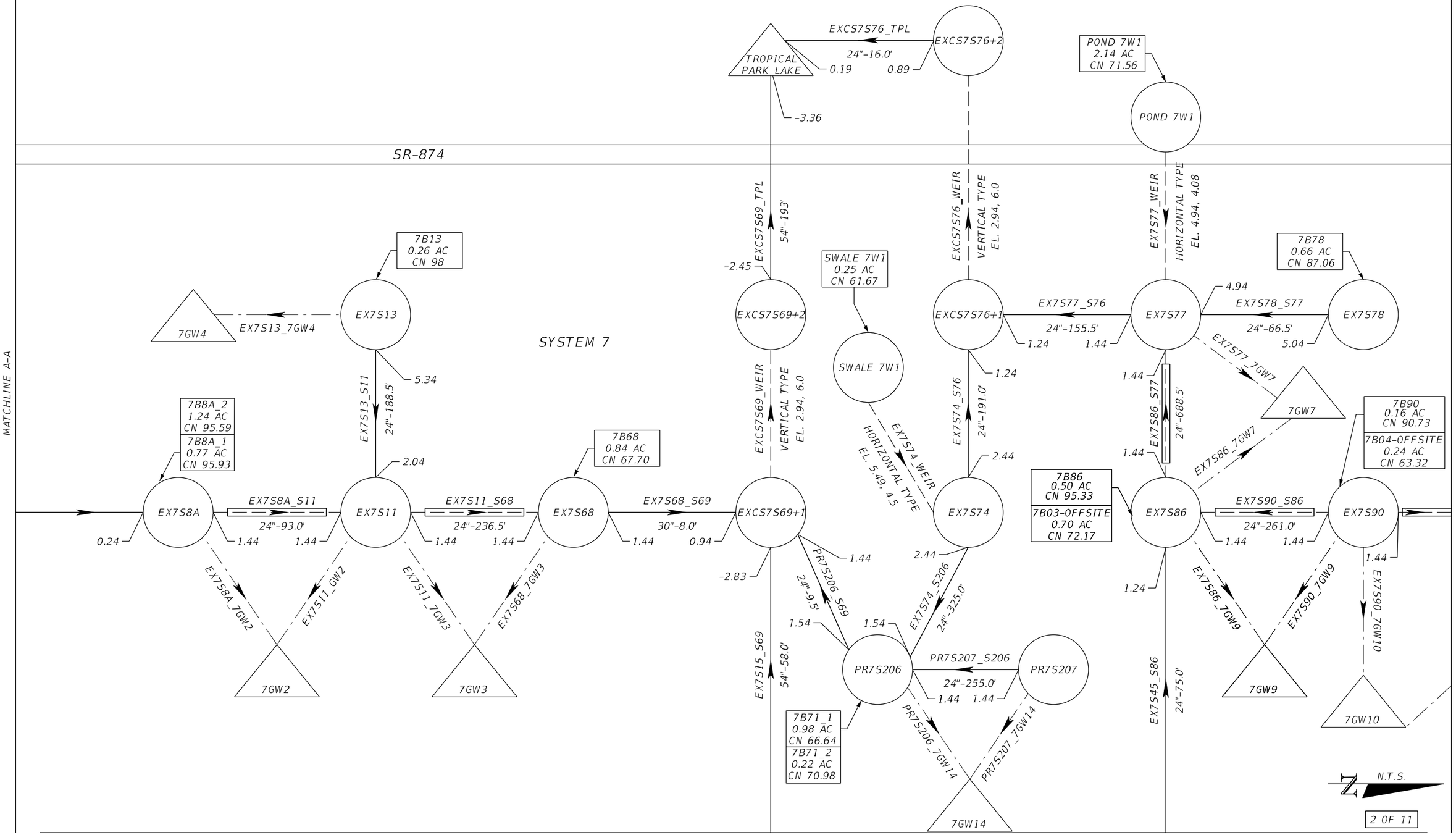
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-1



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SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

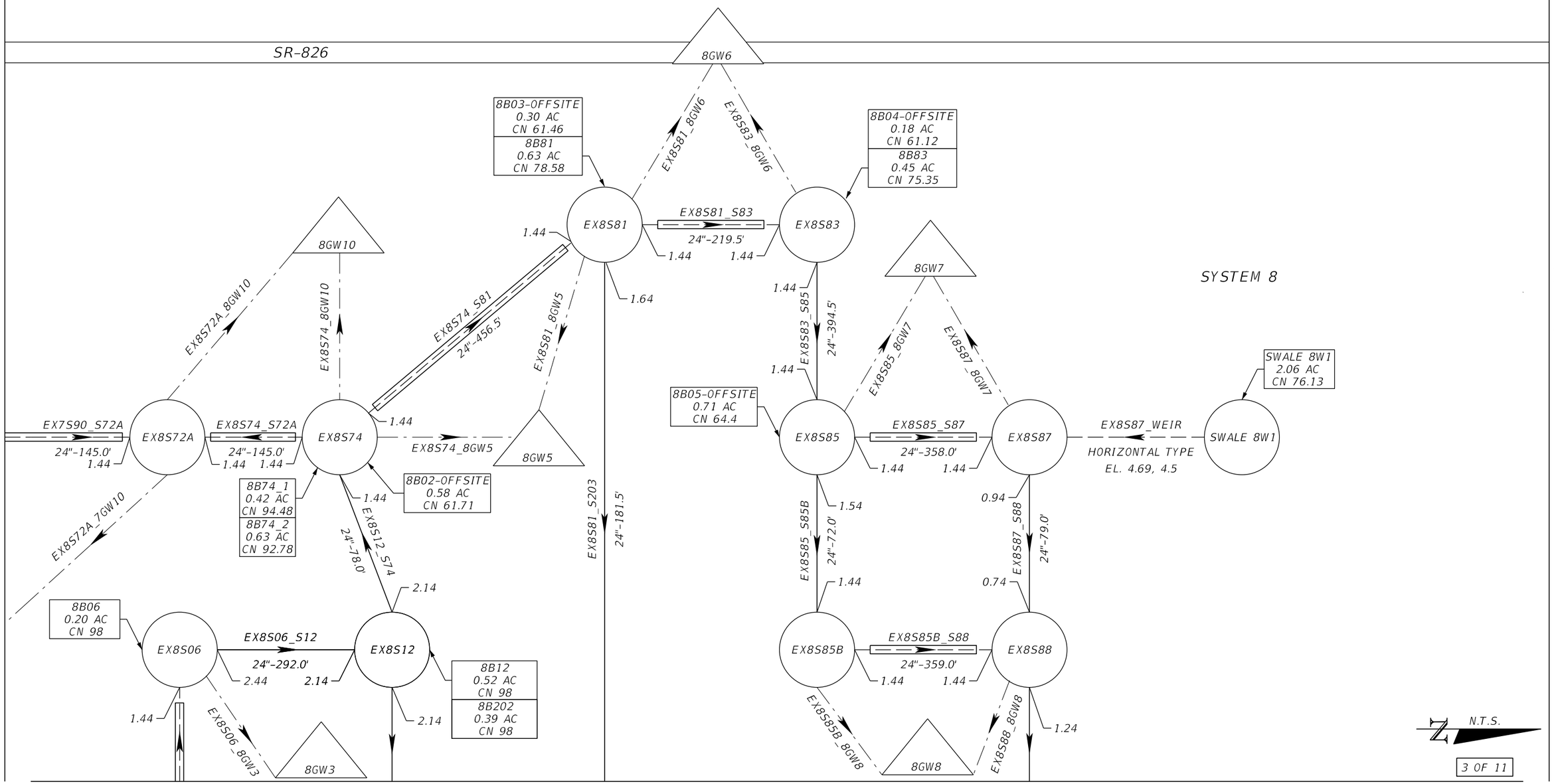
SHEET NO. NL-2

SR-826

MATCHLINE B-B

MATCHLINE C-C

SYSTEM 8



MATCHLINE H-H

3 OF 11

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SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-3

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MATCHLINE C-C

MATCHLINE D-D

8GW11

EX8S40W1_8GW11

EX8S40W2_8GW11

8B40W1
0.71 AC
CN 98
8B40W1_OFFSITE
0.39 AC
CN 66.52

EX8S40W1

EX8S40W1_W2
24"-159.0'

EX8S40W2

8B40W2
0.65 AC
CN 98

1.44

1.44

3.08

EX8S40W2_W3
18"-115.0'

SYSTEM 8

2.94

EX8S40W5

8B40W5
0.12 AC
CN 98

EX8S40W3

8B40W3
1.21 AC
CN 98

EX8S40W5_8GW12

1.44

2.94

EX8S40W5_W7
24"-155.0'

EX8S40W3_W4
18"-335.0'

8GW12

EX8S40W7_8GW12

1.44

2.94

BIRD ROAD
(SW 40TH STREET)

BRIDGE

EX8S40W7

EX8S40W4

8B40W7
0.43 AC
CN 98

1.44

3.08

EX8S40W4_8GW13

1.44

EX8S40W8_W7
18"-108.0'

EX8S40W7_W6
18"-110.0'

EX8S40W4_W6
36"x36"-225.0'

8GW13

1.54

1.44

3.31

EX8S40W6_8GW13

8B40W6
1.17 AC
CN 98

EX8S40W8

EX8S40W6

EX8S40W6_8GW13

8B40W8
0.11 AC
CN 98

1.44

8GW14

BIRD ROAD
(SW 40TH STREET)

BRIDGE

MATCHLINE I-I

9GW14

EX9S90_9GW14

EX9S96_9GW14

POND 9W1
0.79 AC
CN 68.71

9B101_2
0.49 AC
CN 98

POND 9W1

EX9S90_WEIR
HORIZONTAL TYPE
EL. 5.44, 4.08

EX9S90

EX9S96_S90
24"-408.0'

EX9S96

EX9S101_S96
24"-315.5

EX9S101

1.44

1.44

1.44

1.94

6.24

9B96
0.51 AC
CN 98
9B01-OFFSITE
0.44 AC
CN 58.61

1.44

EX9S90A_S90
24"-34.5'

SYSTEM 9

1.34

EX9S90A

EX9S90A_9GW13

9GW13

9GW11

1.34

9B87A_2
0.27 AC
CN 67.36
9B87A_1
0.73 AC
CN 55.01

EX9S87A_9GW11

EX9S91A_9W11

PR9S201_S90A
24"-64.0'

1.24

EX9S87A

EX9S87A_S201
24"-165.5'

PR9S201

EX9S94_S201
24"-290.0'

EX9S94

SR-826

1.44

1.44

1.44

1.44

1.44

9B91A
0.46 AC
CN 98
9B201
0.44 AC
CN 98
9B202
0.47 AC
CN 98

EX9S91A_9W12

EX9S94_9W12

9B94_1
0.49 AC
CN 98

9GW12

N.T.S.

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SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-4

MATCHLINE D-D

SYSTEM 9

POND 9W2_1
0.83 AC
CN 59.88

POND 9W2_2
0.68 AC
CN 98

POND 9W2_3
0.39 AC
CN 98

9B02-OFFSITE
0.21 AC
CN 55.01

9B03-OFFSITE
5.73 AC
CN 85.95

POND 9W2

PR9S212_WEIR
HORIZONTAL TYPE
EL. 2.44, 4.08

9B04-OFFSITE
6.38 AC
CN 85.95

9GW16

PR9S207_9GW16

PR9S208_9GW16

9GW7

EX9S107_9GW7

PR9S212

PR9S212_S205
24"-125.0'
1.64
1.44

PR9S205

PR9S205_S206
24"-148.0'
1.54 1.54

PR9S206

PR9S206_S207
24"-243.0'
1.44 1.44

PR9S207

PR9S207_S208
24"-204.0'
1.44 1.44

PR9S208

PR9S208_S209
24-10.0'
1.44 1.44

PRCS9S209+1

MATCHLINE E-E

PR9212_9GW19

1.84

9GW19

9B110
0.97 AC
CN 98

9B210
0.86 AC
CN 98

5.44

SR-826

9GW6

	9B206 0.49 AC CN 98
9B203 0.46 AC CN 98	9B207 0.28 AC CN 98
9B204 0.49 AC CN 98	9B208 0.30 AC CN 98
9B205 0.46 AC CN 98	9B104 0.64 AC CN 98

EX9S104_9GW6

EX9S110_9GW6

PR9S204_S212
24"-104.0'

1.44

PR9S206_PND9E5
24"-286.0'

PR9S202

PR9S202_S204
24"-484.0'
1.44

PR9S204
1.44

2.74

N.T.S.

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MATCHLINE J-J

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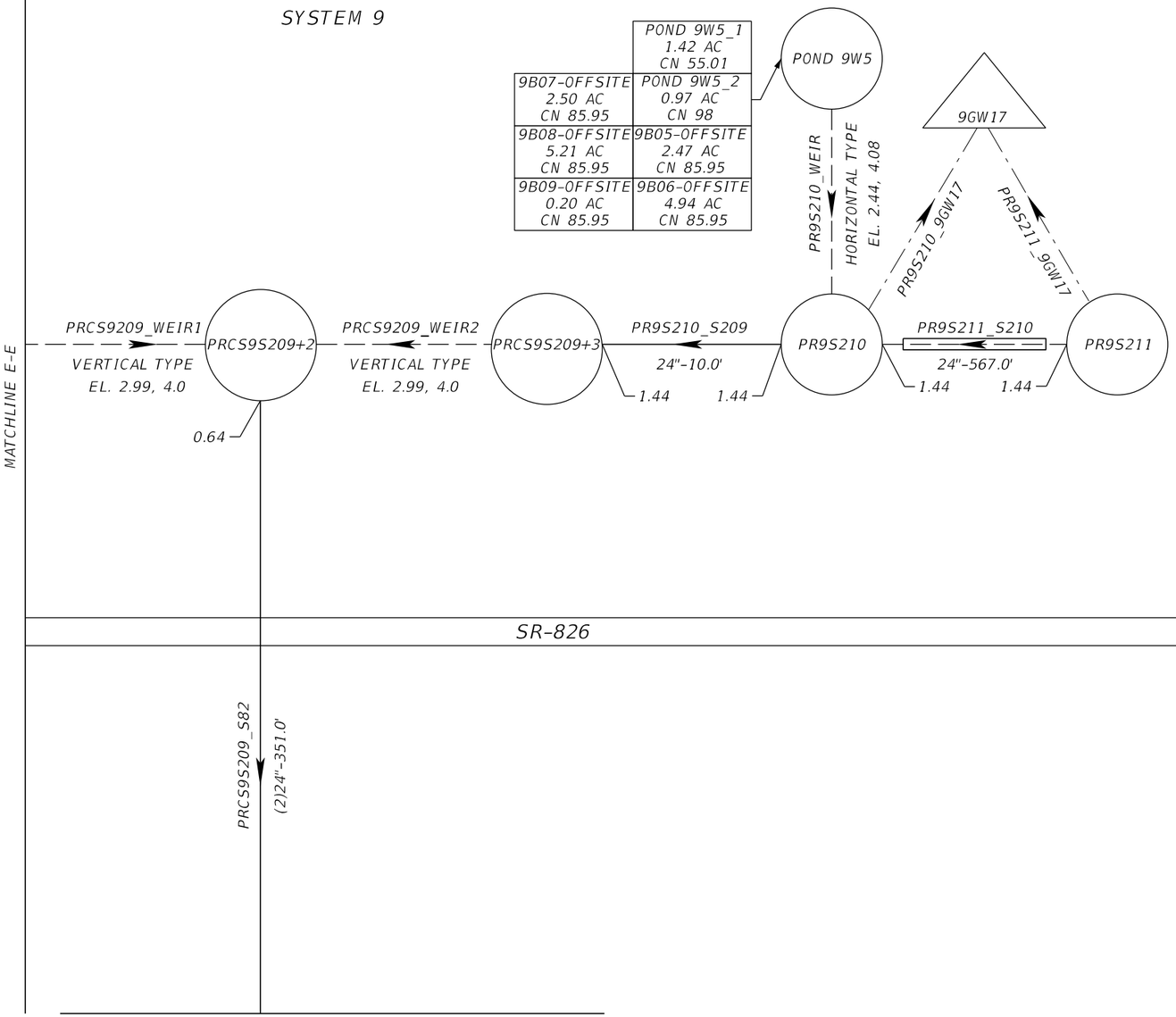
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO.
NL-5

SYSTEM 9



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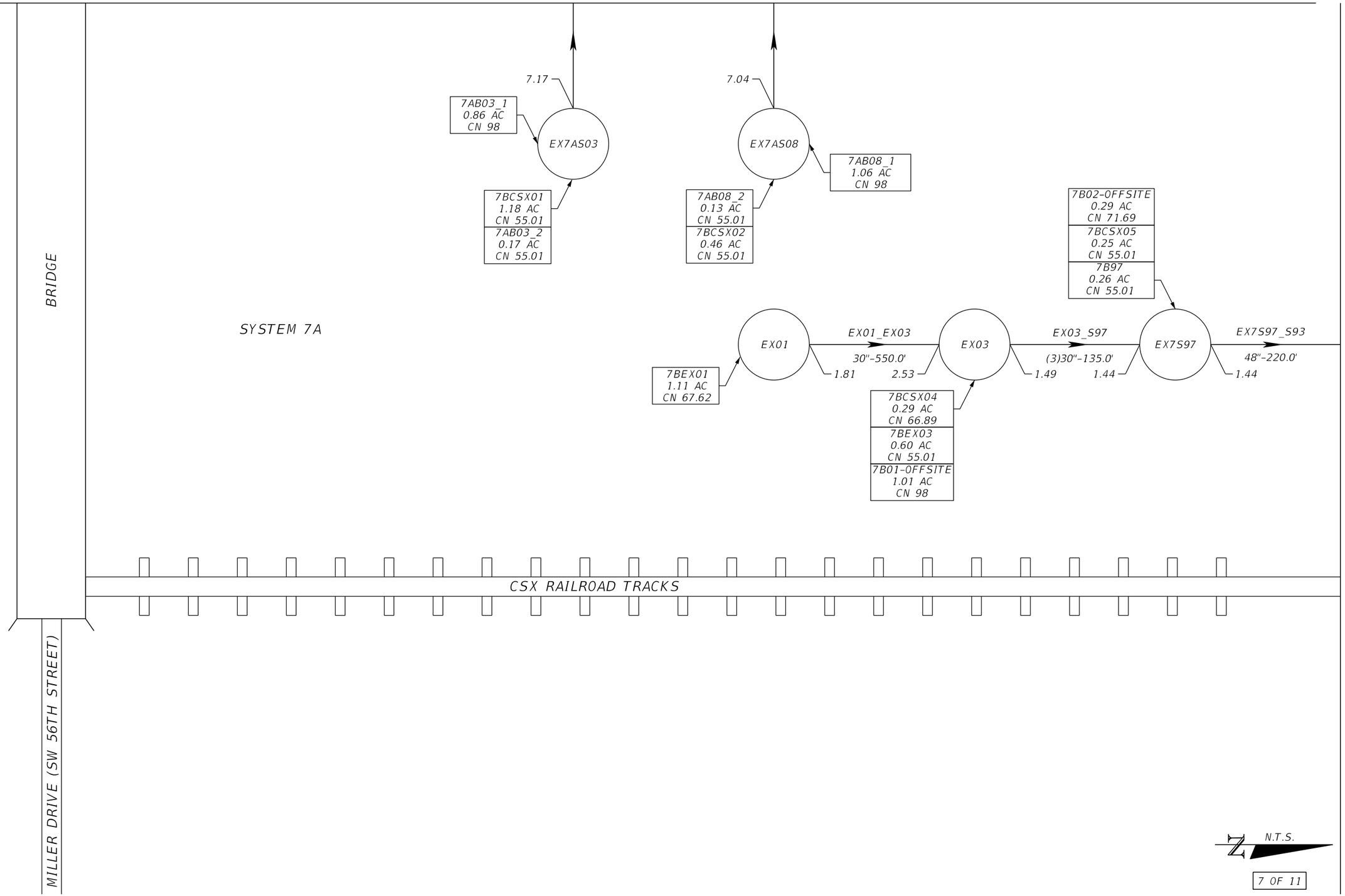
POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO.
NL-6

MATCHLINE F-F

BRIDGE

SYSTEM 7A



MATCHLINE L-L

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SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

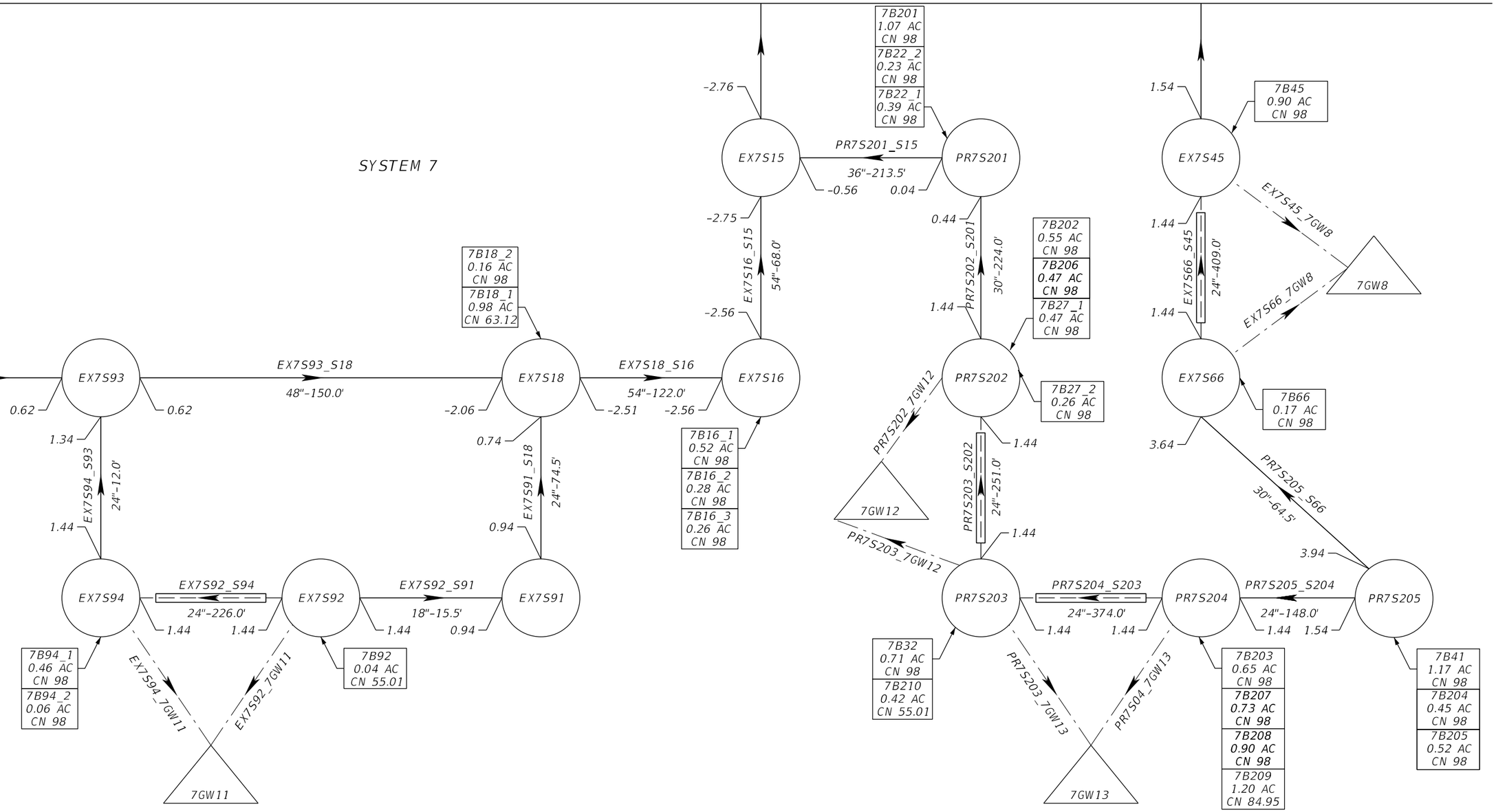
SHEET NO. NL-7

MATCHLINE G-G

MATCHLINE L-L

MATCHLINE M-M

SYSTEM 7



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SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

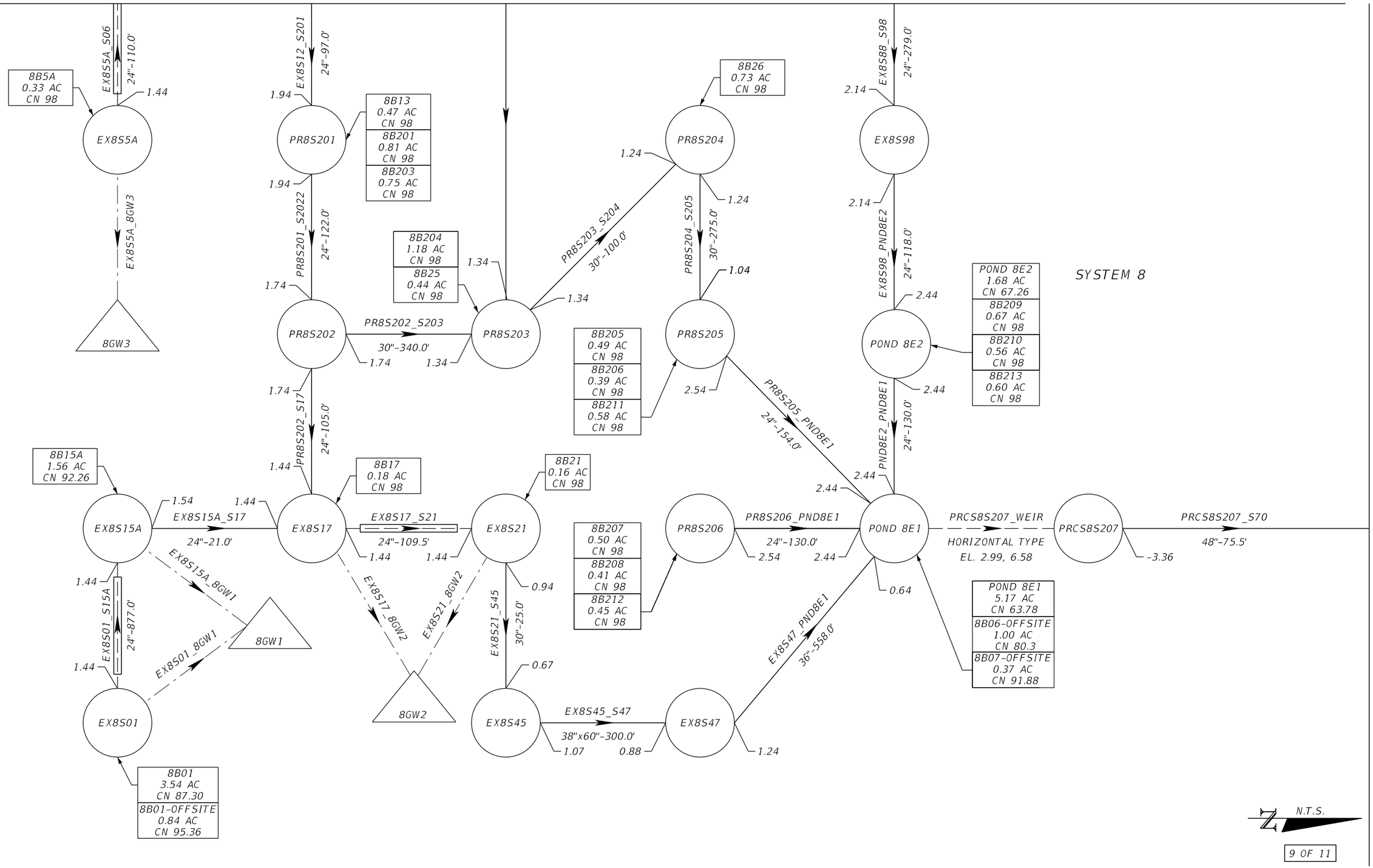
SHEET NO. NL-8

MATCHLINE H-H

MATCHLINE M-M

MATCHLINE N-N

SYSTEM 8



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REVISIONS			
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POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO.
NL-9

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MATCHLINE I-I

MATCHLINE N-N

MATCHLINE O-O

8B40W9
0.23 AC
CN 98

8B40W9-OFFSITE
0.41 AC
CN 66.72

EX8S40W9

EX8S40W9_S139D
18"-78.0'
4.54
4.75

EX8S139D

EX8S40W6_S139D
36"x36"-369.0'
1.44

8GW14

EX8S139D_8GW14

EXCS9S139C_S139D
36"-157.0'
1.44
1.44

EXCS9S139C+2

EXCS9S139C_WEIR
VERTICAL TYPE
EL. 2.99, 4.0

EXCS9S139C+1

EX9S87A_S139C
36"-65.0'
1.44

EX8S139D_8GW15

8GW15

EX8S139D_S99
36"x36"-512.0'
1.44

EX8S99_8GW15

SYSTEM 8

EX8S101

EX8S99_8S101
18"-105.0'
2.12
2.44

EX8S99

EXCS9S129_8S99
24"-46.5'
1.69
1.09

EXCS9S129+2

EXCS9S129_WEIR
VERTICAL TYPE
EL. 2.99, 4.0

EXCS9S129+1

EX9S49_S129
30"-20.0'
0.84
0.94

EX9S49

EX9S55_S49
24"-289.5'
1.44
1.44

EX9S55

9GW15

EX9S49_9GW15

EX9S55_9GW15

9B49_1
0.59 AC
CN 94.75

9B49_2
0.69 AC
CN 83.23

9B49_3
0.03 AC
CN 55.01

1.77

EX8S101_S70
24"-270.0'
-3.56

EX8S70

-3.56

-3.56

1.44

EX8S40E1_S99
36"x36"-584.0'
1.44

EX8S40E1

EX8S99_8GW16

8GW16

EX8S40E1_8GW16

8B40E1
2.04 AC
CN 98

1.44

EX9S57_S55
24"-30.0'
1.64

2.34

EX9S57

EX9S58_S57
24"-172.5'
1.44
1.44

EX9S58

9B57
0.12 AC
CN 55.01

9B10-OFFSITE
0.03 AC
CN 55.01

EX9S57_9GW1

EX9S58_9GW1

9GW1

BIRD ROAD
(SW 40TH STREET)

SW 75TH AVENUE

SYSTEM 9

EX8S70_CANAL1
54"-1600.0'

-4.16

CANAL 1

N.T.S.

10 OF 11

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POST-DEVELOPMENT NODE-LINK DIAGRAM

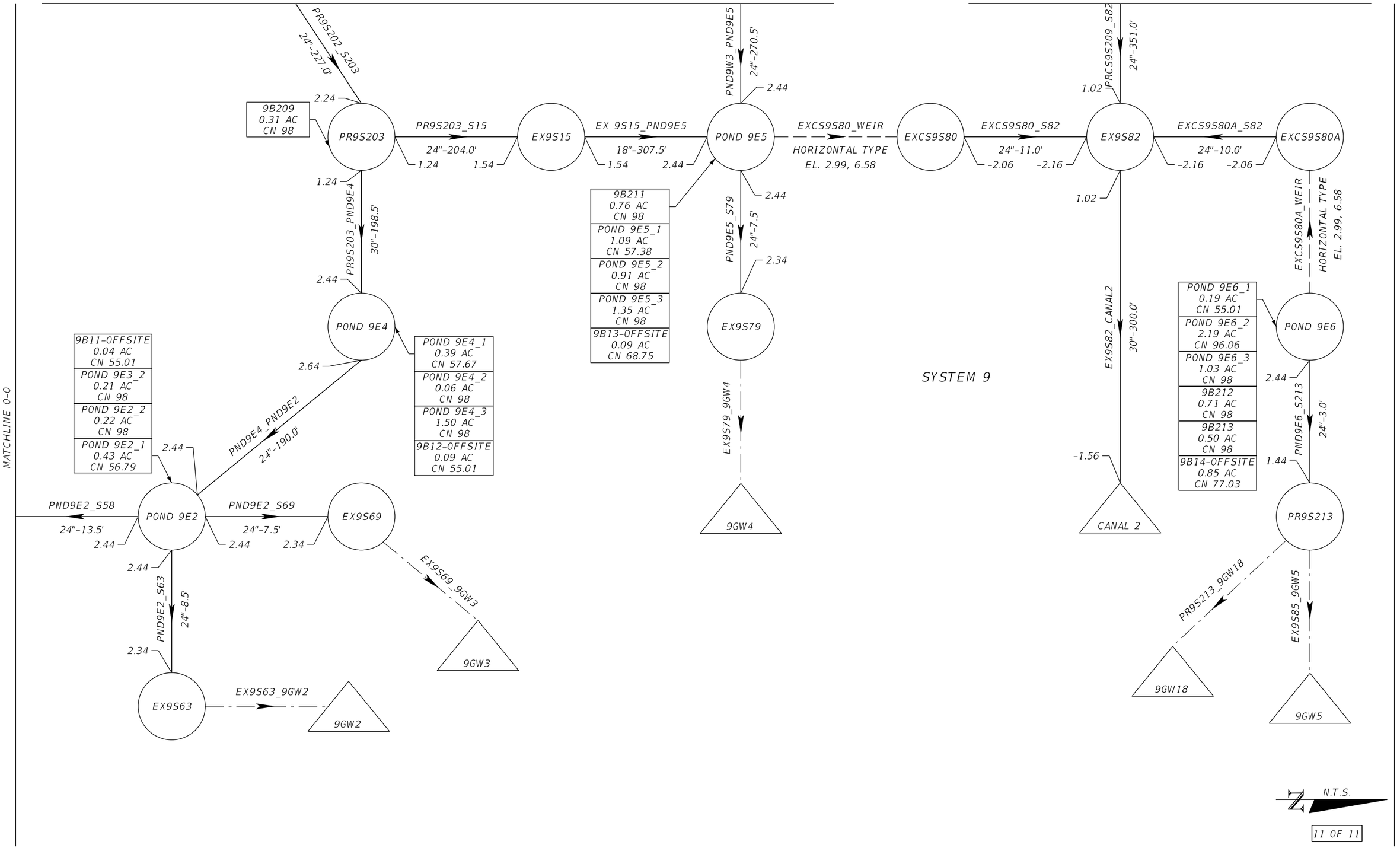
SHEET NO.
NL-10

MATCHLINE J-J

MATCHLINE K-K

MATCHLINE O-O

MATCHLINE P-P



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POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-11

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Simple Basin: 7AB02

Scenario:	Post-Development
Node:	EX7AS02
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.5800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7AB03_1

Scenario:	Post-Development
Node:	EX7AS03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7AB03_2

Scenario:	Post-Development
Node:	EX7AS03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1700 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7AB08_1

Scenario:	Post-Development
Node:	EX7AS08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7AB08_2

Scenario:	Post-Development
Node:	EX7AS08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1300 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7ABEX04

Scenario:	Post-Development
Node:	EX04
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1000 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B01-OFFSITE

Scenario:	Post-Development
Node:	EX03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B01A

Scenario:	Post-Development
Node:	EX7S1A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B02-OFFSITE

Scenario:	Post-Development
Node:	EX7S97
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2900 ac
Curve Number:	71.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B03

Scenario:	Post-Development
Node:	EX7S03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B03-OFFSITE

Scenario:	Post-Development
Node:	EX7S86
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7000 ac
Curve Number:	72.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B04-OFFSITE

Scenario:	Post-Development
Node:	EX7S90
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2400 ac
Curve Number:	63.3
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B13

Scenario:	Post-Development
Node:	EX7S13
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B16_1

Scenario:	Post-Development
Node:	EX7S16
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B16_2

Scenario:	Post-Development
Node:	EX7S16
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B16_3

Scenario:	Post-Development
Node:	EX7S16
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B18_1

Scenario:	Post-Development
Node:	EX7S18
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9800 ac
Curve Number:	63.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B18_2

Scenario:	Post-Development
Node:	EX7S18
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B201

Scenario:	Post-Development
Node:	PR7S201
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B202

Scenario:	Post-Development
Node:	PR7S202
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B203

Scenario:	Post-Development
Node:	PR7S204
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B204

Scenario:	Post-Development
Node:	PR7S205
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B205

Scenario:	Post-Development
Node:	PR7S205
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B206

Scenario:	Post-Development
Node:	PR7S202
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B207

Scenario:	Post-Development
Node:	PR7S204
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B208

Scenario:	Post-Development
Node:	PR7S204
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B209

Scenario:	Post-Development
Node:	PR7S204
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B210

Scenario:	Post-Development
Node:	PR7S203
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4200 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B22_1

Scenario:	Post-Development
Node:	PR7S201
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B22_2

Scenario:	Post-Development
Node:	PR7S201
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B27_1

Scenario:	Post-Development
Node:	PR7S202
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B27_2

Scenario:	Post-Development
Node:	PR7S202
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B32

Scenario:	Post-Development
Node:	PR7S203
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B41

Scenario:	Post-Development
Node:	PR7S205
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B45

Scenario:	Post-Development
Node:	EX7S45
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B66

Scenario:	Post-Development
Node:	EX7S66
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B68

Scenario:	Post-Development
Node:	EX7S68
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8400 ac
Curve Number:	67.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B71_1

Scenario:	Post-Development
Node:	PR7S206
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9800 ac
Curve Number:	66.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B71_2

Scenario:	Post-Development
Node:	PR7S206
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2200 ac
Curve Number:	71.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B78

Scenario:	Post-Development
Node:	EX7S78
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6600 ac
Curve Number:	87.1
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B86

Scenario:	Post-Development
Node:	EX7S86
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5000 ac
Curve Number:	95.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B8A_1

Scenario:	Post-Development
Node:	EX7S8A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7700 ac
Curve Number:	95.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B8A_2

Scenario:	Post-Development
Node:	EX7S8A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2400 ac
Curve Number:	95.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B90

Scenario:	Post-Development
Node:	EX7S90
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1600 ac
Curve Number:	90.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B92

Scenario:	Post-Development
Node:	EX7S92
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0400 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B94_1

Scenario:	Post-Development
Node:	EX7S94
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B94_2

Scenario:	Post-Development
Node:	EX7S94
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7B97

Scenario:	Post-Development
Node:	EX7S97
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2600 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BCSX01

Scenario:	Post-Development
Node:	EX7AS03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1800 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BCSX02

Scenario:	Post-Development
Node:	EX7AS08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4600 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BCSX03

Scenario:	Post-Development
Node:	EX04
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8300 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BCSX04

Scenario:	Post-Development
Node:	EX03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2900 ac
Curve Number:	66.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BCSX05

Scenario:	Post-Development
Node:	EX7S97
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2500 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BEX01

Scenario:	Post-Development
Node:	EX01
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1100 ac
Curve Number:	67.6
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BEX03

Scenario:	Post-Development
Node:	EX03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6000 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B01

Scenario:	Post-Development
Node:	EX8S01
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.5400 ac
Curve Number:	87.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B01-OFFSITE

Scenario:	Post-Development
Node:	EX8S01
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8400 ac
Curve Number:	95.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B02-OFFSITE

Scenario:	Post-Development
Node:	EX8S74
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5800 ac
Curve Number:	61.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B03-OFFSITE

Scenario:	Post-Development
Node:	EX8S81
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3000 ac
Curve Number:	61.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B04-OFFSITE

Scenario:	Post-Development
Node:	EX8S83
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1800 ac
Curve Number:	61.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B05-OFFSITE

Scenario:	Post-Development
Node:	EX8S85
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7100 ac
Curve Number:	64.4
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B06

Scenario:	Post-Development
Node:	EX8S06
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B06-OFFSITE

Scenario:	Post-Development
Node:	POND 8E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0000 ac
Curve Number:	80.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B07-OFFSITE

Scenario:	Post-Development
Node:	POND 8E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3700 ac
Curve Number:	91.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B12

Scenario:	Post-Development
Node:	EX8S12
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B13

Scenario:	Post-Development
Node:	PR8S201
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B15A

Scenario:	Post-Development
Node:	EX8S15A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.5600 ac
Curve Number:	92.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B17

Scenario:	Post-Development
Node:	EX8S17
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B201

Scenario:	Post-Development
Node:	PR8S201
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B202

Scenario:	Post-Development
Node:	EX8S12
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B203

Scenario:	Post-Development
Node:	PR8S201
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B204

Scenario:	Post-Development
Node:	PR8S203
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B205

Scenario:	Post-Development
Node:	PR8S205
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B206

Scenario:	Post-Development
Node:	PR8S205
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B207

Scenario:	Post-Development
Node:	PR8S206
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B208

Scenario:	Post-Development
Node:	PR8S206
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B209

Scenario:	Post-Development
Node:	POND 8E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B21

Scenario:	Post-Development
Node:	EX8S21
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B210

Scenario:	Post-Development
Node:	POND 8E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B211

Scenario:	Post-Development
Node:	PR8S205
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B212

Scenario:	Post-Development
Node:	PR8S206
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B213

Scenario:	Post-Development
Node:	POND 8E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B25

Scenario:	Post-Development
Node:	PR8S203
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B26

Scenario:	Post-Development
Node:	PR8S204
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B40E1

Scenario:	Post-Development
Node:	EX8S40E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.0400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B40W1

Scenario:	Post-Development
Node:	EX8S40W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B40W1_OFFSITE

Scenario:	Post-Development
Node:	EX8S40W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3900 ac
Curve Number:	66.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B40W2

Scenario:	Post-Development
Node:	EX8S40W2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B40W3

Scenario:	Post-Development
Node:	EX8S40W3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B40W5

Scenario:	Post-Development
Node:	EX8S40W5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B40W6

Scenario:	Post-Development
Node:	EX8S40W6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B40W7

Scenario:	Post-Development
Node:	EX8S40W7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B40W8

Scenario:	Post-Development
Node:	EX8S40W8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B40W9

Scenario:	Post-Development
Node:	EX8S40W9
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B40W9-OFFSITE

Scenario:	Post-Development
Node:	EX8S40W9
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4100 ac
Curve Number:	66.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B5A

Scenario:	Post-Development
Node:	EX8S5A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B74_1

Scenario:	Post-Development
Node:	EX8S74
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4200 ac
Curve Number:	94.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B74_2

Scenario:	Post-Development
Node:	EX8S74
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6300 ac
Curve Number:	92.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B81

Scenario:	Post-Development
Node:	EX8S81
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6300 ac
Curve Number:	78.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 8B83

Scenario:	Post-Development
Node:	EX8S83
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4500 ac
Curve Number:	75.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B01-OFFSITE

Scenario:	Post-Development
Node:	EX9S96
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4400 ac
Curve Number:	58.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B02-OFFSITE

Scenario:	Post-Development
Node:	POND 9W2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2100 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B03-OFFSITE

Scenario:	Post-Development
Node:	POND 9W2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.7300 ac
Curve Number:	86.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B04-OFFSITE

Scenario:	Post-Development
Node:	PR9S205
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.3800 ac
Curve Number:	86.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B05-OFFSITE

Scenario:	Post-Development
Node:	POND 9W5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.4700 ac
Curve Number:	86.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B06-OFFSITE

Scenario:	Post-Development
Node:	POND 9W5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.9400 ac
Curve Number:	86.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B07-OFFSITE

Scenario:	Post-Development
Node:	POND 9W5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.5000 ac
Curve Number:	86.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B08-OFFSITE

Scenario:	Post-Development
Node:	POND 9W5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.2100 ac
Curve Number:	86.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B09-OFFSITE

Scenario:	Post-Development
Node:	POND 9W5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2000 ac
Curve Number:	86.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B10-OFFSITE

Scenario:	Post-Development
Node:	EX9S57
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0300 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B101_2

Scenario:	Post-Development
Node:	EX9S101
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B104

Scenario:	Post-Development
Node:	PR9S202
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B11-OFFSITE

Scenario:	Post-Development
Node:	POND 9E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0400 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B110

Scenario:	Post-Development
Node:	PR9S212
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B12-OFFSITE

Scenario:	Post-Development
Node:	POND 9E4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0900 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B13-OFFSITE

Scenario:	Post-Development
Node:	POND 9E5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0900 ac
Curve Number:	68.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B14-OFFSITE

Scenario:	Post-Development
Node:	POND 9E6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8500 ac
Curve Number:	77.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B201

Scenario:	Post-Development
Node:	PR9S201
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B202

Scenario:	Post-Development
Node:	PR9S201
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B203

Scenario:	Post-Development
Node:	PR9S202
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B204

Scenario:	Post-Development
Node:	PR9S202
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B205

Scenario:	Post-Development
Node:	PR9S202
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B206

Scenario:	Post-Development
Node:	PR9S202
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B207

Scenario:	Post-Development
Node:	PR9S202
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B208

Scenario:	Post-Development
Node:	PR9S202
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B209

Scenario:	Post-Development
Node:	PR9S203
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B210

Scenario:	Post-Development
Node:	PR9S212
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B211

Scenario:	Post-Development
Node:	POND 9E5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B212

Scenario:	Post-Development
Node:	POND 9E6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B213

Scenario:	Post-Development
Node:	POND 9E6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B49_1

Scenario:	Post-Development
Node:	EX9S49
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5900 ac
Curve Number:	94.8
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B49_2

Scenario:	Post-Development
Node:	EX9S49
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6900 ac
Curve Number:	83.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B49_3

Scenario:	Post-Development
Node:	EX9S49
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0300 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B57

Scenario:	Post-Development
Node:	EX9S57
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1200 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B87A_1

Scenario:	Post-Development
Node:	EX9S87A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7300 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B87A_2

Scenario:	Post-Development
Node:	EX9S87A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2700 ac
Curve Number:	67.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B91A

Scenario:	Post-Development
Node:	PR9S201
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B94_1

Scenario:	Post-Development
Node:	EX9S94
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 9B96

Scenario:	Post-Development
Node:	EX9S96
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: LAKE 7AB

Scenario:	Post-Development
Node:	PATRICIA LAKE
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.5100 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 7AB

Scenario:	Post-Development
Node:	POND 7AB
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.6600 ac
Curve Number:	71.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 7W1

Scenario:	Post-Development
Node:	POND 7W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.1400 ac
Curve Number:	71.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 8E1

Scenario:	Post-Development
Node:	POND 8E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.1700 ac
Curve Number:	63.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 8E2

Scenario:	Post-Development
Node:	POND 8E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.6800 ac
Curve Number:	67.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9E2_1

Scenario:	Post-Development
Node:	POND 9E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4300 ac
Curve Number:	56.8
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9E2_2

Scenario:	Post-Development
Node:	POND 9E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9E3_2

Scenario:	Post-Development
Node:	POND 9E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9E4_1

Scenario:	Post-Development
Node:	POND 9E4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3900 ac
Curve Number:	57.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9E4_2

Scenario:	Post-Development
Node:	POND 9E4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9E4_3

Scenario:	Post-Development
Node:	POND 9E4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.5000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9E5_1

Scenario:	Post-Development
Node:	POND 9E5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0900 ac
Curve Number:	57.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9E5_2

Scenario:	Post-Development
Node:	POND 9E5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9E5_3

Scenario:	Post-Development
Node:	POND 9E5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9E6_1

Scenario:	Post-Development
Node:	POND 9E6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1900 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9E6_2

Scenario:	Post-Development
Node:	POND 9E6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.1900 ac
Curve Number:	96.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9E6_3

Scenario:	Post-Development
Node:	POND 9E6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9W1

Scenario:	Post-Development
Node:	POND 9W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7900 ac
Curve Number:	68.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9W2_1

Scenario:	Post-Development
Node:	POND 9W2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8300 ac
Curve Number:	59.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9W2_2

Scenario:	Post-Development
Node:	POND 9W2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9W2_3

Scenario:	Post-Development
Node:	POND 9W2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9W5_1

Scenario:	Post-Development
Node:	POND 9W5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.4200 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 9W5_2

Scenario:	Post-Development
Node:	POND 9W5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: SWALE 7W1

Scenario:	Post-Development
Node:	SWALE 7W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2500 ac
Curve Number:	61.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: SWALE 8W1

Scenario:	Post-Development
Node:	SWALE 8W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.0600 ac
Curve Number: 76.1
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Node: 7GW1

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 7GW1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 7GW10

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 7GW10

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 7GW11

Scenario: Post-Development

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 7GW11

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 7GW12

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 7GW12

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 7GW13

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 7GW13

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 7GW14

Scenario: Post-Development

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 7GW14

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 7GW15

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 7GW15

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 7GW2

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 7GW2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 7GW3

Scenario: Post-Development

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 7GW3

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 7GW4

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 7GW4

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 7GW7

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 7GW7

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 7GW8

Scenario: Post-Development

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 7GW8

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 7GW9

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 7GW9

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW1

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW10

Scenario: Post-Development

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW10

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW11

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW11

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW12

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW12

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW13

Scenario: Post-Development

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW13

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW14

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW14

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW15

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW15

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW16

Scenario: Post-Development

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW16

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW2

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW3

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW3

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW5

Scenario: Post-Development

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW5

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW6

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW6

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW7

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW7

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 8GW8

Scenario: Post-Development

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 8GW8

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW1

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW11

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW11

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW12

Scenario: Post-Development

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW12

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW13

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW13

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW14

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW14

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW15

Scenario: Post-Development

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW15

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW16

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.48 ft
Boundary Stage: 9GW16

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW17

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW17

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW18

Scenario: Post-Development

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW18

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW19

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW19

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW2

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW3

Scenario: Post-Development

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW3

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW4

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW4

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW5

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW5

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW6

Scenario: Post-Development

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW6

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: 9GW7

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: 9GW7

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	999.0000	1.44

Comment:

Node: CANAL 1

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: CANAL 1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	300.0000	1.44

Comment:

Node: CANAL 2

Scenario: Post-Development

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: CANAL 2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	300.0000	1.44

Comment:

Node: EX01

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.14 ft

Stage [ft]	Area [ac]	Area [ft2]
3.04	0.0050	218
5.54	0.0050	218

Comment:

Node: EX03

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.14 ft

Stage [ft]	Area [ac]	Area [ft2]
1.44	0.0050	218
2.44	0.0050	218
2.94	0.0100	436
3.44	0.0200	871
3.94	0.0200	871
4.44	0.0400	1742
4.94	0.0600	2614
5.44	0.0700	3049

Comment:

Node: EX04

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.64 ft
Warning Stage: 10.44 ft

Stage [ft]	Area [ac]	Area [ft2]
6.64	0.0050	218
8.64	0.0050	218

Comment:

Node: EX7AS01

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 4.94 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0092	401
3.94	0.0092	401
3.95	0.0003	13
4.94	0.0003	13
4.95	0.0031	135

External Hydrograph

Comment: 3AS-01 FROM FPID NO. 249035-1-52-01

Node: EX7AS02

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.56 ft
Warning Stage: 13.35 ft

Stage [ft]	Area [ac]	Area [ft2]
2.53	0.0003	13
13.35	0.0003	13
13.36	0.0029	126

Comment: 3AS-02 FROM FPID NO. 249035-1-52-01

Node: EX7AS03

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.04 ft
Warning Stage: 14.30 ft

Stage [ft]	Area [ac]	Area [ft2]
5.04	0.0003	13
14.30	0.0003	13
14.31	0.0027	118

Comment: 3AS-03 FROM FPID NO. 249035-1-52-01

Node: EX7AS08

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.04 ft
Warning Stage: 12.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.04	0.0003	13
12.00	0.0003	13
12.01	0.0027	118

Comment: 3AS-08 FROM FPID NO. 249035-1-52-01

Node: EX7AS11

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 4.94 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0092	401
3.94	0.0092	401
3.95	0.0003	13
4.94	0.0003	13
4.95	0.0031	135

Comment: 3AS-11 FROM FPID NO. 249035-1-52-01

Node: EX7S03

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 8.01 ft

Stage [ft]	Area [ac]	Area [ft2]
0.34	0.0004	17
8.01	0.0004	17
8.02	0.0044	192

Comment: 3S-03 FROM FPID NO. 249035-1-52-01

Node: EX7S11

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.84 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0028	122
3.94	0.0028	122
3.95	0.0004	17
6.84	0.0004	17
6.85	0.0037	161

Comment: 3S-11 FROM FPID NO. 249035-1-52-01

Node: EX7S13

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 11.45 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0026	113
3.94	0.0026	113
3.95	0.0003	13
11.45	0.0003	13
11.46	0.0027	118

Comment: 3S-13 FROM FPID NO. 249035-1-52-01

Node: EX7S15

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.86 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.76	0.0009	39
6.86	0.0009	39
6.87	0.0088	383

Comment: 3S-15 FROM FPID NO. 249035-1-52-01

Node: EX7S16

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 14.47 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.06	0.0003	13
14.47	0.0003	13
14.48	0.0029	126

Comment: 3S-16 FROM FPID NO. 249035-1-52-01

Node: EX7S18

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.84 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.56	0.0004	17
6.84	0.0004	17
6.85	0.0037	161

Comment: 3S-18 FROM FPID NO. 249035-1-52-01

Node: EX7S1A

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.94 ft
Warning Stage: 10.90 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.06	0.0005	22
10.90	0.0005	22
10.91	0.0045	196

Comment: 3S-1A FROM FPID NO. 249035-1-52-01

Node: EX7S45

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 9.57 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0046	200
3.94	0.0046	200
3.95	0.0003	13
9.57	0.0003	13
9.58	0.0029	126

Comment: 3S-45 FROM FPID NO. 249035-1-52-01

Node: EX7S66

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 10.37 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0046	200
3.94	0.0046	200
3.95	0.0003	13
10.37	0.0003	13
10.38	0.0027	118

Comment: 3S-66 FROM FPID NO. 249035-1-52-01

Node: EX7S68

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.94 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0028	122
3.94	0.0028	122
3.95	0.0004	17
5.94	0.0004	17
5.95	0.0037	161

Comment: 3S-68 FROM FPID NO. 249035-1-52-01

Node: EX7S74

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.44 ft
Warning Stage: 5.49 ft

Stage [ft]	Area [ac]	Area [ft2]
0.44	0.0003	13
5.49	0.0003	13
5.50	0.0031	135

Comment: 3S-74 FROM FPID NO. 249035-1-52-01

Node: EX7S77

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 4.94 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0086	375
3.94	0.0086	375
3.95	0.0003	13
4.94	0.0003	13
4.95	0.0031	135

Comment: 3S-77 FROM FPID NO. 249035-1-52-01

Node: EX7S78

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.04 ft
Warning Stage: 13.52 ft

Stage [ft]	Area [ac]	Area [ft2]
3.04	0.0003	13
13.52	0.0003	13
13.53	0.0027	118

Comment: 3S-78 FROM FPID NO. 249035-1-52-01

Node: EX7S86

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.23 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.56	0.0086	375
3.94	0.0086	375
3.95	0.0003	13
7.23	0.0003	13
7.24	0.0029	126

Comment: 3S-86 FROM FPID NO. 249035-1-52-01

Node: EX7S8A

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.26 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0010	44
3.94	0.0010	44
3.95	0.0003	13
7.26	0.0003	13
7.27	0.0030	131

Comment: 3S-8A FROM FPID NO. 249035-1-52-01

Node: EX7S90

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.95 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0032	139
3.94	0.0032	139
3.95	0.0009	39
5.35	0.0009	39
5.36	0.0003	13
7.95	0.0003	13
7.96	0.0027	118

Comment: 3S-90 FROM FPID NO. 249035-1-52-01

Node: EX7S91

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.04 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.06	0.0004	17
7.04	0.0004	17
7.05	0.0037	161

Comment: 3S-91 FROM FPID NO. 249035-1-52-01

Node: EX7S92

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 9.70 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0027	118
3.94	0.0027	118
3.95	0.0003	13
9.70	0.0003	13
9.71	0.0027	118

Comment: 3S-92 FROM FPID NO. 249035-1-52-01

Node: EX7S93

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 10.04 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.56	0.0004	17
10.04	0.0004	17
10.05	0.0037	161

Comment: 3S-93 FROM FPID NO. 249035-1-52-01

Node: EX7S94

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 11.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0027	118
3.94	0.0027	118
3.95	0.0003	13
11.43	0.0003	13
11.44	0.0027	118

Comment: 3S-94 FROM FPID NO. 249035-1-52-01

Node: EX7S97

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.56	0.0017	74

Stage [ft]	Area [ac]	Area [ft2]
7.44	0.0017	74
7.45	0.0170	741

Comment: 3S-97 FROM FPID NO. 249035-1-52-01

Node: EX8S01

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 9.27 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0101	440
4.69	0.0101	440
4.70	0.0004	17
9.27	0.0004	17
9.28	0.0037	161

Comment: 4S-01 FROM FPID NO. 249035-1-52-01

Node: EX8S06

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.80 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0012	52
4.69	0.0012	52
4.70	0.0004	17
7.80	0.0004	17
7.81	0.0037	161

Comment: 4S-06 FROM FPID NO. 249035-1-52-01

Node: EX8S101

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 1.77 ft
Warning Stage: 7.18 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.31	0.0003	13
7.18	0.0003	13
7.19	0.0028	122

Comment: 4S-101 FROM FPID NO. 249035-1-52-01

Node: EX8S12

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.14 ft
Warning Stage: 7.26 ft

Stage [ft]	Area [ac]	Area [ft2]
0.14	0.0004	17
7.26	0.0004	17
7.27	0.0037	161

Comment: 4S-12 FROM FPID NO. 249035-1-52-01

Node: EX8S139D

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.88 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.40	0.0044	192
4.44	0.0044	192
4.45	0.0003	13
7.88	0.0003	13
7.89	0.0031	135

Comment: STAGES WERE TAKEN FROM SR 826 SECTION 2 EXISTING DRAINAGE FILE

Node: EX8S15A

Scenario: Post-Development

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.02 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.66	0.0101	440
4.69	0.0101	440
4.70	0.0004	17
5.68	0.0004	17
5.69	0.0037	161

Comment: 4S-15A FROM FPID NO. 249035-1-52-01

Node: EX8S17

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.26 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0012	52
4.69	0.0012	52
4.70	0.0004	17
5.70	0.0004	17
5.71	0.0037	161

Comment: 4S-17 FROM FPID NO. 249035-1-52-01

Node: EX8S21

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.59 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0012	52
4.69	0.0012	52
4.70	0.0003	13
6.14	0.0003	13
6.15	0.0030	131

Comment: 4S-21 FROM FPID NO. 249035-1-52-01

Node: EX8S40E1

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.40	0.0050	218
4.44	0.0050	218
4.45	0.0003	13
6.87	0.0003	13
6.88	0.0031	135

Comment: STAGES WERE TAKEN FROM SR 826 SECTION 2 EXISTING DRAINAGE FILE

Node: EX8S40W1

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.21 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0018	78
4.69	0.0018	78
4.70	0.0003	13
6.21	0.0003	13
6.22	0.0031	135

Comment: STAGES WERE TAKEN FROM SR 826 SECTION 2 EXISTING DRAINAGE FILE

Node: EX8S40W2

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.01 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0018	78
4.69	0.0018	78
4.70	0.0003	13
7.01	0.0003	13
7.02	0.0031	135

Comment: STAGES WERE TAKEN FROM SR 826 SECTION 2 EXISTING DRAINAGE FILE

Node: EX8S40W3

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.94 ft
Warning Stage: 7.48 ft

Stage [ft]	Area [ac]	Area [ft2]
2.94	0.0004	17
7.48	0.0004	17
7.49	0.0040	174

Comment: STAGES WERE TAKEN FROM SR 826 SECTION 2 EXISTING DRAINAGE FILE

Node: EX8S40W4

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 8.48 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.40	0.0019	83
4.44	0.0019	83
4.45	0.0003	13
8.48	0.0003	13
8.49	0.0031	135

Comment: STAGES WERE TAKEN FROM SR 826 SECTION 2 EXISTING DRAINAGE FILE

Node: EX8S40W5

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0018	78

Stage [ft]	Area [ac]	Area [ft2]
4.69	0.0018	78
4.70	0.0003	13
5.44	0.0003	13
5.45	0.0031	135

Comment: STAGES WERE TAKEN FROM SR 826 SECTION 2 EXISTING DRAINAGE FILE

Node: EX8S40W6

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.56 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.40	0.0032	139
4.44	0.0032	139
4.45	0.0003	13
7.56	0.0003	13
7.57	0.0031	135

Comment: STAGES WERE TAKEN FROM SR 826 SECTION 2 EXISTING DRAINAGE FILE

Node: EX8S40W7

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.74 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0018	78
4.69	0.0018	78
4.70	0.0003	13
5.74	0.0003	13
5.75	0.0031	135

Comment: STAGES WERE TAKEN FROM SR 826 SECTION 2 EXISTING DRAINAGE FILE

Node: EX8S40W8

Scenario: Post-Development

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.54 ft
Warning Stage: 5.44 ft

Stage [ft]	Area [ac]	Area [ft2]
1.54	0.0004	17
5.44	0.0004	17
5.45	0.0040	174

Comment: STAGES WERE TAKEN FROM SR 826 SECTION 2 EXISTING DRAINAGE FILE

Node: EX8S40W9

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.54 ft
Warning Stage: 7.74 ft

Stage [ft]	Area [ac]	Area [ft2]
4.54	0.0004	17
7.74	0.0004	17
7.75	0.0040	174

Comment: STAGES WERE TAKEN FROM SR 826 SECTION 2 EXISTING DRAINAGE FILE

Node: EX8S45

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.84 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.33	0.0008	35
6.84	0.0008	35
6.85	0.0078	340

Comment: 4S-45 FROM FPID NO. 249035-1-52-01

Node: EX8S47

Scenario: Post-Development

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.64 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.26	0.0007	30
6.64	0.0007	30
6.65	0.0073	318

Comment: 4S-47 FROM FPID NO. 249035-1-52-01

Node: EX8S5A

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.91 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0012	52
4.69	0.0012	52
4.70	0.0004	17
7.91	0.0004	17
7.92	0.0037	161

Comment: 4S-5A FROM FPID NO. 249035-1-52-01

Node: EX8S70

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.13 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.56	0.0008	35
7.13	0.0008	35
7.14	0.0083	362

Comment: 4S-70 FROM FPID NO. 249035-1-52-01

Node: EX8S72A

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.98 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0020	87
4.69	0.0020	87
4.70	0.0006	26
5.37	0.0006	26
5.38	0.0003	13
7.98	0.0003	13
7.99	0.0027	118

Comment:

Node: EX8S74

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.52 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0053	231
3.94	0.0053	231
3.95	0.0006	26
4.92	0.0006	26
4.93	0.0003	13
7.52	0.0003	13
7.53	0.0027	118

Comment: 4S-74 FROM FPID NO. 249035-1-52-01

Node: EX8S81

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.91 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0053	231

Stage [ft]	Area [ac]	Area [ft2]
3.94	0.0053	231
3.95	0.0086	375
4.69	0.0086	375
4.70	0.0003	13
7.91	0.0003	13
7.92	0.0027	118

Comment: 4S-81 FROM FPID NO. 249035-1-52-01

Node: EX8S83

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 8.58 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0026	113
4.19	0.0026	113
4.20	0.0004	17
5.98	0.0004	17
5.99	0.0003	13
8.58	0.0003	13
8.59	0.0027	118

Comment: 4S-83 FROM FPID NO. 249035-1-52-01

Node: EX8S85

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 4.69 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0042	183
4.19	0.0042	183
4.20	0.0005	22
4.69	0.0005	22
4.70	0.0049	213

Comment: 4S-85 FROM FPID NO. 249035-1-52-01

Node: EX8S85B

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 11.23 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.66	0.0042	183
4.19	0.0042	183
4.20	0.0005	22
11.23	0.0005	22
11.24	0.0045	196

Comment: 4S-85B FROM FPID NO. 249035-1-52-01

Node: EX8S87

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.48 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0042	183
4.19	0.0042	183
4.20	0.0041	179
4.69	0.0041	179
4.70	0.0410	1786

Comment: SWALE 4W-1 (4S-87) FROM FPID NO. 249035-1-52-01

Node: EX8S88

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.41 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0042	183
4.19	0.0042	183
4.20	0.0005	22
7.41	0.0005	22
7.42	0.0045	196

Comment: 4S-88 FROM FPID NO. 249035-1-52-01

Node: EX8S98

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.14 ft
Warning Stage: 6.86 ft

Stage [ft]	Area [ac]	Area [ft2]
0.14	0.0003	13
6.86	0.0003	13
6.87	0.0028	122

Comment: 4S-98 FROM FPID NO. 249035-1-52-01

Node: EX8S99

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.64 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.40	0.0050	218
4.44	0.0050	218
4.45	0.0003	13
7.64	0.0003	13
7.65	0.0031	135

Comment: 4S-99 FROM FPID NO. 249035-1-52-01

Node: EX9S101

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.24 ft
Warning Stage: 11.78 ft

Stage [ft]	Area [ac]	Area [ft2]
4.24	0.0004	17

Stage [ft]	Area [ac]	Area [ft2]
11.78	0.0004	17
11.79	0.0035	152

Comment: 5S-101 FROM FPID NO. 249035-1-52-01

Node: EX9S15

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.51 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.46	0.0003	13
6.51	0.0003	13
6.52	0.0027	118

Comment: 5S-15 FROM FPID NO. 249035-1-52-01

Node: EX9S49

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.06 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0029	126
4.69	0.0029	126
4.70	0.0005	22
6.06	0.0005	22
6.07	0.0045	196

Comment: 5S-49 FROM FPID NO. 249035-1-52-01

Node: EX9S55

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 8.20 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.66	0.0029	126
4.69	0.0029	126
4.70	0.0003	13
8.20	0.0003	13
8.21	0.0029	126

Comment: 5S-55 FROM FPID NO. 249035-1-52-01

Node: EX9S57

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.14 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0020	87
4.69	0.0020	87
4.70	0.0004	17
5.14	0.0004	17
5.15	0.0037	161

Comment: 5S-57 FROM FPID NO. 249035-1-52-01

Node: EX9S58

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.07 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0020	87
4.69	0.0020	87
4.70	0.0003	13
6.07	0.0003	13
6.08	0.0029	126

Comment: 5S-58 FROM FPID NO. 249035-1-52-01

Node: EX9S63

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.58 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0018	78
4.69	0.0018	78
4.70	0.0005	22
6.58	0.0005	22
6.59	0.0045	196

Comment: 5S-63 FROM FPID NO. 249035-1-52-01

Node: EX9S69

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.85 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0034	148
4.69	0.0034	148
4.70	0.0005	22
6.85	0.0005	22
6.86	0.0045	196

Comment: 5S-69 FROM FPID NO. 249035-1-52-01

Node: EX9S79

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.34 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0099	431
4.69	0.0099	431
4.70	0.0005	20
6.34	0.0005	20
6.35	0.0045	196

Comment:

Node: EX9S82

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.16	0.0014	61
6.44	0.0014	61

Comment: 5S-82 FROM FPID NO. 249035-1-52-01

Node: EX9S87A

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.14 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.46	0.0019	83
4.69	0.0019	83
4.70	0.0005	22
7.14	0.0005	22
7.15	0.0045	196

Comment: 5S-87A FROM FPID NO. 249035-1-52-01

Node: EX9S90

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0050	218
4.69	0.0050	218

Stage [ft]	Area [ac]	Area [ft2]
4.70	0.0003	13
5.44	0.0003	13
5.45	0.0029	126

Comment: 5S-90 FROM FPID NO. 249035-1-52-01

Node: EX9S90A

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 8.31 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0018	78
4.69	0.0018	78
4.70	0.0005	22
8.31	0.0005	22
8.32	0.0045	196

Comment: 5S-90A FROM FPID NO. 249035-1-52-01

Node: EX9S94

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 12.98 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.56	0.0035	152
4.69	0.0035	152
4.70	0.0003	13
12.98	0.0003	13
12.99	0.0031	135

Comment: 5S-94 FROM FPID NO. 249035-1-52-01

Node: EX9S96

Scenario: Post-Development
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.06	0.0050	218
4.69	0.0050	218
4.70	0.0005	22
5.44	0.0005	22
5.45	0.0045	196

Comment: 5S-96 FROM FPID NO. 249035-1-52-01

Node: EXCS7AS12+1

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.61 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.16	0.0009	39
6.61	0.0009	39

Comment: 3AS-12 FROM FPID NO. 249035-1-52-01

Node: EXCS7AS12+2

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.61 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.16	0.0009	39
6.61	0.0009	39

Comment: 3AS-12 FROM FPID NO. 249035-1-52-01

Node: EXCS7AS1B+1

Scenario: Post-Development
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.61 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.16	0.0009	39
6.61	0.0009	39

Comment: 3AS-1B FROM FPID NO. 249035-1-52-01

Node: EXCS7AS1B+2

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.61 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.16	0.0009	39
6.61	0.0009	39

Comment: 3AS-1B FROM FPID NO. 249035-1-52-01

Node: EXCS7S69+1

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.86	0.0007	30
7.44	0.0007	30
7.45	0.0070	305

Comment: 3S-69 FROM FPID NO. 249035-1-52-01

Node: EXCS7S69+2

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft

Warning Stage: 7.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.86	0.0007	30
7.44	0.0007	30
7.45	0.0070	305

Comment: 3S-69 FROM FPID NO. 249035-1-52-01

Node: EXCS7S76+1

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.60 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.11	0.0007	30
6.60	0.0007	30
6.61	0.0070	305

Comment: 3S-76 FROM FPID NO. 249035-1-52-01

Node: EXCS7S76+2

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.66 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.11	0.0007	30
6.60	0.0007	30
6.61	0.0070	305

Comment: 3S-76 FROM FPID NO. 249035-1-52-01

Node: EXCS9S129+1

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft

Warning Stage: 7.61 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.91	0.0004	17
7.61	0.0004	17
7.62	0.0040	174

Comment: 5S-129 FROM FPID NO. 249035-1-52-01

Node: EXCS9S129+2

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.61 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.91	0.0004	17
7.61	0.0004	17
7.62	0.0040	174

Comment: 5S-129 FROM FPID NO. 249035-1-52-01

Node: EXCS9S139C+1

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.61 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.91	0.0004	17
7.61	0.0004	17
7.62	0.0040	174

Comment: The information of this structure was assummed to be the same as EX9S129 since the information provided on as-built plans (FPID 249035-1-52-01) does not show drainage structure sheet only shows the structure on plan view.

Node: EXCS9S139C+2

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 1.44 ft
Warning Stage: 7.61 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.91	0.0004	17
7.61	0.0004	17
7.62	0.0040	174

Comment: The information of this structure was assummed to be the same as EX9S129 since the information provided on as-built plans (FPID 249035-1-52-01) does not show drainage structure sheet only shows the structure on plan view.

Node: EXCS9S80

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.06	0.0005	22
2.99	0.0005	22
3.00	0.0045	196

Comment: 5S-80 FROM FPID NO. 249035-1-52-01

Node: EXCS9S80A

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.06	0.0005	22
2.99	0.0005	22
3.00	0.0045	196

Comment: 5S-80A FROM FPID NO. 249035-1-52-01

Node: PATRICIA LAKE

Scenario: Post-Development
Type: Time/Stage

Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: PATRICIA LAKE

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	300.0000	1.44

Comment:

Node: POND 7AB

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.94 ft
Warning Stage: 6.59 ft

Stage [ft]	Area [ac]	Area [ft2]
4.94	0.8100	35284
5.44	0.8600	37462
5.94	0.9100	39640
6.59	0.9700	42253

Comment:

Node: POND 7W1

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.94 ft
Warning Stage: 5.94 ft

Stage [ft]	Area [ac]	Area [ft2]
4.94	0.4600	20038
5.94	0.6000	26136

Comment:

Node: POND 8E1

Scenario: Post-Development
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 2.44 ft
Warning Stage: 5.89 ft

Stage [ft]	Area [ac]	Area [ft2]
2.44	2.1800	94961
3.44	2.2900	99752
4.44	2.4000	104544
5.44	2.5100	109336
5.89	2.5600	111514

Comment:

Node: POND 8E2

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.44 ft
Warning Stage: 5.89 ft

Stage [ft]	Area [ac]	Area [ft2]
2.44	0.4500	19602
3.44	0.4800	20909
4.44	0.5200	22651
5.44	0.5600	24394
5.89	0.5800	25265

Comment:

Node: POND 9E2

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.44 ft
Warning Stage: 6.07 ft

Stage [ft]	Area [ac]	Area [ft2]
2.44	0.1400	6098
3.44	0.1600	6970
4.44	0.1800	7841
5.44	0.2000	8712

Comment: PROPOSED DRY RETENTION POND

Node: POND 9E4

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.44 ft
Warning Stage: 6.94 ft

Stage [ft]	Area [ac]	Area [ft2]
2.44	0.0400	1742
3.44	0.0500	2178
4.44	0.0700	3049
5.44	0.0800	3485
6.44	0.0900	3920
6.94	0.1000	4356

Comment: POND 5E-4 FROM FPID NO. 249035-1-52-01

Node: POND 9E5

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.44 ft
Warning Stage: 6.24 ft

Stage [ft]	Area [ac]	Area [ft2]
2.44	0.3300	14375
3.44	0.3600	15682
4.44	0.3800	16553
5.44	0.4000	17424

Comment: PROPOSED DRY RETENTION POND

Node: POND 9E6

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.44 ft

Stage [ft]	Area [ac]	Area [ft2]
2.44	0.0700	3049
3.44	0.0800	3485
4.44	0.1000	4356
5.44	0.1100	4792

Comment: PROPOSED DRY RETENTION POND

Node: POND 9W1

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.44 ft
Warning Stage: 6.44 ft

Stage [ft]	Area [ac]	Area [ft2]
5.44	0.1200	5227
6.44	0.1900	8276

Comment:

Node: POND 9W2

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.44 ft
Warning Stage: 8.70 ft

Stage [ft]	Area [ac]	Area [ft2]
2.44	0.1400	6098
3.44	0.1500	6534
4.44	0.1700	7405
5.44	0.1800	7841
6.44	0.2000	8712
7.44	0.2200	9583
8.44	0.2400	10454
8.70	0.2500	10890

Comment:

Node: POND 9W5

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.44 ft
Warning Stage: 7.44 ft

Stage [ft]	Area [ac]	Area [ft2]
2.44	0.7300	31799
3.44	0.8100	35284
4.44	0.8900	38768
5.44	1.0200	44431
6.44	1.1100	48352
7.44	1.2000	52272

Comment:

Node: PR7S201

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.72 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.96	0.0003	13
6.72	0.0003	13
6.73	0.0027	118

Comment:

Node: PR7S202

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0031	135
3.94	0.0031	135
3.95	0.0003	13
6.50	0.0003	13
6.51	0.0027	118

Comment:

Node: PR7S203

Scenario: Post-Development

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0031	135
3.94	0.0031	135
3.95	0.0003	13
6.50	0.0003	13
6.51	0.0027	118

Comment:

Node: PR7S204

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0026	113
3.94	0.0026	113
3.95	0.0003	13
6.50	0.0003	13
6.51	0.0027	118

Comment:

Node: PR7S205

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 9.89 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0045	196
3.94	0.0045	196
3.95	0.0003	13
9.89	0.0003	13
9.90	0.0029	126

Comment:

Node: PR7S206

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.94 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.46	0.0004	17
5.94	0.0004	17
5.95	0.0037	161

Comment:

Node: PR7S207

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.94 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.46	0.0004	17
5.94	0.0004	17
5.95	0.0037	161

Comment:

Node: PR8S201

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.94 ft
Warning Stage: 7.64 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.06	0.0003	13
7.64	0.0003	13
7.65	0.0027	118

Comment:

Node: PR8S202

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.74 ft
Warning Stage: 7.35 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.26	0.0003	13
7.35	0.0003	13
7.36	0.0027	118

Comment:

Node: PR8S203

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 10.25 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.66	0.0003	13
10.25	0.0003	13
10.26	0.0027	118

Comment:

Node: PR8S204

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0026	113
3.94	0.0026	113
3.95	0.0003	13
6.50	0.0003	13
6.51	0.0027	118

Comment:

Node: PR8S205

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 9.07 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0041	179
4.94	0.0041	179
4.95	0.0009	39
9.07	0.0009	39
9.08	0.0088	383

Comment:

Node: PR8S206

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 9.53 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0041	179
4.94	0.0041	179
4.95	0.0005	22
6.69	0.0005	22
6.70	0.0050	218
9.53	0.1519	6617

Comment:

Node: PR9S201

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 9.76 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0035	152
4.69	0.0035	152
4.70	0.0005	22
9.76	0.0005	22

Stage [ft]	Area [ac]	Area [ft2]
9.77	0.0045	196

Comment:

Node: PR9S202

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 10.32 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0056	244
4.69	0.0056	244
4.70	0.0006	26
7.98	0.0006	26
7.99	0.0029	126
10.32	0.0029	126
10.33	0.0290	1263

Comment:

Node: PR9S203

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 9.26 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.76	0.0003	13
9.26	0.0003	13
9.27	0.0027	118

Comment:

Node: PR9S204

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft

Warning Stage: 9.18 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0056	244
4.69	0.0056	244
4.70	0.0006	26
7.84	0.0006	26
7.85	0.0003	13
9.18	0.0003	13
9.19	0.0029	126

Comment:

Node: PR9S205

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 12.26 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.46	0.0003	13
12.26	0.0003	13
12.27	0.0030	131

Comment:

Node: PR9S206

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 12.63 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.56	0.0003	13
12.63	0.0003	13
12.64	0.0030	131

Comment:

Node: PR9S207

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0024	105
4.69	0.0024	105
4.70	0.0003	13
7.44	0.0003	13
7.45	0.0031	135

Comment:

Node: PR9S208

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0024	105
4.69	0.0024	105
4.70	0.0003	13
7.44	0.0003	13
7.45	0.0031	135

Comment:

Node: PR9S210

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0067	292
4.69	0.0067	292
4.70	0.0003	13
7.44	0.0003	13
7.45	0.0031	135

Comment:

Node: PR9S211

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0067	292
4.69	0.0067	292
4.70	0.0003	13
7.44	0.0003	13
7.45	0.0031	135

Comment:

Node: PR9S212

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 8.70 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0037	161
4.69	0.0037	161
4.70	0.0003	13
5.44	0.0003	13
5.45	0.0029	126

Comment:

Node: PR9S213

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.82 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.56	0.0023	100
4.69	0.0023	100
4.70	0.0005	22
5.82	0.0005	22
5.83	0.0045	196

Comment:

Node: PRCS8S207

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 5.88 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.36	0.0005	22
2.99	0.0005	22
3.00	0.0045	196

Comment:

Node: PRCS9S209+1

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.74 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.56	0.0003	13
6.74	0.0003	13
6.75	0.0030	131

Comment:

Node: PRCS9S209+2

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft

Warning Stage: 6.74 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.56	0.0006	26
6.74	0.0006	26
6.75	0.0060	261

Comment:

Node: PRCS9S209+3

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 6.74 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.56	0.0003	13
6.74	0.0003	13
6.75	0.0030	131

Comment:

Node: SWALE 7W1

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.14 ft
Warning Stage: 6.49 ft

Stage [ft]	Area [ac]	Area [ft2]
3.14	0.0600	2614
6.49	0.0800	3485

Comment:

Node: SWALE 8W1

Scenario: Post-Development
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.69 ft
Warning Stage: 5.48 ft

Stage [ft]	Area [ac]	Area [ft2]
4.69	0.1000	4356
5.48	0.1600	6970

Comment:

Node: TROPICAL PARK LAKE

Scenario: Post-Development
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 7.44 ft
Boundary Stage: TROPICAL PARK LAKE

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	300.0000	1.44

Comment:

Rating Curve Link: EX 7S86_7GW9

Scenario: Post-Development
From Node: EX7S86
To Node: 7GW9
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S86_7GW9	1.44	EX7S86	1.44	EX7S86

Comment:

Pipe Link: EX 9S15_PND9E5

Scenario: Post-Development
From Node: EX9S15
To Node: POND 9E5
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 307.50 ft
FHWA Code: 0
Entr Loss Coef: 0.50

Upstream		Downstream	
Invert:	1.54 ft	Invert:	2.44 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	1.50 ft	Max Depth:	1.50 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX01_EX03		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.81 ft	Invert:	2.53 ft
From Node:	EX01	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	EX03	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	550.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX03_S97		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.49 ft	Invert:	1.44 ft
From Node:	EX03	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	EX7S97	Geometry: Circular		Geometry: Circular	
Link Count:	3	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	135.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX04_TPL	Upstream	Downstream

Scenario:	Post-Development	Invert:	6.44 ft	Invert:	0.61 ft
From Node:	EX04	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	TROPICAL PARK	Geometry: Circular		Geometry: Circular	
	LAKE	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	258.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX7AS01_7GW1

Scenario: Post-Development
From Node: EX7AS01
To Node: 7GW1
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7AS01_7GW1	1.44	EX7AS01	1.44	EX7AS01

Comment:

Rating Curve Link: EX7AS01_7GW15

Scenario: Post-Development
From Node: EX7AS01
To Node: 7GW15
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7AS01_7GW15	1.44	EX7AS01	1.44	EX7AS01

Comment:

Pipe Link: EX7AS01_S1B		Upstream		Downstream	
Scenario:	Post-Development	Invert:	0.94 ft	Invert:	0.84 ft
From Node:	EX7AS01	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EXCS7AS1B+1	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	20.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX7AS01_WEIR

Scenario:	Post-Development	Bottom Clip	
From Node:	POND 7AB	Default:	0.00 ft
To Node:	EX7AS01	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.94 ft	Discharge Coefficients	
Control Elevation:	4.94 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	4.50 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EX7AS02_S01		Upstream		Downstream	
Scenario:	Post-Development	Invert:	5.11 ft	Invert:	4.94 ft
From Node:	EX7AS02	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7AS01	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	19.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7AS03_S02		Upstream		Downstream	
Scenario:	Post-Development	Invert:	7.17 ft	Invert:	4.56 ft
From Node:	EX7AS03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7AS02	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	138.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7AS08_S11		Upstream		Downstream	
Scenario:	Post-Development	Invert:	7.04 ft	Invert:	4.94 ft
From Node:	EX7AS08	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7AS11	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	163.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX7AS11_7GW1

Scenario:	Post-Development
From Node:	EX7AS11
To Node:	7GW1
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7AS01_7GW1	1.44	EX7AS11	1.44	EX7AS11

Comment:

Pipe Link: EX7AS11_S01		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX7AS11	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7AS01	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	758.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Pipe Link: EX7AS11_S12		Upstream		Downstream	
Scenario:	Post-Development	Invert:	0.94 ft	Invert:	0.84 ft
From Node:	EX7AS11	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EXCS7AS12+1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	25.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7AS1A_S11		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.94 ft	Invert:	0.94 ft
From Node:	EX7S1A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7AS11	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	32.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7S03_S1A		Upstream		Downstream	
Scenario:	Post-Development	Invert:	2.34 ft	Invert:	1.94 ft
From Node:	EX7S03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S1A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7S03_S8A		Upstream		Downstream	
Scenario:	Post-Development	Invert:	2.34 ft	Invert:	0.24 ft
From Node:	EX7S03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S8A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	246.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX7S11_7GW3

Scenario: Post-Development

From Node: EX7S11
To Node: 7GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S11_7GW3	1.44	EX7S11	1.44	EX7S11

Comment:

Rating Curve Link: EX7S11_GW2

Scenario: Post-Development
From Node: EX7S11
To Node: 7GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S8A_7GW2	1.44	EX7S11	1.44	EX7S11

Comment:

Pipe Link: EX7S11_S68

Scenario: Post-Development
From Node: EX7S11
To Node: EX7S68
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 236.50 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	1.44 ft	Invert:	1.44 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX7S13_7GW4

Scenario: Post-Development
From Node: EX7S13
To Node: 7GW4
Link Count: 1

Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S13_7GW4	1.44	EX7S13	1.44	EX7S13

Comment:

Pipe Link: EX7S13_S11		Upstream		Downstream	
Scenario:	Post-Development	Invert:	5.34 ft	Invert:	2.04 ft
From Node:	EX7S13	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S11	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	188.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7S15_S69		Upstream		Downstream	
Scenario:	Post-Development	Invert:	-2.76 ft	Invert:	-2.83 ft
From Node:	EX7S15	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	EXCS7S69+1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	58.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7S16_S15		Upstream		Downstream	
Scenario:	Post-Development	Invert:	-2.56 ft	Invert:	-2.75 ft

From Node:	EX7S16	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	EX7S15	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	68.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7S18_S16		Upstream		Downstream	
Scenario:	Post-Development	Invert:	-2.51 ft	Invert:	-2.56 ft
From Node:	EX7S18	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	EX7S16	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX7S45_7GW8

Scenario:	Post-Development
From Node:	EX7S45
To Node:	7GW8
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S66_7GW8	1.44	EX7S45	1.44	EX7S45

Comment:

Pipe Link: EX7S45_S86		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.54 ft	Invert:	1.24 ft
From Node:	EX7S45	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S86	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	75.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX7S66_7GW8

Scenario: Post-Development
From Node: EX7S66
To Node: 7GW8
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S66_7GW8	1.44	EX7S66	1.44	EX7S66

Comment:

Pipe Link: EX7S66_S45		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX7S66	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S45	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	409.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX7S68_7GW3	
Scenario:	Post-Development
From Node:	EX7S68
To Node:	7GW3
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S11_7GW3	1.44	EX7S68	1.44	EX7S68

Comment:

Pipe Link: EX7S68_S69		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	0.94 ft
From Node:	EX7S68	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EXCS7S69+1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	8.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7S74_S206		Upstream		Downstream	
Scenario:	Post-Development	Invert:	2.44 ft	Invert:	1.54 ft
From Node:	EX7S74	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR7S206	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	325.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7S74_S76		Upstream		Downstream	
Scenario:	Post-Development	Invert:	2.44 ft	Invert:	1.24 ft
From Node:	EX7S74	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EXCS7S76+1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	191.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX7S74_WEIR			
Scenario:	Post-Development	Bottom Clip	
From Node:	SWALE 7W1	Default:	0.00 ft
To Node:	EX7S74	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.49 ft	Discharge Coefficients	
Control Elevation:	5.49 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	4.50 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Rating Curve Link: EX7S77_7GW7	
Scenario:	Post-Development
From Node:	EX7S77
To Node:	7GW7
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S77_7GW7	1.44	EX7S77	1.44	EX7S77

Comment:

Pipe Link: EX7S77_S76		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.24 ft
From Node:	EX7S77	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EXCS7S76+1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	155.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX7S77_WEIR			
Scenario:	Post-Development	Bottom Clip	
From Node:	POND 7W1	Default:	0.00 ft
To Node:	EX7S77	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.94 ft	Discharge Coefficients	
Control Elevation:	4.94 ft	Weir Default:	2.800
Max Depth:	3.08 ft	Weir Table:	
Max Width:	4.08 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EX7S78_S77		Upstream		Downstream	
Scenario:	Post-Development	Invert:	5.04 ft	Invert:	4.94 ft
From Node:	EX7S78	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S77	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	66.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX7S86_7GW7

Scenario: Post-Development
From Node: EX7S86
To Node: 7GW7
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S77_7GW7	1.44	EX7S86	1.44	EX7S86

Comment:

Pipe Link: EX7S86_S77

		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX7S86	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S77	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	688.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX7S8A_7GW2

Scenario: Post-Development
From Node: EX7S8A
To Node: 7GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S8A_7GW2	1.44	EX7S8A	1.44	EX7S8A

Comment:

Pipe Link: EX7S8A_S11		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX7S8A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S11	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	93.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX7S90_7GW10

Scenario: Post-Development
From Node: EX7S90
To Node: 7GW10
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S90_7GW10	1.44	EX7S90	1.44	EX7S90

Comment:

Rating Curve Link: EX7S90_7GW9

Scenario: Post-Development
From Node: EX7S90
To Node: 7GW9
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S86_7GW9	1.44	EX7S90	1.44	EX7S90

Comment:

Pipe Link: EX7S90_S72A		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX7S90	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S72A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	145.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7S90_S86		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX7S90	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S86	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	261.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Pipe Link: EX7S91_S18		Upstream		Downstream	
Scenario:	Post-Development	Invert:	0.94 ft	Invert:	0.74 ft
From Node:	EX7S91	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S18	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	74.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX7S92_7GW11

Scenario:	Post-Development
From Node:	EX7S92
To Node:	7GW11
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S92_7GW11	1.44	EX7S92	1.44	EX7S92

Comment:

Pipe Link: EX7S92_S91

		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	0.94 ft
From Node:	EX7S92	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S91	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7S92_S94

		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX7S92	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S94	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	226.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Pipe Link: EX7S93_S18		Upstream		Downstream	
Scenario:	Post-Development	Invert:	0.62 ft	Invert:	-2.06 ft
From Node:	EX7S93	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S18	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	150.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX7S94_7GW11

Scenario:	Post-Development
From Node:	EX7S94
To Node:	7GW11
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX7S92_7GW11	1.44	EX7S94	1.44	EX7S94

Comment:

Pipe Link: EX7S94_S93		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.34 ft
From Node:	EX7S94	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S93	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	12.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7S97_S93		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	0.62 ft
From Node:	EX7S97	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	EX7S93	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	220.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX8S01_8GW1

Scenario:	Post-Development
From Node:	EX8S01
To Node:	8GW1
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S01_8GW1	1.44	EX8S01	1.44	EX8S01

Comment:

Pipe Link: EX8S01_S15A		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft

From Node:	EX8S01	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S15A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	877.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX8S06_8GW3

Scenario: Post-Development
From Node: EX8S06
To Node: 8GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S5A_8GW3	1.44	EX8S06	1.44	EX8S06

Comment:

Pipe Link: EX8S06_S12

			Upstream		Downstream
Scenario:	Post-Development	Invert:	2.44 ft	Invert:	2.14 ft
From Node:	EX8S06	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S12	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	292.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S101_S70		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.77 ft	Invert:	-3.56 ft
From Node:	EX8S101	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S70	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	270.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX8S12_S201		Upstream		Downstream	
Scenario:	Post-Development	Invert:	2.14 ft	Invert:	1.94 ft
From Node:	EX8S12	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR8S201	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	97.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX8S12_S74		Upstream		Downstream	
Scenario:	Post-Development	Invert:	2.14 ft	Invert:	1.44 ft
From Node:	EX8S12	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S74	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	78.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX8S139D_8GW14

Scenario: Post-Development
From Node: EX8S139D
To Node: 8GW14
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S40W6_8GW14	1.44	EX8S139D	1.44	EX8S139D

Comment:

Rating Curve Link: EX8S139D_8GW15

Scenario: Post-Development
From Node: EX8S139D
To Node: 8GW15
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S139D_8GW15	1.44	EX8S139D	1.44	EX8S139D

Comment:

Pipe Link: EX8S139D_S99

		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX8S139D	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	EX8S99	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	512.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft

	Op Table:		Op Table:
	Ref Node:		Ref Node:
	Manning's N:	0.0000	Manning's N: 0.0000

Comment: Existing trench.

Rating Curve Link: EX8S15A_8GW1

Scenario: Post-Development
From Node: EX8S15A
To Node: 8GW1
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S01_8GW1	1.44	EX8S15A	1.44	EX8S15A

Comment:

Pipe Link: EX8S15A_S17

Scenario: Post-Development
From Node: EX8S15A
To Node: EX8S17
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 21.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	1.54 ft	Invert:	1.44 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX8S17_8GW2

Scenario: Post-Development
From Node: EX8S17
To Node: 8GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S17_8GW2	1.44	EX8S17	1.44	EX8S17

Comment:

Pipe Link: EX8S17_S21		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX8S17	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S21	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	109.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX8S21_8GW2

Scenario: Post-Development
From Node: EX8S21
To Node: 8GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S17_8GW2	1.44	EX8S21	1.44	EX8S21

Comment:

Pipe Link: EX8S21_S45		Upstream		Downstream	
Scenario:	Post-Development	Invert:	0.94 ft	Invert:	0.67 ft
From Node:	EX8S21	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S45	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	25.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S40E1_S99		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX8S40E1	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	EX8S99	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	584.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing trench.

Rating Curve Link: EX8S40W1_8GW11

Scenario:	Post-Development
From Node:	EX8S40W1
To Node:	8GW11
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S40W1_8GW11	1.44	EX8S40W1	1.44	EX8S40W1

Comment:

Pipe Link: EX8S40W1_W2		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX8S40W1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S40W2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	159.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX8S40W2_8GW11

Scenario: Post-Development
From Node: EX8S40W2
To Node: 8GW11
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S40W1_8GW11	1.44	EX8S40W2	1.44	EX8S40W2

Comment:

Pipe Link: EX8S40W2_W3		Upstream		Downstream	
Scenario:	Post-Development	Invert:	3.08 ft	Invert:	2.94 ft
From Node:	EX8S40W2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S40W3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	115.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S40W3_W4		Upstream		Downstream	
Scenario:	Post-Development	Invert:	2.94 ft	Invert:	2.94 ft
From Node:	EX8S40W3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S40W4	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	335.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX8S40W4_8GW13

Scenario: Post-Development
From Node: EX8S40W4
To Node: 8GW13
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S40W4_8GW13	1.44	EX8S40W4	1.44	EX8S40W4

Comment:

Pipe Link: EX8S40W4_W6		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX8S40W4	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	EX8S40W6	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	225.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing trench.

Rating Curve Link: EX8S40W5_8GW12

Scenario: Post-Development
From Node: EX8S40W5
To Node: 8GW12
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S40W5_8GW12	1.44	EX8S40W5	1.44	EX8S40W5

Comment:

Pipe Link: EX8S40W5_W7

Scenario: Post-Development
From Node: EX8S40W5
To Node: EX8S40W7
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 155.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	1.44 ft	Invert:	1.44 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX8S40W6_8GW13

Scenario: Post-Development
From Node: EX8S40W6
To Node: 8GW13
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S40W4_8GW13	1.44	EX8S40W6	1.44	EX8S40W6

Comment:

Rating Curve Link: EX8S40W6_8GW14

Scenario: Post-Development
From Node: EX8S40W6

To Node: 8GW14
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S40W6_8GW14	1.44	EX8S40W6	1.44	EX8S40W6

Comment:

Pipe Link: EX8S40W6_S139D		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX8S40W6	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	EX8S139D	Geometry:	Rectangular	Geometry:	Rectangular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	3.00 ft	Max Width:	3.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	369.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing trench.

Rating Curve Link: EX8S40W7_8GW12

Scenario: Post-Development
From Node: EX8S40W7
To Node: 8GW12
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S40W5_8GW12	1.44	EX8S40W7	1.44	EX8S40W7

Comment:

Pipe Link: EX8S40W7_W6		Upstream		Downstream	
Scenario:	Post-Development	Invert:	3.08 ft	Invert:	3.31 ft
From Node:	EX8S40W7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S40W6	Geometry:	Circular	Geometry:	Circular

Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	110.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S40W8_W7		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.54 ft	Invert:	1.44 ft
From Node:	EX8S40W8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S40W7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	108.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S40W9_S139D		Upstream		Downstream	
Scenario:	Post-Development	Invert:	4.54 ft	Invert:	4.75 ft
From Node:	EX8S40W9	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S139D	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	78.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S45_S47		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.07 ft	Invert:	0.88 ft
From Node:	EX8S45	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S47	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	3.17 ft	Max Depth:	3.17 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	300.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S47_PND8E1		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.24 ft	Invert:	0.64 ft
From Node:	EX8S47	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 8E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	558.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX8S5A_8GW3	
Scenario:	Post-Development
From Node:	EX8S5A
To Node:	8GW3
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S5A_8GW3	1.44	EX8S5A	1.44	EX8S5A

Comment:

Pipe Link: EX8S5A_S06		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX8S5A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S06	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	110.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Pipe Link: EX8S70_CANAL1		Upstream		Downstream	
Scenario:	Post-Development	Invert:	-3.56 ft	Invert:	-4.16 ft
From Node:	EX8S70	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CANAL 1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	1600.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX8S72A_7GW10	
Scenario:	Post-Development
From Node:	EX8S72A

To Node: 7GW10
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S72A_8GW10	1.44	EX8S72A	1.44	EX8S72A

Comment:

Rating Curve Link: EX8S72A_8GW10

Scenario: Post-Development
From Node: EX8S72A
To Node: 8GW10
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S72A_8GW10	1.44	EX8S72A	1.44	EX8S72A

Comment:

Rating Curve Link: EX8S74_8GW10

Scenario: Post-Development
From Node: EX8S74
To Node: 8GW10
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S72A_8GW10	1.44	EX8S74	1.44	EX8S74

Comment:

Rating Curve Link: EX8S74_8GW5

Scenario: Post-Development
From Node: EX8S74
To Node: 8GW5
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S74_8GW5	1.44	EX8S74	1.44	EX8S74

Comment:

Pipe Link: EX8S74_S72A		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX8S74	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S72A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	145.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Pipe Link: EX8S74_S81		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX8S74	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S81	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	456.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX8S81_8GW5

Scenario: Post-Development
From Node: EX8S81
To Node: 8GW5
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S74_8GW5	1.44	EX8S81	1.44	EX8S81

Comment:

Rating Curve Link: EX8S81_8GW6

Scenario: Post-Development
From Node: EX8S81
To Node: 8GW6
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S81_8GW6	1.44	EX8S81	1.44	EX8S81

Comment:

Pipe Link: EX8S81_S203		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.64 ft	Invert:	1.34 ft
From Node:	EX8S81	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR8S203	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	181.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S81_S83		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX8S81	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S83	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	219.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX8S83_8GW6

Scenario: Post-Development
From Node: EX8S83
To Node: 8GW6
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S81_8GW6	1.44	EX8S83	1.44	EX8S83

Comment:

Pipe Link: EX8S83_S85

Scenario: Post-Development
From Node: EX8S83
To Node: EX8S85
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 394.50 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	1.44 ft	Invert:	1.44 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX8S85B_8GW8

Scenario: Post-Development
From Node: EX8S85B
To Node: 8GW8
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S85B_8GW8	1.44	EX8S85B	1.44	EX8S85B

Comment:

Pipe Link: EX8S85B_S88

Scenario: Post-Development
From Node: EX8S85B

Upstream		Downstream	
Invert:	1.44 ft	Invert:	1.44 ft
Manning's N:	0.0120	Manning's N:	0.0120

To Node:	EX8S88	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	359.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX8S85_8GW7

Scenario: Post-Development
From Node: EX8S85
To Node: 8GW7
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S85_8GW7	1.44	EX8S85	1.44	EX8S85

Comment:

Pipe Link: EX8S85_S85B		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.54 ft	Invert:	1.44 ft
From Node:	EX8S85	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S85B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	72.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S85_S87		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX8S85	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S87	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	358.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX8S87_8GW7

Scenario: Post-Development
From Node: EX8S87
To Node: 8GW7
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S85_8GW7	1.44	EX8S87	1.44	EX8S87

Comment:

Pipe Link: EX8S87_S88		Upstream		Downstream	
Scenario:	Post-Development	Invert:	0.94 ft	Invert:	0.74 ft
From Node:	EX8S87	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S88	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	79.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX8S87_WEIR			
Scenario:	Post-Development	Bottom Clip	
From Node:	SWALE 8W1	Default:	0.00 ft
To Node:	EX8S87	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.69 ft	Discharge Coefficients	
Control Elevation:	4.69 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	4.50 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Rating Curve Link: EX8S88_8GW8	
Scenario:	Post-Development
From Node:	EX8S88
To Node:	8GW8
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S85B_8GW8	1.44	EX8S88	1.44	EX8S88

Comment:

Pipe Link: EX8S88_S98		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.24 ft	Invert:	2.14 ft
From Node:	EX8S88	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S98	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	279.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX8S98_PND8E2		Upstream		Downstream	
Scenario:	Post-Development	Invert:	2.14 ft	Invert:	2.44 ft
From Node:	EX8S98	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 8E2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	118.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX8S99_8GW15

Scenario: Post-Development
From Node: EX8S99
To Node: 8GW15
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S139D_8GW15	1.44	EX8S99	1.44	EX8S99

Comment:

Rating Curve Link: EX8S99_8GW16

Scenario: Post-Development
From Node: EX8S99
To Node: 8GW16
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S99_8GW16	1.44	EX8S99	1.44	EX8S99

Comment:

Pipe Link: EX8S99_S101		Upstream		Downstream	
Scenario:	Post-Development	Invert:	2.44 ft	Invert:	2.12 ft
From Node:	EX8S99	Manning's N:	0.0150	Manning's N:	0.0150

To Node:	EX8S101	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	105.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX9S101_S96		Upstream		Downstream	
Scenario:	Post-Development	Invert:	6.24 ft	Invert:	1.94 ft
From Node:	EX9S101	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S96	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	315.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX9S104_9GW6

Scenario:	Post-Development
From Node:	PR9S202
To Node:	9GW6
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S104_9GW6	1.44	PR9S202	1.44	PR9S202

Comment:

Rating Curve Link: EX9S107_9GW7

Scenario: Post-Development
From Node: PR9S212
To Node: 9GW7
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S107_9GW7	1.44	PR9S212	1.44	PR9S212

Comment:

Rating Curve Link: EX9S110_9GW6

Scenario: Post-Development
From Node: PR9S212
To Node: 9GW6
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S104_9GW6	1.44	PR9S212	1.44	PR9S212

Comment:

Rating Curve Link: EX9S40E1_8GW16

Scenario: Post-Development
From Node: EX8S40E1
To Node: 8GW16
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX8S99_8GW16	1.44	EX8S40E1	1.44	EX8S40E1

Comment:

Rating Curve Link: EX9S49_9GW15

Scenario: Post-Development
From Node: EX9S49
To Node: 9GW15
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S49_9GW15	1.44	EX9S49	1.44	EX9S49

Comment:

Pipe Link: EX9S49_S129		Upstream		Downstream	
Scenario:	Post-Development	Invert:	0.94 ft	Invert:	0.84 ft
From Node:	EX9S49	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EXCS9S129+1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	20.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX9S55_9GW15

Scenario: Post-Development
From Node: EX9S55
To Node: 9GW15
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S49_9GW15	1.44	EX9S55	1.44	EX9S55

Comment:

Pipe Link: EX9S55_S49		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX9S55	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S49	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	289.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX9S57_9GW1

Scenario: Post-Development
From Node: EX9S57
To Node: 9GW1
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S57_9GW1	1.44	EX9S57	1.44	EX9S57

Comment:

Pipe Link: EX9S57_S55

		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.64 ft	Invert:	1.44 ft
From Node:	EX9S57	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S55	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX9S58_9GW1

Scenario: Post-Development
From Node: EX9S58
To Node: 9GW1
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S57_9GW1	1.44	EX9S58	1.44	EX9S58

Comment:

Pipe Link: EX9S58_S57		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX9S58	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S57	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	172.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX9S63_9GW2

Scenario: Post-Development
From Node: EX9S63
To Node: 9GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S63_9GW2	1.44	EX9S63	1.44	EX9S63

Comment:

Rating Curve Link: EX9S69_9GW3

Scenario: Post-Development
From Node: EX9S69
To Node: 9GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S69_9GW3	1.44	EX9S69	1.44	EX9S69

Comment:

Rating Curve Link: EX9S79_9GW4

Scenario: Post-Development
From Node: EX9S79
To Node: 9GW4
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S79_9GW4	1.44	EX9S79	1.44	EX9S79

Comment:

Pipe Link: EX9S82_CANAL2

Scenario: Post-Development
From Node: EX9S82
To Node: CANAL 2
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 300.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	1.02 ft	Invert:	-1.56 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.50 ft	Max Depth:	2.50 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX9S85_9GW5

Scenario: Post-Development
From Node: PR9S213
To Node: 9GW5
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S85_9GW5	1.44	PR9S213	1.44	PR9S213

Comment:

Rating Curve Link: EX9S87A_9GW11

Scenario: Post-Development
From Node: EX9S87A

To Node: 9GW11
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S87A_9GW11	1.44	EX9S87A	1.44	EX9S87A

Comment:

Pipe Link: EX9S87A_S139C		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX9S87A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EXCS9S139C+1	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	65.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX9S87A_S201		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX9S87A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR9S201	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	165.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX9S90A_9GW13

Scenario: Post-Development
From Node: EX9S90A
To Node: 9GW13
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S90A_9GW13	1.44	EX9S90A	1.44	EX9S90A

Comment:

Pipe Link: EX9S90A_S90

Scenario: Post-Development
From Node: EX9S90A
To Node: EX9S90
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 34.50 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	1.34 ft	Invert:	1.44 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX9S90_9GW14

Scenario: Post-Development
From Node: EX9S90
To Node: 9GW14
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S90_9GW14	1.44	EX9S90	1.44	EX9S90

Comment:

Weir Link: EX9S90_WEIR

Scenario: Post-Development
From Node: POND 9W1

Bottom Clip	
Default:	0.00 ft

To Node:	EX9S90		
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	5.44 ft	Ref Node:	
Control Elevation:	5.44 ft	**Discharge Coefficients**	
Max Depth:	3.08 ft	Weir Default:	2.800
Max Width:	4.08 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Rating Curve Link: EX9S91A_9GW12

Scenario: Post-Development
From Node: PR9S201
To Node: 9GW12
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S91A_9GW12	1.44	PR9S201	1.44	PR9S201

Comment:

Rating Curve Link: EX9S91A_9W11

Scenario: Post-Development
From Node: PR9S201
To Node: 9GW11
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S87A_9GW11	1.44	PR9S201	1.44	PR9S201

Comment:

Rating Curve Link: EX9S94_9GW12

Scenario: Post-Development
From Node: EX9S94
To Node: 9GW12
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S91A_9GW12	1.44	EX9S94	1.44	EX9S94

Comment:

Pipe Link: EX9S94_S201		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX9S94	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR9S201	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	290.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: EX9S96_9GW14

Scenario: Post-Development
From Node: EX9S96
To Node: 9GW14
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX9S90_9GW14	1.44	EX9S96	1.44	EX9S96

Comment:

Pipe Link: EX9S96_S90		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EX9S96	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S90	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	408.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Pipe Link: EXCS7AS12_TPL		Upstream		Downstream	
Scenario:	Post-Development	Invert:	0.84 ft	Invert:	0.54 ft
From Node:	EXCS7AS12+2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	TROPICAL PARK	Geometry: Circular		Geometry: Circular	
	LAKE	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	12.50 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EXCS7AS12_WEIR			
Scenario:	Post-Development	Bottom Clip	
From Node:	EXCS7AS12+1	Default:	0.00 ft
To Node:	EXCS7AS12+2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.94 ft	Discharge Coefficients	
Control Elevation:	2.94 ft	Weir Default:	2.800
Max Depth:	6.00 ft	Weir Table:	
Max Width:	2.50 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EXCS7AS1B_PL	Upstream	Downstream

Scenario:	Post-Development	Invert:	0.84 ft	Invert:	0.54 ft
From Node:	EXCS7AS1B+2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PATRICIA LAKE	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EXCS7AS1B_WEIR

Scenario:	Post-Development	Bottom Clip	
From Node:	EXCS7AS1B+1	Default:	0.00 ft
To Node:	EXCS7AS1B+2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.94 ft	Discharge Coefficients	
Control Elevation:	2.94 ft	Weir Default:	2.800
Max Depth:	2.50 ft	Weir Table:	
Max Width:	6.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EXCS7S69_TPL

		Upstream		Downstream	
Scenario:	Post-Development	Invert:	-2.45 ft	Invert:	-3.36 ft
From Node:	EXCS7S69+2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	TROPICAL PARK LAKE	Geometry: Circular		Geometry: Circular	
		Max Depth:	4.50 ft	Max Depth:	4.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	193.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	

Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EXCS7S69_WEIR			
Scenario:	Post-Development	Bottom Clip	
From Node:	EXCS7S69+1	Default:	0.00 ft
To Node:	EXCS7S69+2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.94 ft	Discharge Coefficients	
Control Elevation:	2.94 ft	Weir Default:	2.800
Max Depth:	3.33 ft	Weir Table:	
Max Width:	6.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EXCS7S76_TPL		Upstream		Downstream	
Scenario:	Post-Development	Invert:	0.89 ft	Invert:	0.19 ft
From Node:	EXCS7S76+2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	TROPICAL PARK	Geometry: Circular		Geometry: Circular	
	LAKE	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	16.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EXCS7S76_WEIR			
Scenario:	Post-Development	Bottom Clip	
From Node:	EXCS7S76+1	Default:	0.00 ft
To Node:	EXCS7S76+2	Op Table:	
Link Count:	1	Ref Node:	

Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	2.94 ft
Control Elevation:	2.94 ft
Max Depth:	2.29 ft
Max Width:	6.00 ft
Fillet:	0.00 ft

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: EXCS9S129_8S99		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.09 ft	Invert:	1.69 ft
From Node:	EXCS9S129+2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S99	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EXCS9S129_WEIR	
Scenario:	Post-Development
From Node:	EXCS9S129+1
To Node:	EXCS9S129+2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	2.99 ft
Control Elevation:	2.99 ft
Max Depth:	3.41 ft
Max Width:	4.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: EXCS9S139C_S139D		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	EXCS9S139C+2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S139D	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	157.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EXCS9S139C_WEIR			
Scenario:	Post-Development	Bottom Clip	
From Node:	EXCS9S139C+1	Default:	0.00 ft
To Node:	EXCS9S139C+2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.99 ft	Discharge Coefficients	
Control Elevation:	2.99 ft	Weir Default:	2.800
Max Depth:	3.41 ft	Weir Table:	
Max Width:	4.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EXCS9S80A_S82		Upstream		Downstream	
Scenario:	Post-Development	Invert:	-2.06 ft	Invert:	-2.16 ft
From Node:	EXCS9S80A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S82	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EXCS9S80A_WEIR

Scenario:	Post-Development	**Bottom Clip**	
From Node:	POND 9E6	Default:	0.00 ft
To Node:	EXCS9S80A	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.99 ft	**Discharge Coefficients**	
Control Elevation:	2.99 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	6.58 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EXCS9S80_S82

		Upstream		Downstream	
Scenario:	Post-Development	Invert:	-2.06 ft	Invert:	-2.16 ft
From Node:	EXCS9S80	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S82	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EXCS9S80_WEIR

Scenario:	Post-Development	**Bottom Clip**	
From Node:	POND 9E5	Default:	0.00 ft
To Node:	EXCS9S80	Op Table:	

Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.99 ft
Control Elevation:	2.99 ft
Max Depth:	3.00 ft
Max Width:	6.58 ft
Fillet:	0.00 ft

Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: PND8E2_PND8E1		Upstream		Downstream	
Scenario:	Post-Development	Invert:	2.44 ft	Invert:	2.44 ft
From Node:	POND 8E2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 8E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	130.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PND9E2_S58		Upstream		Downstream	
Scenario:	Post-Development	Invert:	2.44 ft	Invert:	2.34 ft
From Node:	POND 9E2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S58	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	13.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PND9E2_S63		Upstream		Downstream	
Scenario:	Post-Development	Invert:	2.44 ft	Invert:	2.34 ft
From Node:	POND 9E2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S63	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	8.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PND9E2_S69		Upstream		Downstream	
Scenario:	Post-Development	Invert:	2.44 ft	Invert:	2.34 ft
From Node:	POND 9E2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S69	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	7.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PND9E4_PND9E2		Upstream		Downstream	
Scenario:	Post-Development	Invert:	2.64 ft	Invert:	2.44 ft
From Node:	POND 9E4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 9E2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	190.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PND9E5_S79		Upstream		Downstream	
Scenario:	Post-Development	Invert:	2.44 ft	Invert:	2.34 ft
From Node:	POND 9E5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S79	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	7.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PND9E6_S213		Upstream		Downstream	
Scenario:	Post-Development	Invert:	2.44 ft	Invert:	1.44 ft
From Node:	POND 9E6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR9S213	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	3.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR7S201_S15		Upstream		Downstream	
Scenario:	Post-Development	Invert:	0.04 ft	Invert:	-0.56 ft
From Node:	PR7S201	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S15	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	213.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR7S202_7GW12

Scenario: Post-Development
From Node: PR7S202
To Node: 7GW12
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR7S202_7GW12	1.44	PR7S202	1.44	PR7S202

Comment:

Pipe Link: PR7S202_S201		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	0.44 ft
From Node:	PR7S202	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR7S201	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	224.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR7S203_7GW12

Scenario: Post-Development
From Node: PR7S203
To Node: 7GW12
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR7S202_7GW12	1.44	PR7S203	1.44	PR7S203

Comment:

Rating Curve Link: PR7S203_7GW13

Scenario: Post-Development
From Node: PR7S203
To Node: 7GW13
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR7S203_7GW13	1.44	PR7S203	1.44	PR7S203

Comment:

Pipe Link: PR7S203_S202

Scenario: Post-Development
From Node: PR7S203
To Node: PR7S202
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 251.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	1.44 ft	Invert:	1.44 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: PR7S204_7GW13

Scenario: Post-Development
From Node: PR7S204

To Node: 7GW13
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR7S203_7GW13	1.44	PR7S204	1.44	PR7S204

Comment:

Pipe Link: PR7S204_S203		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	PR7S204	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR7S203	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	374.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Pipe Link: PR7S205_S204		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.54 ft	Invert:	1.44 ft
From Node:	PR7S205	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR7S204	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	148.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR7S205_S66		Upstream		Downstream	
Scenario:	Post-Development	Invert:	3.94 ft	Invert:	3.64 ft
From Node:	PR7S205	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7S66	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	64.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR7S206_7GW14

Scenario: Post-Development
From Node: PR7S206
To Node: 7GW14
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR7S206_7GW14	1.44	PR9S206	1.44	PR7S206

Comment:

Pipe Link: PR7S206_S69		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.54 ft	Invert:	1.44 ft
From Node:	PR7S206	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EXCS7S69+1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	9.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR7S207_7GW14

Scenario: Post-Development
From Node: PR7S207
To Node: 7GW14
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR7S206_7GW14	1.44	PR9S207	1.44	PR9S207

Comment:

Pipe Link: PR7S207_S206		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	PR7S207	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR7S206	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	255.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR8S201_S202		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.94 ft	Invert:	1.74 ft
From Node:	PR8S201	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR8S202	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR8S202_S17		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.74 ft	Invert:	1.44 ft
From Node:	PR8S202	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S17	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	105.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: PR8S202_S203		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.74 ft	Invert:	1.34 ft
From Node:	PR8S202	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR8S203	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	340.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: PR8S203_S204		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.34 ft	Invert:	1.24 ft
From Node:	PR8S203	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR8S204	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	100.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR8S204_S205		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.24 ft	Invert:	1.04 ft
From Node:	PR8S204	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR8S205	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR8S205_PND8E1		Upstream		Downstream	
Scenario:	Post-Development	Invert:	2.54 ft	Invert:	2.44 ft
From Node:	PR8S205	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 8E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	154.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Pipe Link: PR8S206_PND8E1		Upstream		Downstream	
Scenario:	Post-Development	Invert:	2.54 ft	Invert:	2.44 ft

From Node:	PR8S206	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 8E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	130.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR9S201_S90A		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.24 ft	Invert:	1.34 ft
From Node:	PR9S201	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S90A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	64.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR9S202_S203		Upstream		Downstream	
Scenario:	Post-Development	Invert:	2.74 ft	Invert:	2.24 ft
From Node:	PR9S202	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR9S203	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	227.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR9S202_S204		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	PR9S202	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR9S204	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	484.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Pipe Link: PR9S203_PND9E4		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.24 ft	Invert:	2.44 ft
From Node:	PR9S203	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 9E4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	198.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR9S203_S15		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.24 ft	Invert:	1.54 ft
From Node:	PR9S203	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S15	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	204.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR9S204_S212		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.84 ft
From Node:	PR9S204	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR9S212	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	104.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR9S205_S206		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.54 ft	Invert:	1.54 ft
From Node:	PR9S205	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR9S206	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	148.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR9S206_PND9E5		Upstream		Downstream	
Scenario:	Post-Development	Invert:	5.44 ft	Invert:	2.44 ft
From Node:	PR9S206	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 9E5	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	286.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR9S206_S207		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	PR9S206	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR9S207	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	243.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: PR9S207_9GW16	
Scenario:	Post-Development
From Node:	PR9S207
To Node:	9GW16
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR9S207_9GW16	1.44	PR9S207	1.44	PR9S207

Comment:

Pipe Link: PR9S207_S208		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	PR9S207	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR9S208	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	204.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: PR9S208_9GW16

Scenario: Post-Development
From Node: PR9S208
To Node: 9GW16
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR9S207_9GW16	1.44	PR9S208	1.44	PR9S208

Comment:

Pipe Link: PR9S208_S209		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.44 ft	Invert:	1.44 ft
From Node:	PR9S208	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PRCS9S209+1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR9S210_9GW17

Scenario: Post-Development
From Node: PR9S210
To Node: 9GW17
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR9S210_9GW17	1.44	PR9S210	1.44	PR9S210

Comment:

Pipe Link: PR9S210_S209

Scenario:	Post-Development	Upstream		Downstream	
From Node:	PR9S210	Invert:	1.44 ft	Invert:	1.44 ft
To Node:	PRCS9S209+3	Manning's N:	0.0120	Manning's N:	0.0120
Link Count:	1	Geometry: Circular		Geometry: Circular	
Flow Direction:	Both	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Damping:	0.0000 ft	Bottom Clip			
Length:	10.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00	Top Clip			
Bend Location:	0.00 ft	Default:	0.00 ft	Default:	0.00 ft
Energy Switch:	Energy	Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: PR9S210_WEIR

Scenario:	Post-Development	Bottom Clip	
From Node:	POND 9W5	Default:	0.00 ft
To Node:	PR9S210	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.44 ft
Control Elevation:	2.44 ft
Max Depth:	3.08 ft
Max Width:	4.08 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Rating Curve Link: PR9S211_9GW17

Scenario:	Post-Development
From Node:	PR9S211
To Node:	9GW17
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR9S210_9GW17	1.44	PR9S211	1.44	PR9S211

Comment:

Pipe Link: PR9S211_S210

Scenario:	Post-Development
From Node:	PR9S211
To Node:	PR9S210
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	567.00 ft
FHWA Code:	0
Entr Loss Coef:	0.50
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 ft
Energy Switch:	Energy

Upstream		Downstream	
Invert:	1.44 ft	Invert:	1.44 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: Existing French drain.

Rating Curve Link: PR9S212_9GW19

Scenario:	Post-Development
From Node:	PR9S212

To Node: 9GW19
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR9S212_9GW19	1.44	PR9S212	1.44	PR9S212

Comment:

Pipe Link: PR9S212_S205		Upstream		Downstream	
Scenario:	Post-Development	Invert:	1.64 ft	Invert:	1.44 ft
From Node:	PR9S212	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR9S205	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	125.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: PR9S212_WEIR			
Scenario:	Post-Development	Bottom Clip	
From Node:	POND 9W2	Default:	0.00 ft
To Node:	PR9S212	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.44 ft	Discharge Coefficients	
Control Elevation:	2.44 ft	Weir Default:	2.800
Max Depth:	3.08 ft	Weir Table:	
Max Width:	4.08 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Rating Curve Link: PR9S213_9GW18

Scenario: Post-Development
From Node: PR9S213
To Node: 9GW18
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR9S213_9GW18	1.44	PR9S213	1.44	PR9S213

Comment:

Pipe Link: PRCS8S207_S70		Upstream		Downstream	
Scenario:	Post-Development	Invert:	-3.36 ft	Invert:	-3.56 ft
From Node:	PRCS8S207	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX8S70	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	75.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: PRCS8S207_WEIR			
Scenario:	Post-Development	Bottom Clip	
From Node:	POND 8E1	Default:	0.00 ft
To Node:	PRCS8S207	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.99 ft	Discharge Coefficients	
Control Elevation:	2.99 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	6.58 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: PRCS9S209_S82		Upstream		Downstream	
Scenario:	Post-Development	Invert:	0.64 ft	Invert:	1.02 ft
From Node:	PRCS9S209+2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX9S82	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	351.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: PRCS9S209_WEIR1			
Scenario:	Post-Development	Bottom Clip	
From Node:	PRCS9S209+1	Default:	0.00 ft
To Node:	PRCS9S209+2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.99 ft	Discharge Coefficients	
Control Elevation:	2.99 ft	Weir Default:	2.800
Max Depth:	2.58 ft	Weir Table:	
Max Width:	4.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Weir Link: PRCS9S209_WEIR2			
Scenario:	Post-Development	Bottom Clip	
From Node:	PRCS9S209+3	Default:	0.00 ft
To Node:	PRCS9S209+2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.99 ft	Discharge Coefficients	
Control Elevation:	2.99 ft	Weir Default:	2.800
Max Depth:	2.58 ft	Weir Table:	

Max Width: 4.00 ft
Fillet: 0.00 ft
Orifice Default: 0.600
Orifice Table:

Comment:

Rating Curve: EX7AS01_7GW1

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	31.89
1.44	7.44	31.89
2.94	2.94	0.00
2.94	3.94	19.27
2.94	7.44	31.89

Comment:

Rating Curve: EX7AS01_7GW15

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	4.05
1.44	7.44	4.05
2.94	2.94	0.00
2.94	3.94	2.45
2.94	7.44	4.05

Comment:

Rating Curve: EX7S11_7GW3

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	8.27
1.44	7.44	8.27
2.94	2.94	0.00

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
2.94	3.94	4.18
2.94	7.44	8.27

Comment:

Rating Curve: EX7S13_7GW4

Scenario: Post-Development

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	7.65
1.44	7.44	7.65
2.94	2.94	0.00
2.94	3.94	3.87
2.94	7.44	7.65

Comment:

Rating Curve: EX7S66_7GW8

Scenario: Post-Development

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	13.28
1.44	7.44	13.28
2.94	2.94	0.00
2.94	3.94	6.72
2.94	7.44	13.28

Comment:

Rating Curve: EX7S77_7GW7

Scenario: Post-Development

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	24.92
1.44	7.44	24.92

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
2.94	2.94	0.00
2.94	3.94	12.61
2.94	7.44	24.92

Comment:

Rating Curve: EX7S86_7GW9

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	9.19
1.44	7.44	9.19
2.94	2.94	0.00
2.94	3.94	4.65
2.94	7.44	9.19

Comment:

Rating Curve: EX7S8A_7GW2

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	2.89
1.44	7.44	2.89
2.94	2.94	0.00
2.94	3.94	1.46
2.94	7.44	2.89

Comment:

Rating Curve: EX7S90_7GW10

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	4.84

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	7.44	4.84
2.94	2.94	0.00
2.94	3.94	2.45
2.94	7.44	4.84

Comment:

Rating Curve: EX7S92_7GW11

Scenario: Post-Development

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	7.88
1.44	7.44	7.88
2.94	2.94	0.00
2.94	3.94	3.98
2.94	7.44	7.88

Comment:

Rating Curve: EX8S01_8GW1

Scenario: Post-Development

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	29.25
1.44	7.44	29.25
2.94	2.94	0.00
2.94	4.69	24.22
2.94	7.44	29.25

Comment:

Rating Curve: EX8S139D_8GW15

Scenario: Post-Development

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	4.44	2.36
1.44	7.64	7.40
2.94	2.94	0.00
2.94	4.44	0.59
2.94	7.64	3.11

Comment:

Rating Curve: EX8S17_8GW2

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	3.51
1.44	7.44	3.51
2.94	2.94	0.00
2.94	4.69	2.90
2.94	7.44	3.51

Comment:

Rating Curve: EX8S40W1_8GW11

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	5.06
1.44	7.44	5.36
2.94	2.94	0.00
2.94	4.69	2.92
2.94	7.44	5.36

Comment:

Rating Curve: EX8S40W4_8GW13

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.44	1.04
1.44	7.56	3.20
2.94	2.94	0.00
2.94	4.44	0.26
2.94	7.56	1.34

Comment:

Rating Curve: EX8S40W5_8GW12

Scenario: Post-Development

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	4.92
1.44	7.44	5.21
2.94	2.94	0.00
2.94	4.69	2.84
2.94	7.44	5.21

Comment:

Rating Curve: EX8S40W6_8GW14

Scenario: Post-Development

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.44	1.70
1.44	7.56	5.24
2.94	2.94	0.00
2.94	4.44	0.43
2.94	7.56	2.20

Comment:

Rating Curve: EX8S49_8GW9

Scenario: Post-Development

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.94	9.75
1.44	7.44	9.75
2.94	2.94	0.00
2.94	4.94	9.33
2.94	7.44	9.75

Comment:

Rating Curve: EX8S54_8GW4

Scenario: Post-Development

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	2.94	5.13
1.44	7.44	8.44
2.94	2.94	0.00
2.94	3.04	0.00
2.94	7.44	8.44

Comment:

Rating Curve: EX8S5A_8GW3

Scenario: Post-Development

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	3.53
1.44	7.44	3.53
2.94	2.94	0.00
2.94	4.69	2.92
2.94	7.44	3.53

Comment:

Rating Curve: EX8S72A_8GW10

Scenario: Post-Development

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	4.84
1.44	7.44	4.84
2.94	2.94	0.00
2.94	4.69	4.01
2.94	7.44	4.84

Comment:

Rating Curve: EX8S74_8GW5

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	15.32
1.44	7.44	15.32
2.94	2.94	0.00
2.94	3.94	7.01
2.94	7.44	15.32

Comment:

Rating Curve: EX8S81_8GW6

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.19	7.63
1.44	7.44	7.63
2.94	2.94	0.00
2.94	4.19	4.41
2.94	7.44	7.63

Comment:

Rating Curve: EX8S85B_8GW8

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.19	12.26
1.44	7.44	12.26
2.94	2.94	0.00
2.94	4.19	7.09
2.94	7.44	12.26

Comment:

Rating Curve: EX8S85_8GW7

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.19	12.23
1.44	7.44	12.23
2.94	2.94	0.00
2.94	4.19	7.07
2.94	7.44	12.23

Comment:

Rating Curve: EX8S99_8GW16

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.44	2.69
1.44	6.87	7.06
2.94	2.94	0.00
2.94	4.44	0.67
2.94	6.87	2.86

Comment:

Rating Curve: EX9S104_9GW6

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	15.43
1.44	7.44	16.35
2.94	2.94	0.00
2.94	4.69	8.90
2.94	7.44	16.35

Comment:

Rating Curve: EX9S107_9GW7

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	31.25
1.44	7.44	33.11
2.94	2.94	0.00
2.94	4.69	18.02
2.94	7.44	33.11

Comment:

Rating Curve: EX9S113_9GW8

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	8.28
1.44	7.44	8.78
2.94	2.94	0.00
2.94	4.69	4.77
2.94	7.44	8.78

Comment:

Rating Curve: EX9S116_9GW9

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	6.00
1.44	7.44	6.36
2.94	2.94	0.00
2.94	4.69	3.46
2.94	7.44	6.36

Comment:

Rating Curve: EX9S119_9GW10

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	23.34
1.44	7.44	24.73
2.94	2.94	0.00
2.94	4.69	13.46
2.94	7.44	24.73

Comment:

Rating Curve: EX9S49_9GW15

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	7.84
1.44	7.44	8.31
2.94	2.94	0.00
2.94	4.69	4.52
2.94	7.44	8.31

Comment:

Rating Curve: EX9S57_9GW1

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	5.54
1.44	7.44	5.87
2.94	2.94	0.00
2.94	4.69	3.19
2.94	7.44	5.87

Comment:

Rating Curve: EX9S63_9GW2

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	4.96
1.44	7.44	5.25
2.94	2.94	0.00
2.94	4.69	2.86
2.94	7.44	5.25

Comment:

Rating Curve: EX9S69_9GW3

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	9.27
1.44	7.44	9.82
2.94	2.94	0.00
2.94	4.69	5.35
2.94	7.44	9.82

Comment:

Rating Curve: EX9S79_9GW4

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	27.08
1.44	7.44	28.69
2.94	2.94	0.00
2.94	4.69	15.61
2.94	7.44	28.69

Comment:

Rating Curve: EX9S85_9GW5

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	13.34
1.44	7.44	14.14
2.94	2.94	0.00
2.94	4.69	7.69
2.94	7.44	14.14

Comment:

Rating Curve: EX9S87A_9GW11

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	5.29
1.44	7.44	5.61
2.94	2.94	0.00
2.94	4.69	3.05
2.94	7.44	5.61

Comment:

Rating Curve: EX9S90A_9GW13

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	4.96
1.44	7.44	5.25
2.94	2.94	0.00
2.94	4.69	2.86
2.94	7.44	5.25

Comment:

Rating Curve: EX9S90_9GW14

Scenario: Post-Development

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	13.59
1.44	7.44	14.40
2.94	2.94	0.00
2.94	4.69	7.84
2.94	7.44	14.40

Comment:

Rating Curve: EX9S91A_9GW12

Scenario: Post-Development

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	9.70
1.44	7.44	10.28
2.94	2.94	0.00
2.94	4.69	5.59
2.94	7.44	10.28

Comment:

Rating Curve: PR7S202_7GW12

Scenario: Post-Development

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	8.96
1.44	7.44	8.96
2.94	2.94	0.00
2.94	3.94	4.54
2.94	7.44	8.96

Comment:

Rating Curve: PR7S203_7GW13

Scenario: Post-Development

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	7.46
1.44	7.44	7.46
2.94	2.94	0.00
2.94	3.94	3.78
2.94	7.44	7.46

Comment:

Rating Curve: PR7S206_7GW14

Scenario: Post-Development

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	3.94	8.96
1.44	7.44	8.96
2.94	2.94	0.00
2.94	3.94	4.54
2.94	7.44	8.96

Comment:

Rating Curve: PR9S207_9GW16

Scenario: Post-Development

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	6.62
1.44	7.44	7.01
2.94	2.94	0.00
2.94	4.69	3.82
2.94	7.44	7.01

Comment:

Rating Curve: PR9S210_9GW17

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	18.41
1.44	7.44	19.50
2.94	2.94	0.00
2.94	4.69	10.61
2.94	7.44	19.50

Comment:

Rating Curve: PR9S212_9GW19

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	20.10
1.44	7.44	21.30
2.94	2.94	0.00
2.94	4.69	11.59
2.94	7.44	21.30

Comment:

Rating Curve: PR9S213_9GW18

Scenario: Post-Development
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.44	1.44	0.00
1.44	4.69	13.03
1.44	7.44	13.80
2.94	2.94	0.00
2.94	4.69	7.51
2.94	7.44	13.80

Comment:

Simulation: 100YR-1HR

Scenario: Post-Development
Run Date/Time: 8/21/2019 1:52:08 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:	
Reference ET Folder:	
Unit Hydrograph Folder:	

Lookup Tables

Boundary Stage Set:	
Extern Hydrograph Set:	
Curve Number Set:	
Green-Ampt Set:	
Vertical Layers Set:	
Impervious Set:	
Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	5.10 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100YR-24HR

Scenario:	Post-Development
Run Date/Time:	8/21/2019 1:54:52 PM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 100YR-24HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global

Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	13.44 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-1HR

Scenario: Post-Development
Run Date/Time: 8/21/2019 2:00:23 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.55 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-24HR

Scenario: Post-Development
Run Date/Time: 8/21/2019 2:03:59 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

Year	Month	Day	Hour [hr]

Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 10YR-24HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
IA Recovery Time: 24.0000 hr
ET for Manual Basins: False

dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	8.88 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25YR-72HR

Scenario: Post-Development
Run Date/Time: 8/21/2019 2:09:19 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 25YR-72HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	14.00 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Node Max Conditions [Post-Development]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
7GW1	100YR-1HR	7.44	1.44	0.0000	47.24	0.00	0
7GW10	100YR-1HR	7.44	1.44	0.0000	4.03	0.00	0
7GW11	100YR-1HR	7.44	1.44	0.0000	14.96	0.00	0
7GW12	100YR-1HR	7.44	1.44	0.0000	19.35	0.00	0
7GW13	100YR-1HR	7.44	1.44	0.0000	20.28	0.00	0
7GW14	100YR-1HR	7.44	1.44	0.0000	14.61	0.00	0
7GW15	100YR-1HR	7.44	1.44	0.0000	3.02	0.00	0
7GW2	100YR-1HR	7.44	1.44	0.0000	5.49	0.00	0
7GW3	100YR-1HR	7.44	1.44	0.0000	15.35	0.00	0
7GW4	100YR-1HR	7.44	1.44	0.0000	2.04	0.00	0
7GW7	100YR-1HR	7.44	1.44	0.0000	22.14	0.00	0
7GW8	100YR-1HR	7.44	1.44	0.0000	16.36	0.00	0
7GW9	100YR-1HR	7.44	1.44	0.0000	7.96	0.00	0
8GW1	100YR-1HR	7.44	1.44	0.0000	41.06	0.00	0
8GW10	100YR-1HR	7.44	1.44	0.0000	4.48	0.00	0
8GW11	100YR-1HR	7.44	1.44	0.0000	10.68	0.00	0
8GW12	100YR-1HR	7.44	1.44	0.0000	8.00	0.00	0
8GW13	100YR-1HR	7.44	1.44	0.0000	2.00	0.00	0
8GW14	100YR-1HR	7.44	1.44	0.0000	2.99	0.00	0
8GW15	100YR-1HR	7.44	1.44	0.0000	3.83	0.00	0
8GW16	100YR-1HR	7.44	1.44	0.0000	5.08	0.00	0
8GW2	100YR-1HR	7.44	1.44	0.0000	3.97	0.00	0
8GW3	100YR-1HR	7.44	1.44	0.0000	4.91	0.00	0
8GW5	100YR-1HR	7.44	1.44	0.0000	20.48	0.00	0
8GW6	100YR-1HR	7.44	1.44	0.0000	8.38	0.00	0
8GW7	100YR-1HR	7.44	1.44	0.0000	9.79	0.00	0
8GW8	100YR-1HR	7.44	1.44	0.0000	9.55	0.00	0
9GW1	100YR-1HR	7.44	1.44	0.0000	7.26	0.00	0
9GW11	100YR-1HR	7.44	1.44	0.0000	6.49	0.00	0
9GW12	100YR-1HR	7.44	1.44	0.0000	11.22	0.00	0
9GW13	100YR-1HR	7.44	1.44	0.0000	2.75	0.00	0
9GW14	100YR-1HR	7.44	1.44	0.0000	14.91	0.00	0
9GW15	100YR-1HR	7.44	1.44	0.0000	10.61	0.00	0
9GW16	100YR-1HR	5.48	1.44	0.0000	12.65	0.00	0
9GW17	100YR-1HR	7.44	1.44	0.0000	30.00	0.00	0
9GW18	100YR-1HR	7.44	1.44	0.0000	10.04	0.00	0
9GW19	100YR-1HR	7.44	1.44	0.0000	20.40	0.00	0
9GW2	100YR-1HR	7.44	1.44	0.0000	3.41	0.00	0
9GW3	100YR-1HR	7.44	1.44	0.0000	6.22	0.00	0
9GW4	100YR-1HR	7.44	1.44	0.0000	15.05	0.00	0
9GW5	100YR-1HR	7.44	1.44	0.0000	10.29	0.00	0
9GW6	100YR-1HR	7.44	1.44	0.0000	31.31	0.00	0
9GW7	100YR-1HR	7.44	1.44	0.0000	31.72	0.00	0
CANAL 1	100YR-1HR	7.44	1.44	0.0000	11.07	0.00	0
CANAL 2	100YR-1HR	7.44	1.44	0.0000	32.74	0.00	0
EX01	100YR-1HR	7.14	4.07	0.0008	3.87	4.06	1439

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX03	100YR-1HR	7.14	3.97	0.0004	13.49	13.82	1962
EX04	100YR-1HR	10.44	6.99	0.0004	1.83	1.81	695
EX7AS01	100YR-1HR	4.94	3.30	0.0004	31.71	31.74	1201
EX7AS02	100YR-1HR	13.35	7.81	0.0020	29.17	29.17	165
EX7AS03	100YR-1HR	14.30	8.24	0.0014	9.05	9.05	144
EX7AS08	100YR-1HR	12.00	8.35	0.0004	9.29	9.28	176
EX7AS11	100YR-1HR	4.94	3.28	0.0004	24.92	25.75	1375
EX7S03	100YR-1HR	8.01	3.76	0.0008	6.63	6.57	471
EX7S11	100YR-1HR	6.84	3.74	0.0004	10.31	10.28	476
EX7S13	100YR-1HR	11.45	2.11	0.0001	2.04	2.04	113
EX7S15	100YR-1HR	6.86	3.86	0.0034	36.88	35.83	486
EX7S16	100YR-1HR	14.47	3.88	0.0043	20.55	18.63	279
EX7S18	100YR-1HR	6.84	3.88	0.0031	14.54	17.41	514
EX7S1A	100YR-1HR	10.90	3.49	0.0005	14.44	14.37	360
EX7S45	100YR-1HR	9.57	2.71	0.0003	14.15	13.99	683
EX7S66	100YR-1HR	10.37	3.25	0.0005	16.84	16.75	687
EX7S68	100YR-1HR	5.94	3.78	0.0004	10.59	10.56	368
EX7S74	100YR-1HR	5.49	3.22	0.0004	4.22	4.91	511
EX7S77	100YR-1HR	4.94	2.60	0.0003	13.45	13.56	1217
EX7S78	100YR-1HR	13.52	5.99	0.0001	4.15	4.15	144
EX7S86	100YR-1HR	7.23	2.52	0.0002	14.93	14.74	1398
EX7S8A	100YR-1HR	7.26	3.89	0.0004	15.20	15.16	335
EX7S90	100YR-1HR	7.95	2.53	0.0002	6.76	6.63	545
EX7S91	100YR-1HR	7.04	3.85	0.0004	4.13	4.00	103
EX7S92	100YR-1HR	9.70	3.79	0.0004	7.42	7.40	354
EX7S93	100YR-1HR	10.04	3.89	0.0004	16.17	17.59	737
EX7S94	100YR-1HR	11.43	3.84	0.0004	10.93	10.90	356
EX7S97	100YR-1HR	7.44	3.94	0.0004	15.98	16.17	1006
EX8S01	100YR-1HR	9.27	3.98	0.0005	28.70	28.64	1317
EX8S06	100YR-1HR	7.80	3.71	0.0005	3.11	2.46	418
EX8S101	100YR-1HR	7.18	2.77	0.0005	5.73	5.73	204
EX8S12	100YR-1HR	7.26	3.71	0.0006	17.22	17.42	711
EX8S139D	100YR-1HR	7.88	3.89	0.0006	15.34	14.93	2839
EX8S15A	100YR-1HR	6.02	3.46	0.0005	18.28	18.21	1338
EX8S17	100YR-1HR	6.26	3.47	0.0009	15.33	15.25	287
EX8S21	100YR-1HR	6.59	3.22	0.0010	12.61	12.56	192
EX8S40E1	100YR-1HR	7.44	4.57	0.0004	16.00	15.48	1970
EX8S40W1	100YR-1HR	6.21	7.24	0.0010	6.79	6.74	237
EX8S40W2	100YR-1HR	7.01	7.24	0.0010	6.41	6.40	285
EX8S40W3	100YR-1HR	7.48	7.22	0.0010	10.40	10.34	677
EX8S40W4	100YR-1HR	8.48	4.39	0.0005	10.34	10.22	758
EX8S40W5	100YR-1HR	5.44	4.07	0.0006	4.00	3.98	233
EX8S40W6	100YR-1HR	7.56	4.28	0.0005	18.23	17.88	1921
EX8S40W7	100YR-1HR	5.74	4.10	0.0007	7.17	7.11	312
EX8S40W8	100YR-1HR	5.44	4.11	0.0007	0.86	0.83	100
EX8S40W9	100YR-1HR	7.74	5.75	0.0003	3.13	3.12	132
EX8S45	100YR-1HR	6.84	3.23	0.0010	10.86	10.52	804

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX8S47	100YR-1HR	6.64	3.23	0.0010	10.52	9.89	1605
EX8S5A	100YR-1HR	7.91	3.71	0.0005	2.59	2.61	162
EX8S70	100YR-1HR	7.13	1.49	0.0015	13.01	11.07	302
EX8S72A	100YR-1HR	7.98	2.74	0.0003	8.90	8.84	376
EX8S74	100YR-1HR	7.52	3.16	0.0005	25.40	25.30	910
EX8S81	100YR-1HR	7.91	3.06	0.0003	20.73	20.62	1077
EX8S83	100YR-1HR	8.58	2.84	0.0003	8.66	8.55	727
EX8S85	100YR-1HR	4.69	2.52	0.0002	7.81	7.52	1007
EX8S85B	100YR-1HR	11.23	2.47	0.0003	4.64	4.58	614
EX8S87	100YR-1HR	5.48	2.57	0.0008	9.41	9.20	610
EX8S88	100YR-1HR	7.41	2.56	0.0006	7.03	7.02	882
EX8S98	100YR-1HR	6.86	3.03	0.0003	5.56	5.58	409
EX8S99	100YR-1HR	7.64	3.85	0.0006	15.91	14.67	2738
EX9S101	100YR-1HR	11.78	7.05	0.0002	3.84	3.84	324
EX9S15	100YR-1HR	6.51	4.97	0.0006	5.89	5.78	441
EX9S49	100YR-1HR	6.06	3.75	0.0006	13.57	13.33	440
EX9S55	100YR-1HR	8.20	3.55	0.0006	8.24	7.87	446
EX9S57	100YR-1HR	5.14	3.55	0.0006	4.80	4.85	289
EX9S58	100YR-1HR	6.07	3.59	0.0010	8.46	8.18	272
EX9S63	100YR-1HR	6.58	3.67	0.0010	3.41	3.41	100
EX9S69	100YR-1HR	6.85	3.62	0.0010	6.23	6.22	156
EX9S79	100YR-1HR	6.34	3.25	0.0006	15.07	15.05	439
EX9S82	100YR-1HR	6.44	4.11	0.0009	32.75	32.74	1198
EX9S87A	100YR-1HR	7.14	3.54	0.0004	11.22	11.24	342
EX9S90	100YR-1HR	6.44	3.22	0.0003	7.56	7.45	660
EX9S90A	100YR-1HR	8.31	3.24	0.0003	6.99	6.94	177
EX9S94	100YR-1HR	12.98	3.31	0.0003	5.63	5.58	442
EX9S96	100YR-1HR	5.44	3.23	0.0003	8.76	8.23	912
EXCS7AS12+1	100YR-1HR	6.61	3.28	0.0010	2.35	1.38	100
EXCS7AS12+2	100YR-1HR	6.61	1.45	0.0001	1.38	1.38	100
EXCS7AS1B+1	100YR-1HR	6.61	3.30	0.0004	3.60	3.58	100
EXCS7AS1B+2	100YR-1HR	6.61	1.53	0.0003	3.58	3.58	100
EXCS7S69+1	100YR-1HR	7.44	3.80	0.0023	35.83	35.45	100
EXCS7S69+2	100YR-1HR	7.44	1.46	0.0002	13.33	13.33	230
EXCS7S76+1	100YR-1HR	6.60	2.72	0.0008	4.91	4.13	375
EXCS7S76+2	100YR-1HR	6.66	1.44	0.0000	0.00	0.00	100
EXCS9S129+1	100YR-1HR	7.61	3.76	0.0006	5.63	5.30	100
EXCS9S129+2	100YR-1HR	7.61	3.82	0.0010	5.70	5.63	100
EXCS9S139C+1	100YR-1HR	7.61	3.57	0.0004	8.85	8.86	115
EXCS9S139C	100YR-1HR	7.61	3.84	0.0006	8.86	8.85	253

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
+2							
EXCS9S80	100YR-1HR	5.44	4.18	0.0009	11.88	12.00	196
EXCS9S80A	100YR-1HR	5.44	4.22	0.0007	21.74	21.18	196
PATRICIA LAKE	100YR-1HR	7.44	1.44	0.0000	6.42	0.00	0
POND 7AB	100YR-1HR	6.59	5.22	0.0001	10.52	6.21	36502
POND 7W1	100YR-1HR	5.94	5.23	0.0001	8.59	6.40	21833
POND 8E1	100YR-1HR	5.89	3.28	0.0010	53.29	17.36	100014
POND 8E2	100YR-1HR	5.89	3.69	0.0003	19.82	9.58	21580
POND 9E2	100YR-1HR	6.07	3.69	0.0004	18.50	18.08	7364
POND 9E4	100YR-1HR	6.94	5.08	0.0005	16.60	14.63	3337
POND 9E5	100YR-1HR	6.24	4.21	0.0004	31.86	25.55	16594
POND 9E6	100YR-1HR	5.44	4.26	0.0003	38.49	38.22	4199
POND 9W1	100YR-1HR	6.44	5.61	0.0000	2.87	2.72	5735
POND 9W2	100YR-1HR	8.70	5.78	0.0008	45.69	45.75	8139
POND 9W5	100YR-1HR	7.44	5.47	0.0008	103.77	49.10	44551
PR7S201	100YR-1HR	6.72	4.07	0.0005	20.31	20.22	703
PR7S202	100YR-1HR	8.00	4.12	0.0005	16.53	16.44	661
PR7S203	100YR-1HR	8.00	4.15	0.0005	20.31	20.27	758
PR7S204	100YR-1HR	8.00	5.53	0.0010	26.31	26.27	633
PR7S205	100YR-1HR	9.89	5.53	0.0014	16.79	16.77	344
PR7S206	100YR-1HR	5.94	3.59	0.0005	18.85	18.84	715
PR7S207	100YR-1HR	5.94	3.36	0.0008	6.90	6.90	272
PR8S201	100YR-1HR	7.64	4.02	0.0008	15.92	15.91	232
PR8S202	100YR-1HR	7.35	3.93	0.0006	14.28	13.96	662
PR8S203	100YR-1HR	10.25	4.05	0.0005	21.27	21.26	901
PR8S204	100YR-1HR	8.00	4.11	0.0010	8.60	8.57	581
PR8S205	100YR-1HR	9.07	4.13	0.0007	11.45	11.43	711
PR8S206	100YR-1HR	9.53	4.83	0.0010	10.67	10.66	434
PR9S201	100YR-1HR	9.76	3.33	0.0003	17.70	17.65	671
PR9S202	100YR-1HR	10.32	5.34	0.0005	24.48	24.30	911
PR9S203	100YR-1HR	9.26	5.10	0.0007	9.86	9.79	767
PR9S204	100YR-1HR	9.18	5.36	0.0009	5.71	4.77	858
PR9S205	100YR-1HR	12.26	6.60	0.0009	39.04	38.88	367
PR9S206	100YR-1HR	12.63	5.75	0.0008	16.34	16.20	404
PR9S207	100YR-1HR	7.44	4.66	0.0008	15.79	15.69	551
PR9S208	100YR-1HR	7.44	4.44	0.0010	9.66	9.53	319
PR9S210	100YR-1HR	7.44	4.84	0.0010	49.10	49.12	863
PR9S211	100YR-1HR	7.44	3.48	0.0010	11.54	11.53	853
PR9S212	100YR-1HR	8.70	5.37	0.0009	70.18	70.28	387
PR9S213	100YR-1HR	5.82	3.95	0.0056	20.33	20.33	103
PRCS8S207	100YR-1HR	5.88	1.50	0.0023	8.30	8.47	100
PRCS9S209+1	100YR-1HR	6.74	4.44	0.0010	5.90	6.05	100
PRCS9S209+2	100YR-1HR	6.74	4.44	0.0009	19.29	19.39	725
PRCS9S209+	100YR-1HR	6.74	4.59	0.0010	19.27	19.29	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
3							
SWALE 7W1	100YR-1HR	6.49	3.64	0.0001	0.69	0.00	2744
SWALE 8W1	100YR-1HR	5.48	5.06	0.0001	9.59	9.41	5577
TROPICAL PARK LAKE	100YR-1HR	7.44	1.44	0.0000	16.26	0.00	0
7GW1	100YR-24HR	7.44	2.94	0.0002	11.97	0.00	0
7GW10	100YR-24HR	7.44	2.94	0.0002	0.93	0.00	0
7GW11	100YR-24HR	7.44	2.94	0.0002	4.26	0.00	0
7GW12	100YR-24HR	7.44	2.94	0.0002	5.02	0.00	0
7GW13	100YR-24HR	7.44	2.94	0.0002	4.88	0.00	0
7GW14	100YR-24HR	7.44	2.94	0.0002	4.43	0.00	0
7GW15	100YR-24HR	7.44	2.94	0.0002	0.82	0.00	0
7GW2	100YR-24HR	7.44	2.94	0.0002	1.50	0.00	0
7GW3	100YR-24HR	7.44	2.94	0.0002	4.33	0.00	0
7GW4	100YR-24HR	7.44	2.94	0.0002	0.35	0.00	0
7GW7	100YR-24HR	7.44	2.94	0.0002	4.83	0.00	0
7GW8	100YR-24HR	7.44	2.94	0.0002	2.08	0.00	0
7GW9	100YR-24HR	7.44	2.94	0.0002	1.65	0.00	0
8GW1	100YR-24HR	7.44	2.94	0.0002	12.06	0.00	0
8GW10	100YR-24HR	7.44	2.94	0.0002	1.09	0.00	0
8GW11	100YR-24HR	7.44	2.94	0.0002	3.05	0.00	0
8GW12	100YR-24HR	7.44	2.94	0.0002	0.87	0.00	0
8GW13	100YR-24HR	7.44	2.94	0.0002	0.44	0.00	0
8GW14	100YR-24HR	7.44	2.94	0.0002	0.71	0.00	0
8GW15	100YR-24HR	7.44	2.94	0.0002	0.98	0.05	0
8GW16	100YR-24HR	7.44	2.94	0.0002	1.14	0.00	0
8GW2	100YR-24HR	7.44	2.94	0.0002	1.65	0.00	0
8GW3	100YR-24HR	7.44	2.94	0.0002	1.01	0.00	0
8GW5	100YR-24HR	7.44	2.94	0.0002	4.58	0.00	0
8GW6	100YR-24HR	7.44	2.94	0.0002	2.19	0.00	0
8GW7	100YR-24HR	7.44	2.94	0.0002	3.30	0.00	0
8GW8	100YR-24HR	7.44	2.94	0.0002	3.28	0.00	0
9GW1	100YR-24HR	7.44	2.94	0.0002	1.23	0.00	0
9GW11	100YR-24HR	7.44	2.94	0.0002	1.12	0.00	0
9GW12	100YR-24HR	7.44	2.94	0.0002	2.02	0.00	0
9GW13	100YR-24HR	7.44	2.94	0.0002	0.51	0.00	0
9GW14	100YR-24HR	7.44	2.94	0.0002	2.81	0.00	0
9GW15	100YR-24HR	7.44	2.94	0.0002	1.80	0.00	0
9GW16	100YR-24HR	5.48	2.94	0.0002	3.38	0.00	0
9GW17	100YR-24HR	7.44	2.94	0.0002	14.43	0.00	0
9GW18	100YR-24HR	7.44	2.94	0.0002	1.98	0.00	0
9GW19	100YR-24HR	7.44	2.94	0.0002	5.31	0.00	0
9GW2	100YR-24HR	7.44	2.94	0.0002	0.74	0.00	0
9GW3	100YR-24HR	7.44	2.94	0.0002	0.83	0.00	0
9GW4	100YR-24HR	7.44	2.94	0.0002	3.21	0.00	0
9GW5	100YR-24HR	7.44	2.94	0.0002	2.02	0.00	0
9GW6	100YR-24HR	7.44	2.94	0.0002	8.20	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
9GW7	100YR-24HR	7.44	2.94	0.0002	8.25	0.00	0
CANAL 1	100YR-24HR	7.44	2.64	0.0002	2.31	0.18	0
CANAL 2	100YR-24HR	7.44	2.64	0.0002	11.86	0.06	0
EX01	100YR-24HR	7.14	3.06	0.0001	1.20	1.20	1180
EX03	100YR-24HR	7.14	3.03	0.0002	3.38	3.37	1610
EX04	100YR-24HR	10.44	6.79	0.0004	0.79	0.79	643
EX7AS01	100YR-24HR	4.94	2.99	0.0004	8.64	8.60	1201
EX7AS02	100YR-24HR	13.35	6.12	0.0010	5.80	5.80	165
EX7AS03	100YR-24HR	14.30	7.80	0.0003	2.31	2.31	143
EX7AS08	100YR-24HR	12.00	7.61	0.0003	1.93	1.93	150
EX7AS11	100YR-24HR	4.94	2.99	0.0002	5.59	5.55	1347
EX7S03	100YR-24HR	8.01	3.01	0.0005	0.96	0.96	473
EX7S11	100YR-24HR	6.84	3.02	0.0002	2.90	2.88	476
EX7S13	100YR-24HR	11.45	2.95	0.0002	0.35	0.35	113
EX7S15	100YR-24HR	6.86	3.03	0.0053	11.25	13.59	486
EX7S16	100YR-24HR	14.47	3.03	0.0040	6.89	7.62	279
EX7S18	100YR-24HR	6.84	3.03	0.0036	6.45	7.13	514
EX7S1A	100YR-24HR	10.90	2.99	0.0003	2.31	2.30	312
EX7S45	100YR-24HR	9.57	2.97	0.0002	1.89	1.87	684
EX7S66	100YR-24HR	10.37	2.96	0.0002	1.00	0.98	609
EX7S68	100YR-24HR	5.94	3.02	0.0004	3.87	3.72	368
EX7S74	100YR-24HR	5.49	2.99	0.0000	0.83	0.83	501
EX7S77	100YR-24HR	4.94	2.97	0.0002	3.86	3.83	1218
EX7S78	100YR-24HR	13.52	5.47	0.0000	0.86	0.86	117
EX7S86	100YR-24HR	7.23	2.97	0.0002	3.62	3.58	1398
EX7S8A	100YR-24HR	7.26	3.02	0.0002	2.71	2.70	337
EX7S90	100YR-24HR	7.95	2.97	0.0002	2.41	2.40	545
EX7S91	100YR-24HR	7.04	3.02	0.0005	1.83	1.38	103
EX7S92	100YR-24HR	9.70	3.02	0.0002	2.16	2.12	354
EX7S93	100YR-24HR	10.04	3.03	0.0004	4.15	7.43	737
EX7S94	100YR-24HR	11.43	3.02	0.0002	2.92	2.89	356
EX7S97	100YR-24HR	7.44	3.03	0.0002	4.13	4.15	1006
EX8S01	100YR-24HR	9.27	3.01	0.0002	6.05	6.01	1317
EX8S06	100YR-24HR	7.80	2.99	0.0002	0.59	0.59	414
EX8S101	100YR-24HR	7.18	2.68	0.0005	1.82	1.82	171
EX8S12	100YR-24HR	7.26	2.99	0.0002	3.16	3.16	595
EX8S139D	100YR-24HR	7.88	3.13	0.0002	2.40	2.51	2839
EX8S15A	100YR-24HR	6.02	3.01	0.0002	6.40	6.41	1338
EX8S17	100YR-24HR	6.26	3.01	0.0005	5.26	5.24	287
EX8S21	100YR-24HR	6.59	3.02	0.0010	5.63	5.62	192
EX8S40E1	100YR-24HR	7.44	3.18	0.0002	2.76	2.74	1970
EX8S40W1	100YR-24HR	6.21	3.20	0.0002	1.54	1.52	237
EX8S40W2	100YR-24HR	7.01	3.20	0.0002	1.69	1.70	277
EX8S40W3	100YR-24HR	7.48	3.59	0.0004	1.64	1.64	625
EX8S40W4	100YR-24HR	8.48	3.15	0.0002	0.82	0.84	758
EX8S40W5	100YR-24HR	5.44	2.97	0.0002	0.46	0.43	233
EX8S40W6	100YR-24HR	7.56	3.15	0.0002	2.19	2.18	1921

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX8S40W7	100YR-24HR	5.74	2.97	0.0002	0.74	0.73	312
EX8S40W8	100YR-24HR	5.44	2.97	0.0001	0.15	0.18	100
EX8S40W9	100YR-24HR	7.74	5.21	0.0003	0.75	0.75	126
EX8S45	100YR-24HR	6.84	3.03	0.0006	5.50	5.50	804
EX8S47	100YR-24HR	6.64	3.03	0.0005	6.07	5.50	1604
EX8S5A	100YR-24HR	7.91	2.99	0.0002	0.51	0.51	162
EX8S70	100YR-24HR	7.13	2.64	0.0010	2.39	2.31	310
EX8S72A	100YR-24HR	7.98	2.98	0.0002	2.91	2.90	377
EX8S74	100YR-24HR	7.52	2.99	0.0002	5.78	5.75	909
EX8S81	100YR-24HR	7.91	2.99	0.0002	5.82	5.78	1087
EX8S83	100YR-24HR	8.58	2.99	0.0002	2.03	2.00	727
EX8S85	100YR-24HR	4.69	2.99	0.0002	2.42	2.38	1007
EX8S85B	100YR-24HR	11.23	2.98	0.0002	1.63	1.61	614
EX8S87	100YR-24HR	5.48	2.99	0.0002	2.47	2.45	610
EX8S88	100YR-24HR	7.41	2.99	0.0002	2.58	2.59	882
EX8S98	100YR-24HR	6.86	3.00	0.0002	2.58	2.58	400
EX8S99	100YR-24HR	7.64	3.12	0.0002	3.26	3.32	1978
EX9S101	100YR-24HR	11.78	6.56	0.0002	0.66	0.66	259
EX9S15	100YR-24HR	6.51	3.18	0.0005	0.95	0.91	438
EX9S49	100YR-24HR	6.06	2.99	0.0002	2.23	2.16	440
EX9S55	100YR-24HR	8.20	2.99	0.0002	1.23	1.24	446
EX9S57	100YR-24HR	5.14	2.99	0.0002	0.64	0.61	289
EX9S58	100YR-24HR	6.07	2.99	0.0002	0.81	0.79	269
EX9S63	100YR-24HR	6.58	2.99	0.0003	0.82	0.74	100
EX9S69	100YR-24HR	6.85	2.99	0.0002	0.86	0.83	155
EX9S79	100YR-24HR	6.34	3.04	0.0002	3.22	3.21	438
EX9S82	100YR-24HR	6.44	2.94	0.0002	11.91	11.86	1142
EX9S87A	100YR-24HR	7.14	2.98	0.0002	1.60	1.46	341
EX9S90	100YR-24HR	6.44	2.98	0.0002	1.43	1.40	660
EX9S90A	100YR-24HR	8.31	2.98	0.0002	0.78	0.77	177
EX9S94	100YR-24HR	12.98	2.98	0.0002	1.02	1.01	442
EX9S96	100YR-24HR	5.44	2.98	0.0002	1.76	1.72	902
EXCS7AS12+1	100YR-24HR	6.61	2.99	0.0002	0.12	0.07	100
EXCS7AS12+2	100YR-24HR	6.61	2.64	0.0002	0.07	0.09	100
EXCS7AS1B+1	100YR-24HR	6.61	2.99	0.0004	0.24	0.18	100
EXCS7AS1B+2	100YR-24HR	6.61	2.64	0.0002	0.18	0.21	100
EXCS7S69+1	100YR-24HR	7.44	3.02	0.0057	13.59	6.83	100
EXCS7S69+2	100YR-24HR	7.44	2.64	0.0002	0.40	0.50	229
EXCS7S76+1	100YR-24HR	6.60	2.98	0.0001	0.83	0.83	370
EXCS7S76+2	100YR-24HR	6.66	2.64	0.0002	0.11	0.13	100
EXCS9S129+1	100YR-24HR	7.61	2.99	0.0003	0.49	0.56	100
EXCS9S129+	100YR-24HR	7.61	3.11	0.0002	0.57	0.49	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
2							
EXCS9S139C +1	100YR-24HR	7.61	2.98	0.0002	0.56	0.73	115
EXCS9S139C +2	100YR-24HR	7.61	3.13	0.0001	0.69	0.56	253
EXCS9S80	100YR-24HR	5.44	2.95	0.0013	2.82	2.86	100
EXCS9S80A	100YR-24HR	5.44	2.95	0.0004	3.17	3.16	100
PATRICIA LAKE	100YR-24HR	7.44	2.64	0.0002	1.29	0.00	0
POND 7AB	100YR-24HR	6.59	5.11	0.0000	3.02	2.87	36011
POND 7W1	100YR-24HR	5.94	5.09	0.0000	2.44	2.39	20967
POND 8E1	100YR-24HR	5.89	3.04	0.0010	10.29	6.81	98922
POND 8E2	100YR-24HR	5.89	3.18	0.0000	4.28	4.03	20810
POND 9E2	100YR-24HR	6.07	3.00	0.0000	2.22	2.42	6776
POND 9E4	100YR-24HR	6.94	3.20	0.0001	2.54	2.53	2477
POND 9E5	100YR-24HR	6.24	3.13	0.0000	6.07	6.04	15557
POND 9E6	100YR-24HR	5.44	3.14	0.0001	7.17	7.17	3358
POND 9W1	100YR-24HR	6.44	5.52	0.0000	0.87	0.86	5463
POND 9W2	100YR-24HR	8.70	3.15	0.0000	9.85	9.72	6408
POND 9W5	100YR-24HR	7.44	3.79	0.0000	22.42	20.31	36491
PR7S201	100YR-24HR	6.72	3.03	0.0007	3.60	4.14	703
PR7S202	100YR-24HR	8.00	3.03	0.0002	3.74	3.80	660
PR7S203	100YR-24HR	8.00	3.03	0.0002	6.04	6.02	760
PR7S204	100YR-24HR	8.00	3.07	0.0002	7.51	7.50	635
PR7S205	100YR-24HR	9.89	3.10	0.0004	2.89	2.88	344
PR7S206	100YR-24HR	5.94	3.02	0.0009	5.16	5.08	716
PR7S207	100YR-24HR	5.94	3.01	0.0010	2.15	2.14	272
PR8S201	100YR-24HR	7.64	3.01	0.0006	2.74	2.74	231
PR8S202	100YR-24HR	7.35	3.01	0.0002	1.94	1.90	661
PR8S203	100YR-24HR	10.25	3.01	0.0004	5.52	5.50	841
PR8S204	100YR-24HR	8.00	3.01	0.0004	3.36	3.35	582
PR8S205	100YR-24HR	9.07	3.02	0.0004	2.40	2.39	612
PR8S206	100YR-24HR	9.53	3.34	0.0010	1.84	1.85	384
PR9S201	100YR-24HR	9.76	2.98	0.0002	2.73	2.72	671
PR9S202	100YR-24HR	10.32	3.10	0.0002	5.03	4.99	888
PR9S203	100YR-24HR	9.26	3.19	0.0003	1.72	1.77	767
PR9S204	100YR-24HR	9.18	3.10	0.0001	0.88	0.85	831
PR9S205	100YR-24HR	12.26	3.17	0.0002	8.29	8.28	323
PR9S206	100YR-24HR	12.63	3.12	0.0002	3.54	3.53	404
PR9S207	100YR-24HR	7.44	3.10	0.0002	3.53	3.52	552
PR9S208	100YR-24HR	7.44	3.09	0.0002	1.82	1.89	319
PR9S210	100YR-24HR	7.44	3.67	0.0002	20.31	20.31	869
PR9S211	100YR-24HR	7.44	3.31	0.0002	6.16	6.15	859
PR9S212	100YR-24HR	8.70	3.10	0.0002	17.65	17.64	389
PR9S213	100YR-24HR	5.82	3.03	0.0011	4.00	4.00	103
PRCS8S207	100YR-24HR	5.88	2.64	0.0010	0.56	1.16	100
PRCS9S209+	100YR-24HR	6.74	3.09	0.0001	0.43	0.36	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
1							
PRCS9S209+2	100YR-24HR	6.74	3.00	0.0002	5.98	5.99	725
PRCS9S209+3	100YR-24HR	6.74	3.64	0.0002	5.88	5.88	100
SWALE 7W1	100YR-24HR	6.49	5.50	0.0000	0.25	0.06	3228
SWALE 8W1	100YR-24HR	5.48	4.84	0.0000	2.48	2.47	4856
TROPICAL PARK LAKE	100YR-24HR	7.44	2.64	0.0002	0.95	0.01	0
7GW1	10YR-1HR	7.44	1.44	0.0000	32.31	0.00	0
7GW10	10YR-1HR	7.44	1.44	0.0000	2.13	0.00	0
7GW11	10YR-1HR	7.44	1.44	0.0000	11.49	0.00	0
7GW12	10YR-1HR	7.44	1.44	0.0000	14.62	0.00	0
7GW13	10YR-1HR	7.44	1.44	0.0000	15.90	0.00	0
7GW14	10YR-1HR	7.44	1.44	0.0000	11.23	0.00	0
7GW15	10YR-1HR	7.44	1.44	0.0000	2.08	0.00	0
7GW2	10YR-1HR	7.44	1.44	0.0000	4.21	0.00	0
7GW3	10YR-1HR	7.44	1.44	0.0000	11.87	0.00	0
7GW4	10YR-1HR	7.44	1.44	0.0000	1.40	0.00	0
7GW7	10YR-1HR	7.44	1.44	0.0000	10.31	0.00	0
7GW8	10YR-1HR	7.44	1.44	0.0000	8.23	0.00	0
7GW9	10YR-1HR	7.44	1.44	0.0000	3.61	0.00	0
8GW1	10YR-1HR	7.44	1.44	0.0000	28.81	0.00	0
8GW10	10YR-1HR	7.44	1.44	0.0000	2.89	0.00	0
8GW11	10YR-1HR	7.44	1.44	0.0000	10.07	0.00	0
8GW12	10YR-1HR	7.44	1.44	0.0000	3.72	0.00	0
8GW13	10YR-1HR	7.44	1.44	0.0000	1.54	0.00	0
8GW14	10YR-1HR	7.44	1.44	0.0000	2.39	0.00	0
8GW15	10YR-1HR	7.44	1.44	0.0000	3.15	0.00	0
8GW16	10YR-1HR	7.44	1.44	0.0000	3.95	0.00	0
8GW2	10YR-1HR	7.44	1.44	0.0000	3.14	0.00	0
8GW3	10YR-1HR	7.44	1.44	0.0000	4.07	0.00	0
8GW5	10YR-1HR	7.44	1.44	0.0000	13.84	0.00	0
8GW6	10YR-1HR	7.44	1.44	0.0000	5.58	0.00	0
8GW7	10YR-1HR	7.44	1.44	0.0000	5.25	0.00	0
8GW8	10YR-1HR	7.44	1.44	0.0000	4.58	0.00	0
9GW1	10YR-1HR	7.44	1.44	0.0000	4.13	0.00	0
9GW11	10YR-1HR	7.44	1.44	0.0000	3.59	0.00	0
9GW12	10YR-1HR	7.44	1.44	0.0000	6.33	0.00	0
9GW13	10YR-1HR	7.44	1.44	0.0000	1.53	0.00	0
9GW14	10YR-1HR	7.44	1.44	0.0000	8.33	0.00	0
9GW15	10YR-1HR	7.44	1.44	0.0000	6.31	0.00	0
9GW16	10YR-1HR	5.48	1.44	0.0000	8.61	0.00	0
9GW17	10YR-1HR	7.44	1.44	0.0000	23.19	0.00	0
9GW18	10YR-1HR	7.44	1.44	0.0000	4.63	0.00	0
9GW19	10YR-1HR	7.44	1.44	0.0000	15.10	0.00	0
9GW2	10YR-1HR	7.44	1.44	0.0000	2.48	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
9GW3	10YR-1HR	7.44	1.44	0.0000	2.65	0.00	0
9GW4	10YR-1HR	7.44	1.44	0.0000	6.86	0.00	0
9GW5	10YR-1HR	7.44	1.44	0.0000	4.74	0.00	0
9GW6	10YR-1HR	7.44	1.44	0.0000	23.60	0.00	0
9GW7	10YR-1HR	7.44	1.44	0.0000	23.47	0.00	0
CANAL 1	10YR-1HR	7.44	1.44	0.0000	3.48	0.01	0
CANAL 2	10YR-1HR	7.44	1.44	0.0000	28.82	0.00	0
EX01	10YR-1HR	7.14	3.43	0.0006	2.04	2.04	1194
EX03	10YR-1HR	7.14	3.35	0.0004	7.77	8.06	1901
EX04	10YR-1HR	10.44	6.76	0.0004	0.69	0.66	665
EX7AS01	10YR-1HR	4.94	2.73	0.0002	19.89	19.77	1202
EX7AS02	10YR-1HR	13.35	7.16	0.0010	19.18	19.18	164
EX7AS03	10YR-1HR	14.30	8.14	0.0004	5.34	5.34	143
EX7AS08	10YR-1HR	12.00	8.07	0.0004	6.00	6.00	173
EX7AS11	10YR-1HR	4.94	2.69	0.0003	16.08	15.90	1373
EX7S03	10YR-1HR	8.01	3.25	0.0007	3.48	3.48	470
EX7S11	10YR-1HR	6.84	3.22	0.0005	8.00	7.96	476
EX7S13	10YR-1HR	11.45	1.90	0.0001	1.40	1.40	113
EX7S15	10YR-1HR	6.86	3.30	0.0032	24.76	21.53	486
EX7S16	10YR-1HR	14.47	3.31	0.0056	11.22	15.72	279
EX7S18	10YR-1HR	6.84	3.31	0.0043	10.82	9.45	514
EX7S1A	10YR-1HR	10.90	3.00	0.0006	8.81	8.81	348
EX7S45	10YR-1HR	9.57	2.13	0.0002	6.29	6.25	663
EX7S66	10YR-1HR	10.37	2.30	0.0003	6.12	6.03	675
EX7S68	10YR-1HR	5.94	3.25	0.0005	8.26	8.31	368
EX7S74	10YR-1HR	5.49	2.97	0.0002	1.67	1.64	488
EX7S77	10YR-1HR	4.94	2.02	0.0001	6.26	6.25	1131
EX7S78	10YR-1HR	13.52	5.78	0.0002	2.56	2.56	137
EX7S86	10YR-1HR	7.23	1.93	0.0001	6.75	6.65	1265
EX7S8A	10YR-1HR	7.26	3.30	0.0004	10.24	10.21	335
EX7S90	10YR-1HR	7.95	1.94	0.0001	2.99	2.96	495
EX7S91	10YR-1HR	7.04	3.29	0.0008	3.36	3.19	103
EX7S92	10YR-1HR	9.70	3.25	0.0004	5.72	5.70	354
EX7S93	10YR-1HR	10.04	3.31	0.0004	9.30	12.19	737
EX7S94	10YR-1HR	11.43	3.28	0.0004	8.33	8.29	356
EX7S97	10YR-1HR	7.44	3.34	0.0004	9.03	9.30	1006
EX8S01	10YR-1HR	9.27	3.11	0.0004	18.08	17.93	1317
EX8S06	10YR-1HR	7.80	3.32	0.0005	2.67	2.41	418
EX8S101	10YR-1HR	7.18	2.54	0.0004	3.47	3.47	204
EX8S12	10YR-1HR	7.26	3.35	0.0005	10.46	12.52	709
EX8S139D	10YR-1HR	7.88	3.45	0.0005	8.31	8.13	2839
EX8S15A	10YR-1HR	6.02	2.97	0.0004	13.94	13.78	1338
EX8S17	10YR-1HR	6.26	3.00	0.0009	12.82	12.75	287
EX8S21	10YR-1HR	6.59	2.85	0.0010	8.04	7.99	192
EX8S40E1	10YR-1HR	7.44	3.85	0.0004	11.00	10.41	1970
EX8S40W1	10YR-1HR	6.21	4.67	0.0008	5.09	5.04	237
EX8S40W2	10YR-1HR	7.01	4.68	0.0008	5.76	5.75	285

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX8S40W3	10YR-1HR	7.48	4.73	0.0005	6.52	6.50	677
EX8S40W4	10YR-1HR	8.48	3.67	0.0004	4.28	3.96	758
EX8S40W5	10YR-1HR	5.44	2.66	0.0002	1.89	1.85	233
EX8S40W6	10YR-1HR	7.56	3.65	0.0004	9.30	8.96	1921
EX8S40W7	10YR-1HR	5.74	2.68	0.0002	3.19	3.14	312
EX8S40W8	10YR-1HR	5.44	2.68	0.0002	0.59	0.55	100
EX8S40W9	10YR-1HR	7.74	5.50	0.0003	1.85	1.84	132
EX8S45	10YR-1HR	6.84	2.86	0.0010	6.57	6.62	804
EX8S47	10YR-1HR	6.64	2.86	0.0010	6.48	6.57	1605
EX8S5A	10YR-1HR	7.91	3.31	0.0005	2.12	2.03	162
EX8S70	10YR-1HR	7.13	1.45	0.0007	3.47	3.48	302
EX8S72A	10YR-1HR	7.98	2.23	0.0003	4.37	4.36	369
EX8S74	10YR-1HR	7.52	2.59	0.0004	16.81	14.59	909
EX8S81	10YR-1HR	7.91	2.55	0.0003	13.19	13.09	1076
EX8S83	10YR-1HR	8.58	2.34	0.0003	4.53	4.48	718
EX8S85	10YR-1HR	4.69	1.99	0.0002	3.44	3.41	931
EX8S85B	10YR-1HR	11.23	1.84	0.0001	1.81	1.78	541
EX8S87	10YR-1HR	5.48	2.08	0.0007	5.13	5.03	590
EX8S88	10YR-1HR	7.41	2.07	0.0005	3.73	3.70	852
EX8S98	10YR-1HR	6.86	2.79	0.0003	3.04	3.02	386
EX8S99	10YR-1HR	7.64	3.43	0.0005	10.08	9.89	2738
EX9S101	10YR-1HR	11.78	6.91	0.0002	2.64	2.64	295
EX9S15	10YR-1HR	6.51	3.92	0.0010	3.59	3.57	441
EX9S49	10YR-1HR	6.06	2.85	0.0002	8.06	7.90	440
EX9S55	10YR-1HR	8.20	2.66	0.0002	4.62	4.23	446
EX9S57	10YR-1HR	5.14	2.65	0.0004	2.15	2.06	289
EX9S58	10YR-1HR	6.07	2.66	0.0004	2.92	2.98	272
EX9S63	10YR-1HR	6.58	3.07	0.0007	2.78	2.48	100
EX9S69	10YR-1HR	6.85	2.37	0.0002	2.66	2.65	154
EX9S79	10YR-1HR	6.34	2.26	0.0002	6.88	6.86	438
EX9S82	10YR-1HR	6.44	3.41	0.0006	28.83	28.82	1198
EX9S87A	10YR-1HR	7.14	2.58	0.0003	4.41	4.43	342
EX9S90	10YR-1HR	6.44	2.42	0.0002	4.19	4.10	660
EX9S90A	10YR-1HR	8.31	2.44	0.0001	3.47	3.44	177
EX9S94	10YR-1HR	12.98	2.49	0.0002	3.21	3.15	442
EX9S96	10YR-1HR	5.44	2.45	0.0002	5.71	5.43	887
EXCS7AS12+1	10YR-1HR	6.61	2.69	0.0003	0.19	0.11	100
EXCS7AS12+2	10YR-1HR	6.61	1.44	0.0000	0.00	0.00	100
EXCS7AS1B+1	10YR-1HR	6.61	2.73	0.0004	0.11	0.07	100
EXCS7AS1B+2	10YR-1HR	6.61	1.44	0.0000	0.00	0.00	100
EXCS7S69+1	10YR-1HR	7.44	3.28	0.0020	21.53	21.07	100
EXCS7S69+2	10YR-1HR	7.44	1.44	0.0002	3.34	3.51	230
EXCS7S76+1	10YR-1HR	6.60	2.13	0.0002	1.64	1.59	367

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EXCS7S76+2	10YR-1HR	6.66	1.44	0.0000	0.00	0.00	100
EXCS9S129+1	10YR-1HR	7.61	2.85	0.0003	3.08	3.06	100
EXCS9S129+2	10YR-1HR	7.61	3.41	0.0009	3.08	3.08	100
EXCS9S139C+1	10YR-1HR	7.61	2.61	0.0003	3.44	3.43	112
EXCS9S139C+2	10YR-1HR	7.61	3.44	0.0005	3.44	3.44	253
EXCS9S80	10YR-1HR	5.44	3.49	0.0006	10.43	10.56	196
EXCS9S80A	10YR-1HR	5.44	3.57	0.0008	18.37	18.02	196
PATRICIA LAKE	10YR-1HR	7.44	1.44	0.0000	1.11	0.00	0
POND 7AB	10YR-1HR	6.59	5.10	0.0000	5.41	2.69	35980
POND 7W1	10YR-1HR	5.94	5.12	0.0000	4.45	2.96	21110
POND 8E1	10YR-1HR	5.89	2.92	0.0010	29.38	6.88	98401
POND 8E2	10YR-1HR	5.89	3.32	0.0002	12.38	4.90	20993
POND 9E2	10YR-1HR	6.07	3.11	0.0001	9.09	8.05	6901
POND 9E4	10YR-1HR	6.94	3.97	0.0003	8.71	8.33	3035
POND 9E5	10YR-1HR	6.24	3.54	0.0002	20.51	16.86	15968
POND 9E6	10YR-1HR	5.44	3.66	0.0003	25.57	27.03	3677
POND 9W1	10YR-1HR	6.44	5.54	0.0000	1.43	1.31	5539
POND 9W2	10YR-1HR	8.70	4.06	0.0004	27.98	26.94	7077
POND 9W5	10YR-1HR	7.44	4.23	0.0004	63.19	32.32	38023
PR7S201	10YR-1HR	6.72	3.41	0.0005	15.43	15.42	703
PR7S202	10YR-1HR	8.00	3.45	0.0004	13.54	13.24	661
PR7S203	10YR-1HR	8.00	3.51	0.0005	17.24	17.15	757
PR7S204	10YR-1HR	8.00	4.70	0.0008	22.90	22.87	633
PR7S205	10YR-1HR	9.89	4.83	0.0009	11.54	11.52	344
PR7S206	10YR-1HR	5.94	3.09	0.0004	12.96	12.90	715
PR7S207	10YR-1HR	5.94	2.92	0.0005	5.32	5.30	272
PR8S201	10YR-1HR	7.64	3.51	0.0008	10.95	10.91	232
PR8S202	10YR-1HR	7.35	3.42	0.0006	11.95	11.85	662
PR8S203	10YR-1HR	10.25	3.55	0.0005	16.27	16.21	900
PR8S204	10YR-1HR	8.00	3.59	0.0005	7.59	7.54	582
PR8S205	10YR-1HR	9.07	3.61	0.0005	7.87	7.84	711
PR8S206	10YR-1HR	9.53	4.27	0.0010	7.33	7.32	434
PR9S201	10YR-1HR	9.76	2.51	0.0001	9.22	9.14	671
PR9S202	10YR-1HR	10.32	3.97	0.0005	16.82	16.47	907
PR9S203	10YR-1HR	9.26	3.97	0.0009	4.11	4.17	767
PR9S204	10YR-1HR	9.18	3.90	0.0005	5.48	4.76	857
PR9S205	10YR-1HR	12.26	4.38	0.0005	23.83	23.76	365
PR9S206	10YR-1HR	12.63	4.06	0.0005	10.19	10.13	404
PR9S207	10YR-1HR	7.44	3.60	0.0006	10.13	10.06	551
PR9S208	10YR-1HR	7.44	3.51	0.0008	5.92	5.87	319
PR9S210	10YR-1HR	7.44	3.94	0.0010	32.32	32.32	863
PR9S211	10YR-1HR	7.44	3.04	0.0008	9.05	9.04	853

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR9S212	10YR-1HR	8.70	3.88	0.0006	50.16	50.15	388
PR9S213	10YR-1HR	5.82	2.59	0.0032	11.49	9.36	103
PRCS8S207	10YR-1HR	5.88	1.45	0.0010	0.01	0.00	100
PRCS9S209+1	10YR-1HR	6.74	3.51	0.0008	2.04	2.01	100
PRCS9S209+2	10YR-1HR	6.74	3.51	0.0006	9.11	9.17	725
PRCS9S209+3	10YR-1HR	6.74	3.86	0.0010	9.11	9.11	100
SWALE 7W1	10YR-1HR	6.49	3.35	0.0000	0.30	0.00	2669
SWALE 8W1	10YR-1HR	5.48	4.94	0.0001	5.25	5.13	5170
TROPICAL PARK LAKE	10YR-1HR	7.44	1.44	0.0000	4.00	0.00	0
7GW1	10YR-24HR	7.44	2.94	0.0002	7.03	0.00	0
7GW10	10YR-24HR	7.44	2.94	0.0002	0.55	0.00	0
7GW11	10YR-24HR	7.44	2.94	0.0002	2.72	0.00	0
7GW12	10YR-24HR	7.44	2.94	0.0002	3.22	0.00	0
7GW13	10YR-24HR	7.44	2.94	0.0002	3.15	0.00	0
7GW14	10YR-24HR	7.44	2.94	0.0002	2.85	0.00	0
7GW15	10YR-24HR	7.44	2.94	0.0002	0.48	0.00	0
7GW2	10YR-24HR	7.44	2.94	0.0002	0.98	0.00	0
7GW3	10YR-24HR	7.44	2.94	0.0002	2.79	0.00	0
7GW4	10YR-24HR	7.44	2.94	0.0002	0.23	0.00	0
7GW7	10YR-24HR	7.44	2.94	0.0002	2.72	0.00	0
7GW8	10YR-24HR	7.44	2.94	0.0002	1.26	0.00	0
7GW9	10YR-24HR	7.44	2.94	0.0002	0.99	0.00	0
8GW1	10YR-24HR	7.44	2.94	0.0002	7.36	0.00	0
8GW10	10YR-24HR	7.44	2.94	0.0002	0.64	0.00	0
8GW11	10YR-24HR	7.44	2.94	0.0002	1.95	0.00	0
8GW12	10YR-24HR	7.44	2.94	0.0002	0.56	0.00	0
8GW13	10YR-24HR	7.44	2.94	0.0002	0.33	0.00	0
8GW14	10YR-24HR	7.44	2.94	0.0002	0.54	0.00	0
8GW15	10YR-24HR	7.44	2.94	0.0002	0.74	0.07	0
8GW16	10YR-24HR	7.44	2.94	0.0002	0.86	0.00	0
8GW2	10YR-24HR	7.44	2.94	0.0002	1.11	0.00	0
8GW3	10YR-24HR	7.44	2.94	0.0002	0.53	0.00	0
8GW5	10YR-24HR	7.44	2.94	0.0002	2.69	0.00	0
8GW6	10YR-24HR	7.44	2.94	0.0002	1.30	0.00	0
8GW7	10YR-24HR	7.44	2.94	0.0002	1.97	0.00	0
8GW8	10YR-24HR	7.44	2.94	0.0002	1.96	0.00	0
9GW1	10YR-24HR	7.44	2.94	0.0002	0.62	0.00	0
9GW11	10YR-24HR	7.44	2.94	0.0002	0.62	0.00	0
9GW12	10YR-24HR	7.44	2.94	0.0002	1.12	0.00	0
9GW13	10YR-24HR	7.44	2.94	0.0002	0.28	0.00	0
9GW14	10YR-24HR	7.44	2.94	0.0002	1.56	0.00	0
9GW15	10YR-24HR	7.44	2.94	0.0002	0.90	0.00	0
9GW16	10YR-24HR	5.48	2.94	0.0002	2.17	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
9GW17	10YR-24HR	7.44	2.94	0.0002	10.56	0.00	0
9GW18	10YR-24HR	7.44	2.94	0.0002	1.66	0.00	0
9GW19	10YR-24HR	7.44	2.94	0.0002	3.37	0.00	0
9GW2	10YR-24HR	7.44	2.94	0.0002	0.54	0.00	0
9GW3	10YR-24HR	7.44	2.94	0.0002	0.42	0.00	0
9GW4	10YR-24HR	7.44	2.94	0.0002	2.70	0.00	0
9GW5	10YR-24HR	7.44	2.94	0.0002	1.70	0.00	0
9GW6	10YR-24HR	7.44	2.94	0.0002	5.23	0.00	0
9GW7	10YR-24HR	7.44	2.94	0.0002	5.24	0.00	0
CANAL 1	10YR-24HR	7.44	2.64	0.0003	8.31	3.13	0
CANAL 2	10YR-24HR	7.44	2.64	0.0003	3.89	0.06	0
EX01	10YR-24HR	7.14	2.99	0.0001	0.67	0.67	1146
EX03	10YR-24HR	7.14	2.98	0.0002	1.98	2.03	1554
EX04	10YR-24HR	10.44	6.68	0.0004	0.38	0.38	606
EX7AS01	10YR-24HR	4.94	2.96	0.0004	5.19	5.15	1201
EX7AS02	10YR-24HR	13.35	5.90	0.0010	3.62	3.62	165
EX7AS03	10YR-24HR	14.30	7.64	0.0003	1.32	1.32	136
EX7AS08	10YR-24HR	12.00	7.49	0.0003	1.19	1.19	138
EX7AS11	10YR-24HR	4.94	2.96	0.0002	3.29	3.24	1338
EX7S03	10YR-24HR	8.01	2.97	0.0004	0.53	0.53	473
EX7S11	10YR-24HR	6.84	2.97	0.0002	1.90	1.87	476
EX7S13	10YR-24HR	11.45	2.95	0.0002	0.23	0.23	113
EX7S15	10YR-24HR	6.86	2.97	0.0049	7.79	8.90	486
EX7S16	10YR-24HR	14.47	2.98	0.0023	4.79	4.99	279
EX7S18	10YR-24HR	6.84	2.98	0.0018	4.43	5.09	514
EX7S1A	10YR-24HR	10.90	2.96	0.0003	1.24	1.24	312
EX7S45	10YR-24HR	9.57	2.96	0.0002	1.15	1.13	684
EX7S66	10YR-24HR	10.37	2.95	0.0002	0.62	0.60	609
EX7S68	10YR-24HR	5.94	2.97	0.0003	2.36	2.14	368
EX7S74	10YR-24HR	5.49	2.96	0.0000	0.56	0.55	497
EX7S77	10YR-24HR	4.94	2.96	0.0002	2.02	1.99	1218
EX7S78	10YR-24HR	13.52	5.39	0.0000	0.55	0.55	108
EX7S86	10YR-24HR	7.23	2.96	0.0002	2.13	2.09	1398
EX7S8A	10YR-24HR	7.26	2.97	0.0002	1.78	1.78	337
EX7S90	10YR-24HR	7.95	2.96	0.0002	1.53	1.51	545
EX7S91	10YR-24HR	7.04	2.98	0.0003	1.34	0.90	103
EX7S92	10YR-24HR	9.70	2.97	0.0002	1.40	1.36	354
EX7S93	10YR-24HR	10.04	2.98	0.0004	2.40	5.13	737
EX7S94	10YR-24HR	11.43	2.98	0.0002	1.88	1.86	356
EX7S97	10YR-24HR	7.44	2.98	0.0002	2.42	2.40	1006
EX8S01	10YR-24HR	9.27	2.97	0.0002	3.72	3.67	1317
EX8S06	10YR-24HR	7.80	2.96	0.0002	0.28	0.27	412
EX8S101	10YR-24HR	7.18	2.66	0.0009	1.79	1.23	168
EX8S12	10YR-24HR	7.26	2.96	0.0003	1.66	1.66	548
EX8S139D	10YR-24HR	7.88	2.97	0.0002	1.39	1.34	2839
EX8S15A	10YR-24HR	6.02	2.97	0.0002	3.75	3.75	1338
EX8S17	10YR-24HR	6.26	2.97	0.0005	3.21	3.21	287

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX8S21	10YR-24HR	6.59	2.97	0.0010	3.07	3.06	192
EX8S40E1	10YR-24HR	7.44	2.99	0.0002	1.82	1.78	1970
EX8S40W1	10YR-24HR	6.21	3.06	0.0003	1.00	0.97	237
EX8S40W2	10YR-24HR	7.01	3.06	0.0002	1.10	1.12	237
EX8S40W3	10YR-24HR	7.48	3.49	0.0004	1.08	1.08	611
EX8S40W4	10YR-24HR	8.48	2.99	0.0002	0.56	0.62	758
EX8S40W5	10YR-24HR	5.44	2.96	0.0002	0.31	0.28	233
EX8S40W6	10YR-24HR	7.56	2.98	0.0002	1.41	1.38	1368
EX8S40W7	10YR-24HR	5.74	2.96	0.0002	0.48	0.49	312
EX8S40W8	10YR-24HR	5.44	2.96	0.0002	0.10	0.20	100
EX8S40W9	10YR-24HR	7.74	5.10	0.0003	0.45	0.45	119
EX8S45	10YR-24HR	6.84	2.97	0.0006	2.98	2.98	804
EX8S47	10YR-24HR	6.64	2.97	0.0005	6.07	2.98	1604
EX8S5A	10YR-24HR	7.91	2.96	0.0002	0.29	0.29	162
EX8S70	10YR-24HR	7.13	2.67	0.0080	9.00	21.89	310
EX8S72A	10YR-24HR	7.98	2.96	0.0002	1.83	1.82	377
EX8S74	10YR-24HR	7.52	2.96	0.0002	3.51	3.48	909
EX8S81	10YR-24HR	7.91	2.96	0.0002	3.64	3.61	1087
EX8S83	10YR-24HR	8.58	2.96	0.0002	1.23	1.20	727
EX8S85	10YR-24HR	4.69	2.96	0.0002	1.42	1.38	1007
EX8S85B	10YR-24HR	11.23	2.96	0.0002	0.98	0.96	614
EX8S87	10YR-24HR	5.48	2.96	0.0002	1.47	1.45	610
EX8S88	10YR-24HR	7.41	2.96	0.0002	1.63	1.63	881
EX8S98	10YR-24HR	6.86	2.97	0.0001	1.63	1.63	399
EX8S99	10YR-24HR	7.64	2.97	0.0002	2.04	2.00	2738
EX9S101	10YR-24HR	11.78	6.50	0.0002	0.44	0.44	239
EX9S15	10YR-24HR	6.51	3.08	0.0005	0.62	0.55	438
EX9S49	10YR-24HR	6.06	2.97	0.0002	1.08	1.06	440
EX9S55	10YR-24HR	8.20	2.97	0.0002	0.60	0.59	446
EX9S57	10YR-24HR	5.14	2.97	0.0002	0.33	0.31	289
EX9S58	10YR-24HR	6.07	2.97	0.0002	0.51	0.49	268
EX9S63	10YR-24HR	6.58	2.97	0.0002	0.55	0.54	100
EX9S69	10YR-24HR	6.85	2.97	0.0002	0.44	0.42	155
EX9S79	10YR-24HR	6.34	3.00	0.0002	2.74	2.70	438
EX9S82	10YR-24HR	6.44	2.66	0.0003	4.02	3.89	1142
EX9S87A	10YR-24HR	7.14	2.96	0.0002	0.46	0.45	341
EX9S90	10YR-24HR	6.44	2.96	0.0002	0.80	0.77	660
EX9S90A	10YR-24HR	8.31	2.96	0.0002	0.34	0.32	177
EX9S94	10YR-24HR	12.98	2.96	0.0002	0.57	0.55	442
EX9S96	10YR-24HR	5.44	2.96	0.0002	1.10	1.06	899
EXCS7AS12+1	10YR-24HR	6.61	2.96	0.0002	0.03	0.03	100
EXCS7AS12+2	10YR-24HR	6.61	2.64	0.0003	0.02	0.03	100
EXCS7AS1B+1	10YR-24HR	6.61	2.96	0.0004	0.08	0.05	100
EXCS7AS1B+	10YR-24HR	6.61	2.64	0.0003	0.05	0.07	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
2							
EXCS7S69+1	10YR-24HR	7.44	2.97	0.0039	8.90	4.27	100
EXCS7S69+2	10YR-24HR	7.44	2.64	0.0003	0.10	0.15	229
EXCS7S76+1	10YR-24HR	6.60	2.96	0.0001	0.55	0.57	369
EXCS7S76+2	10YR-24HR	6.66	2.64	0.0003	0.05	0.06	100
EXCS9S129+1	10YR-24HR	7.61	2.97	0.0002	0.01	0.00	100
EXCS9S129+2	10YR-24HR	7.61	2.97	0.0001	0.03	0.00	100
EXCS9S139C+1	10YR-24HR	7.61	2.96	0.0001	0.01	0.01	115
EXCS9S139C+2	10YR-24HR	7.61	2.97	0.0001	0.04	0.01	253
EXCS9S80	10YR-24HR	5.44	2.66	0.0003	1.11	1.18	100
EXCS9S80A	10YR-24HR	5.44	2.66	0.0003	1.74	1.80	100
PATRICIA LAKE	10YR-24HR	7.44	2.64	0.0003	0.62	0.00	0
POND 7AB	10YR-24HR	6.59	5.05	0.0000	1.73	1.60	35776
POND 7W1	10YR-24HR	5.94	5.04	0.0000	1.41	1.35	20674
POND 8E1	10YR-24HR	5.89	2.98	0.0010	5.85	6.07	98636
POND 8E2	10YR-24HR	5.89	3.00	0.0000	2.64	2.37	20558
POND 9E2	10YR-24HR	6.07	2.97	0.0000	1.39	1.40	6748
POND 9E4	10YR-24HR	6.94	3.10	0.0001	1.60	1.60	2416
POND 9E5	10YR-24HR	6.24	3.07	0.0000	3.78	3.85	15471
POND 9E6	10YR-24HR	5.44	3.09	0.0001	4.64	5.20	3336
POND 9W1	10YR-24HR	6.44	5.49	0.0000	0.49	0.48	5388
POND 9W2	10YR-24HR	8.70	3.04	0.0000	6.17	6.01	6361
POND 9W5	10YR-24HR	7.44	3.35	0.0000	14.07	12.25	34954
PR7S201	10YR-24HR	6.72	2.98	0.0006	2.47	3.48	703
PR7S202	10YR-24HR	8.00	2.98	0.0002	2.46	2.55	660
PR7S203	10YR-24HR	8.00	2.98	0.0002	3.90	3.88	760
PR7S204	10YR-24HR	8.00	2.99	0.0005	4.91	4.89	635
PR7S205	10YR-24HR	9.89	2.99	0.0004	1.91	1.90	344
PR7S206	10YR-24HR	5.94	2.97	0.0009	3.13	3.01	716
PR7S207	10YR-24HR	5.94	2.97	0.0010	1.39	1.38	272
PR8S201	10YR-24HR	7.64	2.97	0.0007	1.81	1.81	231
PR8S202	10YR-24HR	7.35	2.97	0.0002	1.51	1.48	661
PR8S203	10YR-24HR	10.25	2.97	0.0004	3.36	3.34	807
PR8S204	10YR-24HR	8.00	2.97	0.0004	1.94	1.92	582
PR8S205	10YR-24HR	9.07	2.97	0.0004	1.30	1.29	609
PR8S206	10YR-24HR	9.53	3.18	0.0010	1.21	1.21	384
PR9S201	10YR-24HR	9.76	2.96	0.0002	1.35	1.34	671
PR9S202	10YR-24HR	10.32	3.03	0.0004	3.31	3.27	882
PR9S203	10YR-24HR	9.26	3.09	0.0003	1.07	1.15	767
PR9S204	10YR-24HR	9.18	3.03	0.0001	0.65	0.61	831
PR9S205	10YR-24HR	12.26	3.04	0.0003	5.26	5.25	300
PR9S206	10YR-24HR	12.63	3.03	0.0002	2.23	2.21	404

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR9S207	10YR-24HR	7.44	3.03	0.0002	2.21	2.19	552
PR9S208	10YR-24HR	7.44	3.03	0.0002	1.09	1.08	319
PR9S210	10YR-24HR	7.44	3.27	0.0002	12.25	12.30	869
PR9S211	10YR-24HR	7.44	3.16	0.0002	4.66	4.63	859
PR9S212	10YR-24HR	8.70	3.03	0.0004	11.21	11.20	389
PR9S213	10YR-24HR	5.82	3.01	0.0010	3.47	3.36	103
PRCS8S207	10YR-24HR	5.88	2.65	0.0078	13.81	5.15	100
PRCS9S209+1	10YR-24HR	6.74	3.03	0.0001	0.10	0.07	100
PRCS9S209+2	10YR-24HR	6.74	2.66	0.0003	1.67	1.68	725
PRCS9S209+3	10YR-24HR	6.74	3.27	0.0002	1.75	1.67	100
SWALE 7W1	10YR-24HR	6.49	4.51	0.0000	0.13	0.00	2969
SWALE 8W1	10YR-24HR	5.48	4.80	0.0000	1.48	1.47	4710
TROPICAL PARK LAKE	10YR-24HR	7.44	2.64	0.0003	0.38	0.01	0
7GW1	25YR-72HR	7.44	2.94	0.0001	40.01	0.00	0
7GW10	25YR-72HR	7.44	2.94	0.0001	4.58	0.00	0
7GW11	25YR-72HR	7.44	2.94	0.0001	10.41	0.00	0
7GW12	25YR-72HR	7.44	2.94	0.0001	12.90	0.00	0
7GW13	25YR-72HR	7.44	2.94	0.0001	11.84	0.00	0
7GW14	25YR-72HR	7.44	2.94	0.0001	10.83	0.00	0
7GW15	25YR-72HR	7.44	2.94	0.0001	2.57	0.00	0
7GW2	25YR-72HR	7.44	2.94	0.0001	3.69	0.00	0
7GW3	25YR-72HR	7.44	2.94	0.0001	10.50	0.00	0
7GW4	25YR-72HR	7.44	2.94	0.0001	1.60	0.00	0
7GW7	25YR-72HR	7.44	2.94	0.0001	25.23	0.00	0
7GW8	25YR-72HR	7.44	2.94	0.0001	15.71	0.00	0
7GW9	25YR-72HR	7.44	2.94	0.0001	9.10	0.00	0
8GW1	25YR-72HR	7.44	2.94	0.0001	36.00	0.00	0
8GW10	25YR-72HR	7.44	2.94	0.0001	4.80	0.00	0
8GW11	25YR-72HR	7.44	2.94	0.0001	10.19	0.00	0
8GW12	25YR-72HR	7.44	2.94	0.0001	6.66	0.00	0
8GW13	25YR-72HR	7.44	2.94	0.0001	1.29	0.00	0
8GW14	25YR-72HR	7.44	2.94	0.0001	1.92	0.00	0
8GW15	25YR-72HR	7.44	2.94	0.0001	2.42	0.02	0
8GW16	25YR-72HR	7.44	2.94	0.0001	3.15	0.00	0
8GW2	25YR-72HR	7.44	2.94	0.0001	3.24	0.00	0
8GW3	25YR-72HR	7.44	2.94	0.0001	4.49	0.00	0
8GW5	25YR-72HR	7.44	2.94	0.0001	15.40	0.00	0
8GW6	25YR-72HR	7.44	2.94	0.0001	8.11	0.00	0
8GW7	25YR-72HR	7.44	2.94	0.0001	11.65	0.00	0
8GW8	25YR-72HR	7.44	2.94	0.0001	11.41	0.00	0
9GW1	25YR-72HR	7.44	2.94	0.0001	6.67	0.00	0
9GW11	25YR-72HR	7.44	2.94	0.0001	6.36	0.00	0
9GW12	25YR-72HR	7.44	2.94	0.0001	11.07	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
9GW13	25YR-72HR	7.44	2.94	0.0001	2.76	0.00	0
9GW14	25YR-72HR	7.44	2.94	0.0001	15.08	0.00	0
9GW15	25YR-72HR	7.44	2.94	0.0001	9.56	0.00	0
9GW16	25YR-72HR	5.48	2.94	0.0001	10.35	0.00	0
9GW17	25YR-72HR	7.44	2.94	0.0001	26.67	0.00	0
9GW18	25YR-72HR	7.44	2.94	0.0001	8.51	0.00	0
9GW19	25YR-72HR	7.44	2.94	0.0001	18.79	0.00	0
9GW2	25YR-72HR	7.44	2.94	0.0001	3.08	0.00	0
9GW3	25YR-72HR	7.44	2.94	0.0001	5.73	0.00	0
9GW4	25YR-72HR	7.44	2.94	0.0001	17.26	0.00	0
9GW5	25YR-72HR	7.44	2.94	0.0001	8.71	0.00	0
9GW6	25YR-72HR	7.44	2.94	0.0001	27.99	0.00	0
9GW7	25YR-72HR	7.44	2.94	0.0001	29.21	0.00	0
CANAL 1	25YR-72HR	7.44	2.99	0.0001	27.92	3.12	0
CANAL 2	25YR-72HR	7.44	2.99	0.0001	27.92	0.01	0
EX01	25YR-72HR	7.14	4.86	0.0005	5.91	5.84	1108
EX03	25YR-72HR	7.14	4.70	0.0005	16.28	16.90	2379
EX04	25YR-72HR	10.44	7.29	0.0004	4.17	4.16	445
EX7AS01	25YR-72HR	4.94	3.91	0.0006	37.10	37.10	1198
EX7AS02	25YR-72HR	13.35	7.68	0.0032	27.33	27.33	165
EX7AS03	25YR-72HR	14.30	8.38	0.0028	11.37	11.37	145
EX7AS08	25YR-72HR	12.00	8.35	0.0004	9.20	9.20	176
EX7AS11	25YR-72HR	4.94	3.81	0.0006	25.22	25.19	1323
EX7S03	25YR-72HR	8.01	4.31	0.0003	7.23	7.21	473
EX7S11	25YR-72HR	6.84	4.39	0.0003	7.13	7.06	476
EX7S13	25YR-72HR	11.45	3.01	0.0001	1.61	1.60	113
EX7S15	25YR-72HR	6.86	4.51	0.0053	45.36	44.90	486
EX7S16	25YR-72HR	14.47	4.55	0.0045	26.25	26.46	279
EX7S18	25YR-72HR	6.84	4.57	0.0038	21.78	22.38	514
EX7S1A	25YR-72HR	10.90	4.05	0.0010	13.46	13.44	313
EX7S45	25YR-72HR	9.57	3.76	0.0004	15.57	15.54	684
EX7S66	25YR-72HR	10.37	4.52	0.0010	18.74	18.71	661
EX7S68	25YR-72HR	5.94	4.41	0.0012	8.96	8.22	368
EX7S74	25YR-72HR	5.49	3.90	0.0003	7.03	7.01	512
EX7S77	25YR-72HR	4.94	3.69	0.0002	15.99	16.12	1218
EX7S78	25YR-72HR	13.52	5.97	0.0001	4.00	4.00	143
EX7S86	25YR-72HR	7.23	3.61	0.0003	17.99	17.96	1398
EX7S8A	25YR-72HR	7.26	4.45	0.0004	12.42	12.39	337
EX7S90	25YR-72HR	7.95	3.61	0.0003	6.94	6.93	545
EX7S91	25YR-72HR	7.04	4.56	0.0007	2.99	2.47	103
EX7S92	25YR-72HR	9.70	4.54	0.0004	5.20	5.19	354
EX7S93	25YR-72HR	10.04	4.60	0.0007	20.73	20.95	737
EX7S94	25YR-72HR	11.43	4.57	0.0004	7.95	7.92	356
EX7S97	25YR-72HR	7.44	4.66	0.0005	20.40	20.73	1006
EX8S01	25YR-72HR	9.27	4.28	0.0004	26.66	26.58	1317
EX8S06	25YR-72HR	7.80	4.09	0.0004	2.55	2.49	416
EX8S101	25YR-72HR	7.18	3.57	0.0003	8.73	8.70	221

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX8S12	25YR-72HR	7.26	4.10	0.0004	12.28	12.24	563
EX8S139D	25YR-72HR	7.88	4.70	0.0008	13.28	13.08	2281
EX8S15A	25YR-72HR	6.02	3.80	0.0003	15.24	15.11	1338
EX8S17	25YR-72HR	6.26	3.80	0.0005	12.65	12.61	287
EX8S21	25YR-72HR	6.59	3.61	0.0010	11.90	11.85	192
EX8S40E1	25YR-72HR	7.44	5.13	0.0011	12.63	12.55	1970
EX8S40W1	25YR-72HR	6.21	6.61	0.0010	6.45	6.34	237
EX8S40W2	25YR-72HR	7.01	6.60	0.0010	5.23	5.20	277
EX8S40W3	25YR-72HR	7.48	6.60	0.0010	7.53	7.45	585
EX8S40W4	25YR-72HR	8.48	5.03	0.0010	7.45	7.44	671
EX8S40W5	25YR-72HR	5.44	4.85	0.0008	3.35	3.32	233
EX8S40W6	25YR-72HR	7.56	4.95	0.0010	13.94	13.89	1921
EX8S40W7	25YR-72HR	5.74	4.87	0.0008	5.99	5.95	312
EX8S40W8	25YR-72HR	5.44	4.88	0.0008	0.68	0.71	100
EX8S40W9	25YR-72HR	7.74	5.83	0.0002	3.59	3.58	132
EX8S45	25YR-72HR	6.84	3.61	0.0006	10.64	10.27	804
EX8S47	25YR-72HR	6.64	3.62	0.0005	10.27	9.52	1604
EX8S5A	25YR-72HR	7.91	4.09	0.0004	2.27	2.25	162
EX8S70	25YR-72HR	7.13	3.33	0.0017	27.96	27.92	310
EX8S72A	25YR-72HR	7.98	3.65	0.0003	8.11	8.10	377
EX8S74	25YR-72HR	7.52	3.86	0.0003	20.30	20.27	909
EX8S81	25YR-72HR	7.91	3.83	0.0003	16.24	16.20	1087
EX8S83	25YR-72HR	8.58	3.75	0.0003	7.83	7.79	727
EX8S85	25YR-72HR	4.69	3.65	0.0003	9.47	9.42	1007
EX8S85B	25YR-72HR	11.23	3.63	0.0003	5.64	5.63	614
EX8S87	25YR-72HR	5.48	3.68	0.0003	11.65	11.62	610
EX8S88	25YR-72HR	7.41	3.66	0.0003	8.07	8.13	881
EX8S98	25YR-72HR	6.86	3.78	0.0003	6.98	7.04	402
EX8S99	25YR-72HR	7.64	4.64	0.0009	15.22	14.72	1980
EX9S101	25YR-72HR	11.78	6.96	0.0001	3.03	3.03	315
EX9S15	25YR-72HR	6.51	5.43	0.0006	5.00	4.89	437
EX9S49	25YR-72HR	6.06	4.60	0.0009	11.44	11.30	440
EX9S55	25YR-72HR	8.20	4.46	0.0005	6.63	6.46	446
EX9S57	25YR-72HR	5.14	4.47	0.0007	7.51	7.57	289
EX9S58	25YR-72HR	6.07	4.53	0.0018	12.35	10.29	269
EX9S63	25YR-72HR	6.58	4.60	0.0025	7.23	3.08	100
EX9S69	25YR-72HR	6.85	4.57	0.0022	11.51	5.73	156
EX9S79	25YR-72HR	6.34	4.68	0.0010	17.62	17.26	439
EX9S82	25YR-72HR	6.44	4.92	0.0009	27.93	27.92	1142
EX9S87A	25YR-72HR	7.14	4.60	0.0007	11.74	11.75	341
EX9S90	25YR-72HR	6.44	4.28	0.0004	7.56	7.53	660
EX9S90A	25YR-72HR	8.31	4.29	0.0004	5.58	5.56	177
EX9S94	25YR-72HR	12.98	4.31	0.0005	5.50	5.48	442
EX9S96	25YR-72HR	5.44	4.28	0.0005	8.27	8.17	908
EXCS7AS12+1	25YR-72HR	6.61	3.80	0.0057	5.38	9.51	100
EXCS7AS12+	25YR-72HR	6.61	3.61	0.0004	5.38	5.38	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
2							
EXCS7AS1B+1	25YR-72HR	6.61	3.85	0.0051	11.70	12.97	100
EXCS7AS1B+2	25YR-72HR	6.61	3.72	0.0009	11.69	11.69	100
EXCS7S69+1	25YR-72HR	7.44	4.41	0.0051	44.90	45.93	100
EXCS7S69+2	25YR-72HR	7.44	3.70	0.0011	30.02	29.98	229
EXCS7S76+1	25YR-72HR	6.60	3.70	0.0003	8.74	8.64	453
EXCS7S76+2	25YR-72HR	6.66	3.66	0.0004	6.70	6.70	100
EXCS9S129+1	25YR-72HR	7.61	4.60	0.0010	3.69	3.69	100
EXCS9S129+2	25YR-72HR	7.61	4.63	0.0007	3.84	3.69	100
EXCS9S139C+1	25YR-72HR	7.61	4.61	0.0009	7.62	7.68	115
EXCS9S139C+2	25YR-72HR	7.61	4.67	0.0007	7.56	7.62	253
EXCS9S80	25YR-72HR	5.44	4.94	0.0007	6.32	6.41	196
EXCS9S80A	25YR-72HR	5.44	4.98	0.0005	12.22	12.02	196
PATRICIA LAKE	25YR-72HR	7.44	3.60	0.0001	18.42	7.77	0
POND 7AB	25YR-72HR	6.59	5.35	0.0001	14.66	10.97	37063
POND 7W1	25YR-72HR	5.94	5.34	0.0001	11.84	10.14	22477
POND 8E1	25YR-72HR	5.89	3.64	0.0010	65.71	28.79	101304
POND 8E2	25YR-72HR	5.89	3.97	0.0002	20.24	12.64	22052
POND 9E2	25YR-72HR	6.07	4.60	0.0005	20.60	24.58	7989
POND 9E4	25YR-72HR	6.94	5.48	0.0006	19.03	15.78	3510
POND 9E5	25YR-72HR	6.24	4.95	0.0004	34.01	23.07	17082
POND 9E6	25YR-72HR	5.44	5.00	0.0005	33.15	28.75	4600
POND 9W1	25YR-72HR	6.44	5.66	0.0000	4.26	4.15	5899
POND 9W2	25YR-72HR	8.70	6.60	0.0009	46.17	42.13	8849
POND 9W5	25YR-72HR	7.44	6.37	0.0007	104.82	49.57	48080
PR7S201	25YR-72HR	6.72	4.72	0.0013	19.65	19.63	606
PR7S202	25YR-72HR	8.00	4.85	0.0005	15.58	15.55	660
PR7S203	25YR-72HR	8.00	4.95	0.0005	16.75	16.71	760
PR7S204	25YR-72HR	8.00	5.72	0.0010	21.33	21.31	635
PR7S205	25YR-72HR	9.89	5.65	0.0011	17.69	17.68	344
PR7S206	25YR-72HR	5.94	4.29	0.0003	17.95	17.87	596
PR7S207	25YR-72HR	5.94	4.14	0.0003	5.32	5.31	272
PR8S201	25YR-72HR	7.64	4.21	0.0004	12.56	12.53	232
PR8S202	25YR-72HR	7.35	4.11	0.0003	11.13	11.10	662
PR8S203	25YR-72HR	10.25	4.16	0.0004	14.59	14.54	739
PR8S204	25YR-72HR	8.00	4.18	0.0004	6.47	6.51	582
PR8S205	25YR-72HR	9.07	4.18	0.0004	9.04	9.02	608
PR8S206	25YR-72HR	9.53	4.45	0.0008	8.42	8.39	370
PR9S201	25YR-72HR	9.76	4.35	0.0004	16.72	16.71	671
PR9S202	25YR-72HR	10.32	5.90	0.0010	23.75	23.67	883

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR9S203	25YR-72HR	9.26	5.52	0.0006	12.20	12.10	767
PR9S204	25YR-72HR	9.18	6.11	0.0010	5.38	5.49	831
PR9S205	25YR-72HR	12.26	7.30	0.0010	38.50	38.40	286
PR9S206	25YR-72HR	12.63	6.29	0.0008	17.75	17.64	404
PR9S207	25YR-72HR	7.44	5.50	0.0006	14.02	13.91	552
PR9S208	25YR-72HR	7.44	5.35	0.0007	9.19	9.06	319
PR9S210	25YR-72HR	7.44	5.78	0.0006	49.57	49.61	869
PR9S211	25YR-72HR	7.44	4.52	0.0003	11.10	11.08	859
PR9S212	25YR-72HR	8.70	6.18	0.0008	67.44	67.45	389
PR9S213	25YR-72HR	5.82	4.75	0.0036	17.23	17.22	103
PRCS8S207	25YR-72HR	5.88	3.37	0.0026	21.91	21.92	199
PRCS9S209+1	25YR-72HR	6.74	5.35	0.0008	7.93	8.00	100
PRCS9S209+2	25YR-72HR	6.74	5.35	0.0005	24.97	25.04	725
PRCS9S209+3	25YR-72HR	6.74	5.47	0.0005	24.93	24.97	100
SWALE 7W1	25YR-72HR	6.49	5.50	0.0002	1.24	0.04	3227
SWALE 8W1	25YR-72HR	5.48	5.12	0.0001	11.80	11.65	5763
TROPICAL PARK LAKE	25YR-72HR	7.44	3.60	0.0001	44.74	19.13	0

Link Min/Max Conditions [Post-Development]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX 7S86_7GW9	100YR-1HR	3.97	0.00	0.00	0.00	0.00	0.00
EX 9S15_PND9E 5	100YR-1HR	5.78	-0.47	0.01	3.27	3.92	3.30
EX01_EX03	100YR-1HR	4.06	-1.44	0.02	-1.61	3.22	1.96
EX03_S97	100YR-1HR	13.82	0.00	0.03	0.95	1.72	1.20
EX04_TPL	100YR-1HR	1.81	0.00	-0.03	3.25	1.47	2.36
EX7AS01_7G W1	100YR-1HR	23.76	0.00	0.01	0.00	0.00	0.00
EX7AS01_7G W15	100YR-1HR	3.02	0.00	0.00	0.00	0.00	0.00
EX7AS01_S1B	100YR-1HR	3.60	-0.10	0.14	0.75	0.74	0.74
EX7AS01_WE IR	100YR-1HR	6.21	0.00	0.00	1.48	1.48	1.48
EX7AS02_S01	100YR-1HR	29.17	0.00	0.16	9.28	9.61	9.45
EX7AS03_S02	100YR-1HR	9.05	0.00	1.44	5.27	2.88	4.07
EX7AS08_S11	100YR-1HR	9.28	0.00	-0.07	5.31	7.96	6.63
EX7AS11_7G W1	100YR-1HR	23.49	0.00	-0.01	0.00	0.00	0.00
EX7AS11_S01	100YR-1HR	0.00	-2.60	-0.01	-1.08	-2.19	-1.45
EX7AS11_S12	100YR-1HR	2.35	-0.13	-1.96	0.49	0.48	0.49
EX7AS1A_S11	100YR-1HR	14.37	0.00	2.10	6.11	4.57	5.19
EX7S03_S1A	100YR-1HR	6.57	-0.04	0.01	2.86	2.67	2.77
EX7S03_S8A	100YR-1HR	0.57	-4.36	0.02	2.15	-1.93	-1.62
EX7S11_7GW 3	100YR-1HR	7.62	0.00	0.00	0.00	0.00	0.00
EX7S11_GW2	100YR-1HR	2.66	0.00	0.00	0.00	0.00	0.00
EX7S11_S68	100YR-1HR	0.36	-3.46	-0.01	-1.11	-1.60	-1.12
EX7S13_7GW 4	100YR-1HR	2.04	0.00	0.00	0.00	0.00	0.00
EX7S13_S11	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7S15_S69	100YR-1HR	35.83	-0.15	9.66	2.25	2.25	2.25
EX7S16_S15	100YR-1HR	18.63	-6.47	8.90	1.17	1.17	1.17
EX7S18_S16	100YR-1HR	13.45	-11.17	-8.09	0.85	0.85	0.85
EX7S45_7GW 8	100YR-1HR	6.75	0.00	0.00	0.00	0.00	0.00
EX7S45_S86	100YR-1HR	7.29	0.00	0.22	4.53	4.16	4.26
EX7S66_7GW 8	100YR-1HR	9.63	0.00	0.00	0.00	0.00	0.00
EX7S66_S45	100YR-1HR	7.12	-0.38	0.01	2.38	3.44	2.91
EX7S68_7GW 3	100YR-1HR	7.72	0.00	0.00	0.00	0.00	0.00
EX7S68_S69	100YR-1HR	0.00	-7.78	0.23	-1.59	-3.30	-2.16
EX7S74_S206	100YR-1HR	0.04	-4.22	0.00	-1.34	-4.13	-2.74
EX7S74_S76	100YR-1HR	4.91	0.00	0.69	4.33	2.48	3.40

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX7S74_WEIR	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7S77_7GW7	100YR-1HR	11.56	0.00	0.00	0.00	0.00	0.00
EX7S77_S76	100YR-1HR	0.19	-4.13	-0.01	-1.77	-2.78	-2.27
EX7S77_WEIR	100YR-1HR	6.40	0.00	0.00	1.52	1.52	1.52
EX7S78_S77	100YR-1HR	4.15	0.00	0.00	2.82	4.12	3.47
EX7S86_7GW7	100YR-1HR	10.77	0.00	0.00	0.00	0.00	0.00
EX7S86_S77	100YR-1HR	0.88	-2.21	-0.01	-1.26	-2.97	-2.02
EX7S8A_7GW2	100YR-1HR	2.83	0.00	0.00	0.00	0.00	0.00
EX7S8A_S11	100YR-1HR	8.04	0.00	-0.01	2.74	4.28	3.42
EX7S90_7GW10	100YR-1HR	2.10	0.00	0.00	0.00	0.00	0.00
EX7S90_7GW9	100YR-1HR	3.99	0.00	0.00	0.00	0.00	0.00
EX7S90_S72A	100YR-1HR	0.00	-4.99	0.00	-2.38	-3.71	-2.93
EX7S90_S86	100YR-1HR	0.82	-0.13	-0.01	0.59	-0.92	-0.64
EX7S91_S18	100YR-1HR	0.00	-4.13	-0.35	-1.32	-1.32	-1.32
EX7S92_7GW11	100YR-1HR	7.40	0.00	0.00	0.00	0.00	0.00
EX7S92_S91	100YR-1HR	0.00	-4.00	0.01	-2.26	-3.26	-2.26
EX7S92_S94	100YR-1HR	0.00	-3.35	0.00	-1.07	-1.89	-1.29
EX7S93_S18	100YR-1HR	10.64	-5.84	-6.68	1.31	0.85	0.95
EX7S94_7GW11	100YR-1HR	7.56	0.00	0.00	0.00	0.00	0.00
EX7S94_S93	100YR-1HR	0.00	-7.01	-0.02	-2.23	-2.57	-2.23
EX7S97_S93	100YR-1HR	16.17	-0.24	0.14	2.11	-1.62	1.80
EX8S01_8GW1	100YR-1HR	22.85	0.00	0.01	0.00	0.00	0.00
EX8S01_S15A	100YR-1HR	5.79	-1.60	0.00	1.84	-2.52	1.84
EX8S06_8GW3	100YR-1HR	2.46	0.00	0.00	0.00	0.00	0.00
EX8S06_S12	100YR-1HR	0.00	-1.94	-0.03	-1.12	-3.22	-2.16
EX8S101_S70	100YR-1HR	5.73	0.00	0.03	4.53	1.82	3.18
EX8S12_S201	100YR-1HR	0.05	-10.08	-0.01	-3.21	-3.86	-3.53
EX8S12_S74	100YR-1HR	16.33	0.00	3.68	6.86	8.37	7.35
EX8S139D_8GW14	100YR-1HR	1.39	0.00	0.00	0.00	0.00	0.00
EX8S139D_8GW15	100YR-1HR	1.93	0.00	0.00	0.00	0.00	0.00
EX8S139D_S99	100YR-1HR	3.25	-0.34	-0.02	0.47	0.48	0.48
EX8S15A_8GW1	100YR-1HR	18.21	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX8S15A_S17	100YR-1HR	0.00	-9.25	-0.11	-3.43	-5.18	-4.27
EX8S17_8GW2	100YR-1HR	2.19	0.00	0.00	0.00	0.00	0.00
EX8S17_S21	100YR-1HR	11.36	-7.30	-0.10	3.62	4.44	4.01
EX8S21_8GW2	100YR-1HR	1.92	0.00	0.00	0.00	0.00	0.00
EX8S21_S45	100YR-1HR	10.86	-8.86	0.47	2.54	2.32	2.43
EX8S40E1_S99	100YR-1HR	12.78	0.00	-0.67	1.43	3.49	2.25
EX8S40W1_8GW11	100YR-1HR	5.34	0.00	0.00	0.00	0.00	0.00
EX8S40W1_W2	100YR-1HR	1.41	-0.89	0.06	0.45	0.45	0.45
EX8S40W2_8GW11	100YR-1HR	5.34	0.00	0.00	0.00	0.00	0.00
EX8S40W2_W3	100YR-1HR	1.07	-2.53	-0.02	-1.87	-3.79	-2.82
EX8S40W3_W4	100YR-1HR	10.34	0.00	0.00	5.85	6.19	5.93
EX8S40W4_8GW13	100YR-1HR	1.02	0.00	0.00	0.00	0.00	0.00
EX8S40W4_W6	100YR-1HR	9.20	-0.17	-0.01	1.05	1.09	1.07
EX8S40W5_8GW12	100YR-1HR	3.98	0.00	0.00	0.00	0.00	0.00
EX8S40W5_W7	100YR-1HR	0.00	-3.09	0.01	-0.98	-1.61	-1.12
EX8S40W6_8GW13	100YR-1HR	0.98	0.00	0.00	0.00	0.00	0.00
EX8S40W6_8GW14	100YR-1HR	1.61	0.00	0.00	0.00	0.00	0.00
EX8S40W6_S139D	100YR-1HR	12.22	-0.01	0.00	1.44	2.37	1.57
EX8S40W7_8GW12	100YR-1HR	4.03	0.00	0.00	0.00	0.00	0.00
EX8S40W7_W6	100YR-1HR	0.00	-3.11	0.00	-2.83	-3.92	-3.31
EX8S40W8_W7	100YR-1HR	0.83	0.00	0.01	0.78	0.66	0.67
EX8S40W9_S139D	100YR-1HR	3.12	0.00	0.00	2.04	4.07	3.06
EX8S45_S47	100YR-1HR	10.52	-8.77	-0.17	1.35	-1.29	1.29
EX8S47_PND8E1	100YR-1HR	9.89	-8.58	0.05	2.39	-4.21	-2.79
EX8S5A_8GW3	100YR-1HR	2.46	0.00	0.00	0.00	0.00	0.00
EX8S5A_S06	100YR-1HR	0.19	-0.45	0.04	0.38	0.49	0.43

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX8S70_CANAL1	100YR-1HR	11.07	0.00	-1.53	0.70	0.70	0.70
EX8S72A_7GW10	100YR-1HR	1.93	0.00	0.00	0.00	0.00	0.00
EX8S72A_8GW10	100YR-1HR	1.93	0.00	0.00	0.00	0.00	0.00
EX8S74_8GW10	100YR-1HR	2.56	0.00	0.00	0.00	0.00	0.00
EX8S74_8GW5	100YR-1HR	10.52	0.00	0.00	0.00	0.00	0.00
EX8S74_S72A	100YR-1HR	8.90	0.00	0.00	3.10	4.37	3.68
EX8S74_S81	100YR-1HR	3.50	-0.52	0.01	1.29	-1.64	1.35
EX8S81_8GW5	100YR-1HR	9.96	0.00	0.00	0.00	0.00	0.00
EX8S81_8GW6	100YR-1HR	4.51	0.00	0.00	0.00	0.00	0.00
EX8S81_S203	100YR-1HR	0.00	-13.49	0.00	-4.29	-6.01	-5.06
EX8S81_S83	100YR-1HR	6.17	0.00	0.00	2.28	3.47	2.58
EX8S83_8GW6	100YR-1HR	3.88	0.00	0.00	0.00	0.00	0.00
EX8S83_S85	100YR-1HR	4.69	0.00	0.00	2.01	4.02	2.94
EX8S85B_8GW8	100YR-1HR	4.58	0.00	0.00	0.00	0.00	0.00
EX8S85B_S88	100YR-1HR	0.00	-2.08	0.00	-1.26	-2.74	-1.92
EX8S85_8GW7	100YR-1HR	4.78	0.00	0.00	0.00	0.00	0.00
EX8S85_S85B	100YR-1HR	2.86	0.00	-0.01	2.35	3.33	2.76
EX8S85_S87	100YR-1HR	0.09	-1.83	0.00	-1.19	-2.50	-1.73
EX8S87_8GW7	100YR-1HR	5.01	0.00	-0.01	0.00	0.00	0.00
EX8S87_S88	100YR-1HR	3.76	-1.40	0.20	1.75	1.52	1.63
EX8S87_WEIR	100YR-1HR	9.41	0.00	0.00	1.70	1.70	1.70
EX8S88_8GW8	100YR-1HR	4.98	0.00	-0.01	0.00	0.00	0.00
EX8S88_S98	100YR-1HR	0.00	-5.58	-0.01	-4.19	-4.06	-3.84
EX8S98_PND8E2	100YR-1HR	0.00	-5.56	0.01	-2.71	-4.17	-3.43
EX8S99_8GW15	100YR-1HR	1.90	0.00	0.00	0.00	0.00	0.00
EX8S99_8GW16	100YR-1HR	2.17	0.00	0.00	0.00	0.00	0.00
EX8S99_S101	100YR-1HR	5.73	0.00	-0.01	3.32	5.01	4.16
EX9S101_S96	100YR-1HR	3.84	0.00	0.03	4.02	6.31	5.16
EX9S104_9GW6	100YR-1HR	15.65	0.00	0.00	0.00	0.00	0.00
EX9S107_9G	100YR-1HR	31.72	0.00	0.01	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W7							
EX9S110_9GW6	100YR-1HR	15.66	0.00	0.00	0.00	0.00	0.00
EX9S40E1_8GW16	100YR-1HR	2.93	0.00	0.00	0.00	0.00	0.00
EX9S49_9GW15	100YR-1HR	5.57	0.00	0.00	0.00	0.00	0.00
EX9S49_S129	100YR-1HR	0.13	-5.30	0.05	-1.08	-1.08	-1.08
EX9S55_9GW15	100YR-1HR	5.09	0.00	0.00	0.00	0.00	0.00
EX9S55_S49	100YR-1HR	0.00	-8.24	0.01	-2.62	-3.84	-3.13
EX9S57_9GW1	100YR-1HR	3.59	0.00	0.00	0.00	0.00	0.00
EX9S57_S55	100YR-1HR	1.38	-3.42	0.15	-1.68	-3.41	-2.49
EX9S58_9GW1	100YR-1HR	3.67	0.00	0.00	0.00	0.00	0.00
EX9S58_S57	100YR-1HR	4.58	-0.37	0.08	1.46	1.80	1.46
EX9S63_9GW2	100YR-1HR	3.41	0.00	0.00	0.00	0.00	0.00
EX9S69_9GW3	100YR-1HR	6.22	0.00	0.00	0.00	0.00	0.00
EX9S79_9GW4	100YR-1HR	15.05	0.00	0.01	0.00	0.00	0.00
EX9S82_CANAL2	100YR-1HR	32.74	0.00	0.02	6.67	6.67	6.67
EX9S85_9GW5	100YR-1HR	10.29	0.00	0.03	0.00	0.00	0.00
EX9S87A_9GW11	100YR-1HR	3.41	0.00	0.00	0.00	0.00	0.00
EX9S87A_S139C	100YR-1HR	0.17	-8.86	-0.01	-1.65	-1.68	-1.67
EX9S87A_S201	100YR-1HR	7.83	-1.33	0.01	2.49	-2.75	2.52
EX9S90A_9GW13	100YR-1HR	2.75	0.00	0.00	0.00	0.00	0.00
EX9S90A_S90	100YR-1HR	4.26	-0.03	-0.02	1.48	2.90	2.16
EX9S90_9GW14	100YR-1HR	7.45	0.00	0.00	0.00	0.00	0.00
EX9S90_WEIR	100YR-1HR	2.72	0.00	0.00	1.14	1.14	1.14
EX9S91A_9GW12	100YR-1HR	5.64	0.00	0.00	0.00	0.00	0.00
EX9S91A_9W11	100YR-1HR	3.08	0.00	0.00	0.00	0.00	0.00
EX9S94_9GW12	100YR-1HR	5.58	0.00	0.00	0.00	0.00	0.00
EX9S94_S201	100YR-1HR	0.16	-2.08	0.00	-0.68	-0.69	-0.68

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX9S96_9GW14	100YR-1HR	7.47	0.00	0.00	0.00	0.00	0.00
EX9S96_S90	100YR-1HR	2.19	0.00	-0.01	1.30	2.77	1.92
EXCS7AS12_TPL	100YR-1HR	1.38	0.00	0.05	1.49	0.87	1.18
EXCS7AS12_WEIR	100YR-1HR	1.38	0.00	-0.01	1.63	1.63	1.63
EXCS7AS1B_PL	100YR-1HR	3.58	0.00	0.05	3.22	2.25	2.74
EXCS7AS1B_WEIR	100YR-1HR	3.58	0.00	0.00	1.67	1.67	1.67
EXCS7S69_TPL	100YR-1HR	13.33	0.00	-0.31	0.91	0.84	0.87
EXCS7S69_WEIR	100YR-1HR	13.33	0.00	-0.03	2.59	2.59	2.59
EXCS7S76_TPL	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EXCS7S76_WEIR	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EXCS9S129_8S99	100YR-1HR	0.06	-5.70	-0.07	-2.73	-1.81	-1.82
EXCS9S129_WEIR	100YR-1HR	0.00	-5.63	0.01	-2.22	-2.22	-2.22
EXCS9S139C_S139D	100YR-1HR	0.15	-8.86	0.01	-1.44	-1.74	-1.45
EXCS9S139C_WEIR	100YR-1HR	0.00	-8.85	0.00	-2.59	-2.59	-2.59
EXCS9S80A_S82	100YR-1HR	21.18	0.00	0.03	6.74	6.74	6.74
EXCS9S80A_WEIR	100YR-1HR	21.74	0.00	-0.03	2.07	2.07	2.07
EXCS9S80_S82	100YR-1HR	12.00	-0.19	-0.02	3.82	3.82	3.82
EXCS9S80_WEIR	100YR-1HR	11.88	0.00	0.01	1.42	1.42	1.42
PND8E2_PND8E1	100YR-1HR	4.03	0.00	0.00	1.96	3.64	2.70
PND9E2_S58	100YR-1HR	8.46	0.00	1.58	5.14	4.90	4.64
PND9E2_S63	100YR-1HR	3.41	0.00	-0.30	3.81	5.70	4.76
PND9E2_S69	100YR-1HR	6.23	0.00	-0.51	4.57	7.10	5.84
PND9E4_PND9E2	100YR-1HR	14.63	0.00	0.03	4.66	6.34	5.49
PND9E5_S79	100YR-1HR	15.07	0.00	-0.07	5.26	8.01	6.63
PND9E6_S213	100YR-1HR	20.33	0.00	3.63	7.29	32.26	19.53
PR7S201_S15	100YR-1HR	20.22	-0.31	2.41	2.86	2.86	2.86
PR7S202_7G	100YR-1HR	9.62	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W12							
PR7S202_S201	100YR-1HR	7.89	-0.97	-0.08	2.15	-2.21	1.76
PR7S203_7GW12	100YR-1HR	9.72	0.00	0.00	0.00	0.00	0.00
PR7S203_7GW13	100YR-1HR	8.10	0.00	0.00	0.00	0.00	0.00
PR7S203_S202	100YR-1HR	5.09	-0.48	-0.01	1.76	1.95	1.85
PR7S204_7GW13	100YR-1HR	12.19	0.00	0.00	0.00	0.00	0.00
PR7S204_S203	100YR-1HR	14.27	0.00	0.01	4.54	5.12	4.54
PR7S205_S204	100YR-1HR	7.92	0.00	-0.03	2.52	2.52	2.52
PR7S205_S66	100YR-1HR	15.51	0.00	-0.11	5.85	6.21	6.03
PR7S206_7GW14	100YR-1HR	7.71	0.00	0.00	0.00	0.00	0.00
PR7S206_S69	100YR-1HR	0.00	-14.76	0.05	-4.70	-5.08	-4.70
PR7S207_7GW14	100YR-1HR	6.90	0.00	0.00	0.00	0.00	0.00
PR7S207_S206	100YR-1HR	0.00	-6.90	0.00	-2.20	-3.78	-2.82
PR8S201_S202	100YR-1HR	6.26	-0.36	0.01	2.67	3.59	3.00
PR8S202_S17	100YR-1HR	13.96	-1.39	-0.01	4.45	5.17	4.74
PR8S202_S203	100YR-1HR	1.12	-8.05	-0.01	-1.64	-2.08	-1.85
PR8S203_S204	100YR-1HR	0.30	-8.57	0.23	-1.75	-1.75	-1.75
PR8S204_S205	100YR-1HR	0.00	-4.57	-0.23	-1.01	-1.13	-1.07
PR8S205_PND8E1	100YR-1HR	8.58	-1.74	-0.03	3.21	5.18	4.20
PR8S206_PND8E1	100YR-1HR	10.66	0.00	0.04	3.39	5.61	4.49
PR9S201_S90A	100YR-1HR	6.99	0.00	-0.01	2.23	2.58	2.28
PR9S202_S203	100YR-1HR	7.62	-3.17	-0.01	2.42	-3.71	-2.48
PR9S202_S204	100YR-1HR	5.71	-2.84	-0.18	1.82	3.36	2.37
PR9S203_PND9E4	100YR-1HR	4.02	-3.48	-0.41	-3.73	-1.24	-2.42
PR9S203_S15	100YR-1HR	5.89	-0.56	0.01	1.87	2.76	1.87
PR9S204_S212	100YR-1HR	4.77	-2.71	0.88	1.54	2.88	1.85

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR9S205_S206	100YR-1HR	16.34	0.00	0.01	5.20	5.20	5.20
PR9S206_PND9E5	100YR-1HR	0.63	0.00	-0.01	2.46	0.23	1.34
PR9S206_S207	100YR-1HR	15.79	0.00	-0.01	5.03	5.03	5.03
PR9S207_9GW16	100YR-1HR	6.57	0.00	0.00	0.00	0.00	0.00
PR9S207_S208	100YR-1HR	9.66	-2.08	-0.01	3.07	3.75	3.07
PR9S208_9GW16	100YR-1HR	6.12	0.00	0.00	0.00	0.00	0.00
PR9S208_S209	100YR-1HR	4.56	-6.05	0.15	-1.92	2.30	-1.92
PR9S210_9GW17	100YR-1HR	18.46	0.00	-0.01	0.00	0.00	0.00
PR9S210_S209	100YR-1HR	19.27	-0.06	-0.96	6.13	6.13	6.13
PR9S210_WEIR	100YR-1HR	49.10	0.00	-0.02	3.91	3.91	3.91
PR9S211_9GW17	100YR-1HR	11.53	0.00	-0.01	0.00	0.00	0.00
PR9S211_S210	100YR-1HR	0.00	-11.54	0.01	-3.67	-4.80	-3.67
PR9S212_9GW19	100YR-1HR	20.40	0.00	0.00	0.00	0.00	0.00
PR9S212_S205	100YR-1HR	0.00	-22.77	0.01	-7.25	-7.25	-7.25
PR9S212_WEIR	100YR-1HR	45.75	0.00	0.08	3.64	3.64	3.64
PR9S213_9GW18	100YR-1HR	10.04	0.00	0.03	0.00	0.00	0.00
PRCS8S207_S70	100YR-1HR	8.47	-0.28	6.19	0.67	0.67	0.67
PRCS8S207_WEIR	100YR-1HR	8.30	0.00	0.00	1.50	1.50	1.50
PRCS9S209_S82	100YR-1HR	15.13	-1.59	0.01	2.41	2.84	2.46
PRCS9S209_WEIR1	100YR-1HR	4.43	-5.90	-0.02	-2.24	-2.24	-2.24
PRCS9S209_WEIR2	100YR-1HR	19.29	0.00	-0.01	3.35	3.35	3.35
EX 7S86_7GW9	100YR-24HR	0.78	0.00	0.00	0.00	0.00	0.00
EX 9S15_PND9E5	100YR-24HR	0.91	-0.16	0.01	-0.74	2.28	1.27

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX01_EX03	100YR-24HR	1.20	0.00	0.01	0.49	2.81	1.65
EX03_S97	100YR-24HR	3.37	0.00	0.32	0.41	0.39	0.39
EX04_TPL	100YR-24HR	0.79	0.00	0.01	2.60	0.25	1.43
EX7AS01_7GW1	100YR-24HR	6.42	0.00	0.00	0.00	0.00	0.00
EX7AS01_7GW15	100YR-24HR	0.82	0.00	0.00	0.00	0.00	0.00
EX7AS01_S1B	100YR-24HR	0.24	-0.01	0.09	0.06	0.05	0.05
EX7AS01_WEIR	100YR-24HR	2.87	0.00	0.00	1.14	1.14	1.14
EX7AS02_S01	100YR-24HR	5.80	0.00	0.03	4.55	6.13	5.34
EX7AS03_S02	100YR-24HR	2.31	0.00	0.03	3.48	0.88	2.18
EX7AS08_S11	100YR-24HR	1.93	0.00	-0.03	3.31	5.08	4.20
EX7AS11_7GW1	100YR-24HR	5.54	0.00	0.00	0.00	0.00	0.00
EX7AS11_S01	100YR-24HR	0.00	-1.36	-0.03	-0.69	-0.75	-0.72
EX7AS11_S12	100YR-24HR	0.12	-0.03	0.07	0.03	0.03	0.03
EX7AS1A_S11	100YR-24HR	2.30	0.00	-0.28	2.97	0.82	1.77
EX7S03_S1A	100YR-24HR	0.96	0.00	0.01	1.67	0.93	1.30
EX7S03_S8A	100YR-24HR	0.13	-0.62	-0.03	1.65	-1.01	0.84
EX7S11_7GW3	100YR-24HR	2.13	0.00	0.00	0.00	0.00	0.00
EX7S11_GW2	100YR-24HR	0.75	0.00	0.00	0.00	0.00	0.00
EX7S11_S68	100YR-24HR	0.00	-1.53	-0.09	-0.65	-0.66	-0.66
EX7S13_7GW4	100YR-24HR	0.35	0.00	0.00	0.00	0.00	0.00
EX7S13_S11	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7S15_S69	100YR-24HR	13.59	-0.65	13.59	0.85	0.85	0.85
EX7S16_S15	100YR-24HR	7.62	-0.58	-7.62	0.48	0.48	0.48
EX7S18_S16	100YR-24HR	5.61	-1.07	5.60	0.35	0.35	0.35
EX7S45_7GW8	100YR-24HR	1.10	0.00	0.00	0.00	0.00	0.00
EX7S45_S86	100YR-24HR	0.10	-0.80	0.08	0.71	-0.52	0.44
EX7S66_7GW8	100YR-24HR	0.98	0.00	0.00	0.00	0.00	0.00
EX7S66_S45	100YR-24HR	0.00	-0.77	-0.05	-0.50	-0.51	-0.50
EX7S68_7GW3	100YR-24HR	2.20	0.00	0.00	0.00	0.00	0.00
EX7S68_S69	100YR-24HR	0.00	-2.96	1.76	-0.73	-2.20	-1.27
EX7S74_S206	100YR-24HR	0.08	-0.83	0.01	-0.34	-2.19	-1.25
EX7S74_S76	100YR-24HR	0.83	-0.06	0.03	2.28	0.31	1.26
EX7S74_WEIR	100YR-24HR	0.06	0.00	0.00	0.00	0.00	0.00
EX7S77_7GW7	100YR-24HR	2.72	0.00	0.00	0.00	0.00	0.00
EX7S77_S76	100YR-24HR	0.05	-0.83	0.11	-0.30	-0.37	-0.34
EX7S77_WEI	100YR-24HR	2.39	0.00	0.00	1.09	1.09	1.09

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R							
EX7S78_S77	100YR-24HR	0.86	0.00	0.00	1.74	2.70	2.22
EX7S86_7GW7	100YR-24HR	2.11	0.00	0.00	0.00	0.00	0.00
EX7S86_S77	100YR-24HR	0.15	-1.11	0.03	-0.66	-0.70	-0.68
EX7S8A_7GW2	100YR-24HR	0.75	0.00	0.00	0.00	0.00	0.00
EX7S8A_S11	100YR-24HR	1.59	-0.01	-0.12	1.22	2.26	1.67
EX7S90_7GW10	100YR-24HR	0.46	0.00	0.00	0.00	0.00	0.00
EX7S90_7GW9	100YR-24HR	0.87	0.00	0.00	0.00	0.00	0.00
EX7S90_S72A	100YR-24HR	0.00	-1.98	0.07	-1.15	-1.21	-1.18
EX7S90_S86	100YR-24HR	1.24	-0.02	-0.05	0.66	0.68	0.67
EX7S91_S18	100YR-24HR	0.04	-1.83	-1.17	-0.58	-0.59	-0.59
EX7S92_7GW11	100YR-24HR	2.12	0.00	0.00	0.00	0.00	0.00
EX7S92_S91	100YR-24HR	0.00	-1.38	-0.24	-0.78	-2.16	-1.25
EX7S92_S94	100YR-24HR	0.00	-0.76	-0.07	-0.34	-0.43	-0.38
EX7S93_S18	100YR-24HR	5.37	-0.08	-5.19	0.75	0.43	0.59
EX7S94_7GW11	100YR-24HR	2.14	0.00	0.00	0.00	0.00	0.00
EX7S94_S93	100YR-24HR	0.00	-2.22	0.23	-0.88	-1.92	-1.34
EX7S97_S93	100YR-24HR	4.15	-0.01	0.30	1.02	0.57	0.80
EX8S01_8GW1	100YR-24HR	6.01	0.00	0.00	0.00	0.00	0.00
EX8S01_S15A	100YR-24HR	0.00	-0.82	-0.02	-0.47	-0.54	-0.51
EX8S06_8GW3	100YR-24HR	0.51	0.00	0.00	0.00	0.00	0.00
EX8S06_S12	100YR-24HR	0.00	-0.32	0.01	-0.42	-2.06	-1.24
EX8S101_S70	100YR-24HR	1.82	-0.01	0.05	1.38	0.58	0.98
EX8S12_S201	100YR-24HR	0.06	-1.95	-0.03	-1.37	-2.64	-1.99
EX8S12_S74	100YR-24HR	2.83	0.00	0.20	3.69	2.56	2.60
EX8S139D_8GW14	100YR-24HR	0.35	0.00	0.00	0.00	0.00	0.00
EX8S139D_8GW15	100YR-24HR	0.49	-0.05	0.00	0.00	0.00	0.00
EX8S139D_S99	100YR-24HR	1.06	0.00	-0.01	0.21	0.21	0.21
EX8S15A_8GW1	100YR-24HR	6.05	0.00	0.00	0.00	0.00	0.00
EX8S15A_S17	100YR-24HR	0.00	-4.49	0.10	-2.15	-3.65	-2.86
EX8S17_8GW2	100YR-24HR	0.79	0.00	0.00	0.00	0.00	0.00
EX8S17_S21	100YR-24HR	0.19	-4.87	0.09	-1.93	-2.07	-2.00
EX8S21_8GW2	100YR-24HR	0.86	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX8S21_S45	100YR-24HR	0.05	-5.50	0.46	-1.17	-1.31	-1.24
EX8S40E1_S99	100YR-24HR	2.21	0.00	0.02	0.42	0.76	0.47
EX8S40W1_8GW11	100YR-24HR	1.52	0.00	0.00	0.00	0.00	0.00
EX8S40W1_W2	100YR-24HR	0.00	-0.18	-0.04	-0.27	-0.29	-0.28
EX8S40W2_8GW11	100YR-24HR	1.53	0.00	0.00	0.00	0.00	0.00
EX8S40W2_W3	100YR-24HR	0.00	-0.81	0.00	-1.10	-2.76	-1.93
EX8S40W3_W4	100YR-24HR	0.82	0.00	0.00	1.11	2.76	1.94
EX8S40W4_8GW13	100YR-24HR	0.22	0.00	0.00	0.00	0.00	0.00
EX8S40W4_W6	100YR-24HR	0.64	0.00	-0.07	0.13	0.13	0.13
EX8S40W5_8GW12	100YR-24HR	0.43	0.00	0.00	0.00	0.00	0.00
EX8S40W5_W7	100YR-24HR	0.00	-0.30	-0.06	-0.36	-0.53	-0.43
EX8S40W6_8GW13	100YR-24HR	0.22	0.00	0.00	0.00	0.00	0.00
EX8S40W6_8GW14	100YR-24HR	0.36	0.00	0.00	0.00	0.00	0.00
EX8S40W6_S139D	100YR-24HR	1.65	0.00	0.03	0.32	0.42	0.32
EX8S40W7_8GW12	100YR-24HR	0.44	0.00	0.00	0.00	0.00	0.00
EX8S40W7_W6	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX8S40W8_W7	100YR-24HR	0.18	0.00	0.04	0.61	0.42	0.49
EX8S40W9_S139D	100YR-24HR	0.75	0.00	0.00	0.97	2.69	1.83
EX8S45_S47	100YR-24HR	0.02	-5.50	-0.74	-0.67	-1.29	-0.98
EX8S47_PND8E1	100YR-24HR	0.00	-6.07	0.06	-1.37	-4.21	-2.79
EX8S5A_8GW3	100YR-24HR	0.51	0.00	0.00	0.00	0.00	0.00
EX8S5A_S06	100YR-24HR	0.04	-0.11	-0.04	0.18	0.19	0.19
EX8S70_CANAL1	100YR-24HR	2.31	-0.18	0.89	0.15	0.15	0.15
EX8S72A_7GW10	100YR-24HR	0.47	0.00	0.00	0.00	0.00	0.00
EX8S72A_8GW10	100YR-24HR	0.47	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX8S74_8GW10	100YR-24HR	0.62	0.00	0.00	0.00	0.00	0.00
EX8S74_8GW5	100YR-24HR	2.22	0.00	0.00	0.00	0.00	0.00
EX8S74_S72A	100YR-24HR	2.91	0.00	-0.05	1.55	1.70	1.63
EX8S74_S81	100YR-24HR	0.00	-1.10	0.03	-0.56	-0.57	-0.57
EX8S81_8GW5	100YR-24HR	2.36	0.00	0.00	0.00	0.00	0.00
EX8S81_8GW6	100YR-24HR	1.13	0.00	0.00	0.00	0.00	0.00
EX8S81_S203	100YR-24HR	0.00	-4.76	0.04	-1.85	-3.75	-2.64
EX8S81_S83	100YR-24HR	1.32	0.00	-0.05	0.71	1.06	0.74
EX8S83_8GW6	100YR-24HR	1.06	0.00	0.00	0.00	0.00	0.00
EX8S83_S85	100YR-24HR	0.94	-0.04	-0.04	0.52	0.54	0.53
EX8S85B_8GW8	100YR-24HR	1.61	0.00	0.00	0.00	0.00	0.00
EX8S85B_S88	100YR-24HR	0.00	-0.90	0.06	-0.48	-0.54	-0.50
EX8S85_8GW7	100YR-24HR	1.62	0.00	0.00	0.00	0.00	0.00
EX8S85_S85B	100YR-24HR	0.76	-0.08	0.08	0.56	0.44	0.49
EX8S85_S87	100YR-24HR	0.03	-0.76	0.04	-0.44	-0.46	-0.45
EX8S87_8GW7	100YR-24HR	1.67	0.00	0.00	0.00	0.00	0.00
EX8S87_S88	100YR-24HR	0.08	-0.29	0.03	-0.09	-0.09	-0.09
EX8S87_WEIR	100YR-24HR	2.47	0.00	0.00	1.09	1.09	1.09
EX8S88_8GW8	100YR-24HR	1.68	0.00	0.00	0.00	0.00	0.00
EX8S88_S98	100YR-24HR	0.00	-2.58	-0.03	-2.86	-1.14	-1.96
EX8S98_PND8E2	100YR-24HR	0.00	-2.58	-0.01	-2.43	-2.87	-2.58
EX8S99_8GW15	100YR-24HR	0.49	0.00	0.00	0.00	0.00	0.00
EX8S99_8GW16	100YR-24HR	0.55	0.00	0.00	0.00	0.00	0.00
EX8S99_S101	100YR-24HR	1.82	0.00	0.00	2.36	3.40	2.85
EX9S101_S96	100YR-24HR	0.66	0.00	0.01	2.49	3.42	2.85
EX9S104_9GW6	100YR-24HR	4.13	0.00	0.00	0.00	0.00	0.00
EX9S107_9GW7	100YR-24HR	8.25	0.00	0.00	0.00	0.00	0.00
EX9S110_9GW6	100YR-24HR	4.08	0.00	0.00	0.00	0.00	0.00
EX9S40E1_8GW16	100YR-24HR	0.58	0.00	0.00	0.00	0.00	0.00
EX9S49_9GW	100YR-24HR	0.92	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
15							
EX9S49_S129	100YR-24HR	0.01	-0.56	-0.20	-0.15	-0.16	-0.15
EX9S55_9GW15	100YR-24HR	0.87	0.00	0.00	0.00	0.00	0.00
EX9S55_S49	100YR-24HR	0.06	-1.23	-0.06	-0.64	-0.73	-0.65
EX9S57_9GW1	100YR-24HR	0.61	0.00	0.00	0.00	0.00	0.00
EX9S57_S55	100YR-24HR	0.15	-0.37	-0.04	-0.20	-0.62	-0.36
EX9S58_9GW1	100YR-24HR	0.62	0.00	0.00	0.00	0.00	0.00
EX9S58_S57	100YR-24HR	0.27	0.00	-0.05	0.32	0.38	0.35
EX9S63_9GW2	100YR-24HR	0.74	0.00	0.00	0.00	0.00	0.00
EX9S69_9GW3	100YR-24HR	0.83	0.00	0.00	0.00	0.00	0.00
EX9S79_9GW4	100YR-24HR	3.21	0.00	0.00	0.00	0.00	0.00
EX9S82_CANAL2	100YR-24HR	11.86	-0.06	0.07	2.93	2.42	2.67
EX9S85_9GW5	100YR-24HR	2.02	0.00	0.01	0.00	0.00	0.00
EX9S87A_9GW11	100YR-24HR	0.57	0.00	0.00	0.00	0.00	0.00
EX9S87A_S139C	100YR-24HR	0.01	-0.73	-0.14	-0.29	-0.29	-0.29
EX9S87A_S201	100YR-24HR	0.89	-0.08	-0.11	0.48	-0.60	0.48
EX9S90A_9GW13	100YR-24HR	0.51	0.00	0.00	0.00	0.00	0.00
EX9S90A_S90	100YR-24HR	0.26	-0.03	-0.06	0.39	1.24	0.78
EX9S90_9GW14	100YR-24HR	1.40	0.00	0.00	0.00	0.00	0.00
EX9S90_WEIR	100YR-24HR	0.86	0.00	0.00	0.78	0.78	0.78
EX9S91A_9GW12	100YR-24HR	1.02	0.00	0.00	0.00	0.00	0.00
EX9S91A_9W11	100YR-24HR	0.55	0.00	0.00	0.00	0.00	0.00
EX9S94_9GW12	100YR-24HR	1.01	0.00	0.00	0.00	0.00	0.00
EX9S94_S201	100YR-24HR	0.00	-0.37	0.03	-0.20	-0.20	-0.20
EX9S96_9GW14	100YR-24HR	1.41	0.00	0.00	0.00	0.00	0.00
EX9S96_S90	100YR-24HR	0.35	0.00	0.03	0.32	0.46	0.35
EXCS7AS12_TPL	100YR-24HR	0.09	0.00	0.03	0.02	0.02	0.02
EXCS7AS12_	100YR-24HR	0.07	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
WEIR							
EXCS7AS1B_PL	100YR-24HR	0.21	0.00	0.05	0.05	0.05	0.05
EXCS7AS1B_WEIR	100YR-24HR	0.18	0.00	0.00	0.00	0.00	0.00
EXCS7S69_TPL	100YR-24HR	0.50	-0.01	0.16	0.03	0.03	0.03
EXCS7S69_WEIR	100YR-24HR	0.40	0.00	-0.03	0.81	0.81	0.81
EXCS7S76_TPL	100YR-24HR	0.13	0.00	0.03	0.04	0.04	0.04
EXCS7S76_WEIR	100YR-24HR	0.11	0.00	0.00	0.00	0.00	0.00
EXCS9S129_8S99	100YR-24HR	0.00	-0.57	-0.13	-0.45	-0.18	-0.24
EXCS9S129_WEIR	100YR-24HR	0.00	-0.49	0.00	0.00	0.00	0.00
EXCS9S139C_S139D	100YR-24HR	0.01	-0.69	-0.13	-0.17	-0.20	-0.18
EXCS9S139C_WEIR	100YR-24HR	0.00	-0.56	0.00	0.00	0.00	0.00
EXCS9S80A_S82	100YR-24HR	3.16	0.00	-0.27	1.01	1.01	1.01
EXCS9S80A_WEIR	100YR-24HR	3.17	0.00	0.00	1.09	1.09	1.09
EXCS9S80_S82	100YR-24HR	2.86	0.00	1.32	0.91	0.91	0.91
EXCS9S80_WEIR	100YR-24HR	2.82	0.00	0.00	1.05	1.05	1.05
PND8E2_PND8E1	100YR-24HR	1.44	-0.13	0.00	1.36	2.85	2.01
PND9E2_S58	100YR-24HR	0.81	0.00	0.07	2.63	2.97	2.70
PND9E2_S63	100YR-24HR	0.82	0.00	-0.14	3.12	4.47	3.79
PND9E2_S69	100YR-24HR	0.86	0.00	0.10	2.89	4.27	3.58
PND9E4_PND9E2	100YR-24HR	1.23	0.00	0.00	1.70	2.98	2.34
PND9E5_S79	100YR-24HR	3.22	0.00	-0.22	4.08	6.36	5.22
PND9E6_S213	100YR-24HR	4.00	0.00	0.55	4.07	17.80	10.74
PR7S201_S15	100YR-24HR	4.14	-0.55	-2.97	0.60	0.59	0.59
PR7S202_7GW12	100YR-24HR	2.48	0.00	0.00	0.00	0.00	0.00
PR7S202_S201	100YR-24HR	1.32	-0.19	-0.59	0.46	-1.17	-0.62
PR7S203_7GW12	100YR-24HR	2.54	0.00	0.00	0.00	0.00	0.00
PR7S203_7G	100YR-24HR	2.11	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W13							
PR7S203_S202	100YR-24HR	1.37	-0.13	0.08	0.57	-0.89	-0.64
PR7S204_7GW13	100YR-24HR	2.78	0.00	0.00	0.00	0.00	0.00
PR7S204_S203	100YR-24HR	4.73	0.00	0.04	1.73	2.47	1.87
PR7S205_S204	100YR-24HR	2.88	0.00	0.41	1.32	1.85	1.36
PR7S205_S66	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
PR7S206_7GW14	100YR-24HR	2.29	0.00	0.56	0.00	0.00	0.00
PR7S206_S69	100YR-24HR	0.05	-3.87	1.40	-1.63	-2.42	-1.77
PR7S207_7GW14	100YR-24HR	2.14	0.00	0.56	0.00	0.00	0.00
PR7S207_S206	100YR-24HR	0.01	-2.15	-0.06	-0.97	-1.04	-0.99
PR8S201_S202	100YR-24HR	1.39	-0.58	0.05	1.89	2.08	1.80
PR8S202_S17	100YR-24HR	1.90	-1.18	-0.09	2.48	2.10	2.21
PR8S202_S203	100YR-24HR	0.78	-0.76	-0.06	0.81	-0.65	0.60
PR8S203_S204	100YR-24HR	0.05	-3.35	0.18	-0.98	-1.07	-1.02
PR8S204_S205	100YR-24HR	0.01	-2.39	-0.10	-0.61	-0.70	-0.65
PR8S205_PND8E1	100YR-24HR	0.00	-0.82	0.00	-1.04	-2.46	-1.75
PR8S206_PND8E1	100YR-24HR	1.85	0.00	0.01	1.65	3.28	2.42
PR9S201_S90A	100YR-24HR	0.78	0.00	0.09	0.42	0.75	0.58
PR9S202_S203	100YR-24HR	0.28	-0.82	0.01	0.73	-2.63	-1.60
PR9S202_S204	100YR-24HR	0.88	-0.15	0.03	0.40	0.58	0.41
PR9S203_PND9E4	100YR-24HR	0.03	-1.30	-0.02	-1.96	-0.32	-1.05
PR9S203_S15	100YR-24HR	0.95	-0.17	-0.09	0.30	1.48	0.83
PR9S204_S212	100YR-24HR	0.85	-0.16	0.04	0.37	1.94	1.12
PR9S205_S206	100YR-24HR	3.54	-0.02	-0.18	1.33	1.65	1.42
PR9S206_PND9E5	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
PR9S206_S207	100YR-24HR	3.53	-0.01	-0.06	1.27	2.05	1.51

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR9S207_9GW16	100YR-24HR	1.70	0.00	0.00	0.00	0.00	0.00
PR9S207_S208	100YR-24HR	1.82	0.00	-0.11	0.79	1.16	0.89
PR9S208_9GW16	100YR-24HR	1.67	0.00	0.00	0.00	0.00	0.00
PR9S208_S209	100YR-24HR	0.43	-0.01	0.10	0.15	0.15	0.15
PR9S210_9GW17	100YR-24HR	8.29	0.00	0.00	0.00	0.00	0.00
PR9S210_S209	100YR-24HR	5.88	-0.01	0.20	1.87	1.87	1.87
PR9S210_WEIR	100YR-24HR	20.31	0.00	-0.01	1.62	1.62	1.62
PR9S211_9GW17	100YR-24HR	6.15	0.00	0.00	0.00	0.00	0.00
PR9S211_S210	100YR-24HR	0.00	-6.16	0.00	-1.96	-2.79	-2.01
PR9S212_9GW19	100YR-24HR	5.31	0.00	0.00	0.00	0.00	0.00
PR9S212_S205	100YR-24HR	0.00	-4.76	0.08	-1.69	-3.15	-2.21
PR9S212_WEIR	100YR-24HR	9.72	0.00	0.00	1.45	1.45	1.45
PR9S213_9GW18	100YR-24HR	1.98	0.00	0.01	0.00	0.00	0.00
PRCS8S207_S70	100YR-24HR	1.16	-0.56	1.16	0.09	0.09	0.09
PRCS8S207_WEIR	100YR-24HR	0.56	0.00	0.00	0.00	0.00	0.00
PRCS9S209_S82	100YR-24HR	5.99	-0.03	0.10	0.95	0.97	0.96
PRCS9S209_WEIR1	100YR-24HR	0.36	0.00	0.00	0.89	0.89	0.89
PRCS9S209_WEIR2	100YR-24HR	5.88	0.00	0.00	2.26	2.26	2.26
EX 7S86_7GW9	10YR-1HR	1.79	0.00	0.00	0.00	0.00	0.00
EX 9S15_PND9E5	10YR-1HR	3.57	-0.17	0.01	2.02	3.59	2.52
EX01_EX03	10YR-1HR	2.04	-0.90	0.01	-1.40	3.01	1.80
EX03_S97	10YR-1HR	8.06	0.00	0.03	0.76	1.66	1.15
EX04_TPL	10YR-1HR	0.66	0.00	-0.01	2.49	0.54	1.51
EX7AS01_7GW1	10YR-1HR	16.42	0.00	0.00	0.00	0.00	0.00
EX7AS01_7G	10YR-1HR	2.08	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W15							
EX7AS01_S1B	10YR-1HR	0.11	-0.07	0.01	0.07	0.06	0.06
EX7AS01_WEIR	10YR-1HR	2.69	0.00	0.00	1.12	1.12	1.12
EX7AS02_S01	10YR-1HR	19.18	0.00	-0.16	6.49	7.90	7.19
EX7AS03_S02	10YR-1HR	5.34	0.00	0.03	4.44	1.70	3.07
EX7AS08_S11	10YR-1HR	6.00	0.00	-0.03	4.60	7.05	5.83
EX7AS11_7GW1	10YR-1HR	15.89	0.00	0.00	0.00	0.00	0.00
EX7AS11_S01	10YR-1HR	0.00	-1.39	0.00	-0.87	-1.36	-1.03
EX7AS11_S12	10YR-1HR	0.19	-0.11	0.02	0.10	0.09	0.10
EX7AS1A_S11	10YR-1HR	8.81	0.00	0.67	5.22	3.05	4.13
EX7S03_S1A	10YR-1HR	3.48	-0.01	0.01	2.51	2.07	2.29
EX7S03_S8A	10YR-1HR	0.58	-1.95	0.02	2.18	-1.41	1.15
EX7S11_7GW3	10YR-1HR	5.90	0.00	0.00	0.00	0.00	0.00
EX7S11_GW2	10YR-1HR	2.06	0.00	0.00	0.00	0.00	0.00
EX7S11_S68	10YR-1HR	0.21	-2.56	-0.01	-0.93	-1.41	-0.94
EX7S13_7GW4	10YR-1HR	1.40	0.00	0.00	0.00	0.00	0.00
EX7S13_S11	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7S15_S69	10YR-1HR	21.53	-0.43	9.23	1.35	1.35	1.35
EX7S16_S15	10YR-1HR	10.98	-4.62	9.44	0.69	0.69	0.69
EX7S18_S16	10YR-1HR	6.30	-9.20	-9.20	-0.58	-0.58	-0.58
EX7S45_7GW8	10YR-1HR	3.67	0.00	0.00	0.00	0.00	0.00
EX7S45_S86	10YR-1HR	2.58	0.00	0.01	3.32	2.90	3.11
EX7S66_7GW8	10YR-1HR	4.55	0.00	0.00	0.00	0.00	0.00
EX7S66_S45	10YR-1HR	1.48	-0.36	0.00	1.15	-2.09	-1.40
EX7S68_7GW3	10YR-1HR	5.97	0.00	0.00	0.00	0.00	0.00
EX7S68_S69	10YR-1HR	0.00	-6.83	0.13	-1.45	-3.28	-2.14
EX7S74_S206	10YR-1HR	0.04	-1.67	0.00	-0.64	-3.03	-1.80
EX7S74_S76	10YR-1HR	1.64	0.00	-0.03	3.17	1.28	2.21
EX7S74_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7S77_7GW7	10YR-1HR	5.74	0.00	0.00	0.00	0.00	0.00
EX7S77_S76	10YR-1HR	0.13	-1.59	0.00	-1.18	-2.35	-1.76
EX7S77_WEIR	10YR-1HR	2.96	0.00	0.00	1.17	1.17	1.17
EX7S78_S77	10YR-1HR	2.56	0.00	0.00	2.43	3.60	3.01
EX7S86_7GW7	10YR-1HR	4.86	0.00	0.00	0.00	0.00	0.00
EX7S86_S77	10YR-1HR	0.22	-0.53	0.00	-0.72	-1.96	-1.26
EX7S8A_7GW	10YR-1HR	2.15	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
2							
EX7S8A_S11	10YR-1HR	6.44	0.00	-0.01	2.63	4.12	3.28
EX7S90_7GW10	10YR-1HR	0.96	0.00	0.00	0.00	0.00	0.00
EX7S90_7GW9	10YR-1HR	1.82	0.00	0.00	0.00	0.00	0.00
EX7S90_S72A	10YR-1HR	0.00	-2.00	0.00	-1.72	-3.34	-2.53
EX7S90_S86	10YR-1HR	0.20	-0.08	0.00	-0.38	-0.82	-0.57
EX7S91_S18	10YR-1HR	0.00	-3.36	-0.34	-1.07	-1.07	-1.07
EX7S92_7GW11	10YR-1HR	5.70	0.00	0.00	0.00	0.00	0.00
EX7S92_S91	10YR-1HR	0.00	-3.19	-0.01	-1.80	-3.19	-2.10
EX7S92_S94	10YR-1HR	0.00	-2.51	0.00	-0.92	-1.78	-1.21
EX7S93_S18	10YR-1HR	7.21	-4.22	-6.09	1.09	-0.64	0.82
EX7S94_7GW11	10YR-1HR	5.78	0.00	0.00	0.00	0.00	0.00
EX7S94_S93	10YR-1HR	0.00	-5.64	-0.03	-1.80	-2.55	-1.89
EX7S97_S93	10YR-1HR	9.30	-0.20	0.12	1.84	-1.55	1.42
EX8S01_8GW1	10YR-1HR	15.04	0.00	0.00	0.00	0.00	0.00
EX8S01_S15A	10YR-1HR	2.90	-0.95	0.00	1.03	-2.14	-1.38
EX8S06_8GW3	10YR-1HR	2.03	0.00	0.00	0.00	0.00	0.00
EX8S06_S12	10YR-1HR	0.00	-1.67	0.01	-1.05	-3.12	-2.08
EX8S101_S70	10YR-1HR	3.47	0.00	-0.03	3.90	1.10	2.50
EX8S12_S201	10YR-1HR	0.05	-5.55	-0.01	-2.13	-3.01	-2.55
EX8S12_S74	10YR-1HR	11.22	0.00	3.25	6.30	8.38	7.34
EX8S139D_8GW14	10YR-1HR	1.14	0.00	0.00	0.00	0.00	0.00
EX8S139D_8GW15	10YR-1HR	1.59	0.00	0.00	0.00	0.00	0.00
EX8S139D_S99	10YR-1HR	1.97	-0.29	0.00	0.33	0.33	0.33
EX8S15A_8GW1	10YR-1HR	13.78	0.00	0.00	0.00	0.00	0.00
EX8S15A_S17	10YR-1HR	0.00	-6.97	0.00	-3.03	-4.77	-3.88
EX8S17_8GW2	10YR-1HR	1.68	0.00	0.00	0.00	0.00	0.00
EX8S17_S21	10YR-1HR	7.19	-5.30	-0.07	2.76	-3.56	-3.05
EX8S21_8GW2	10YR-1HR	1.52	0.00	0.00	0.00	0.00	0.00
EX8S21_S45	10YR-1HR	6.57	-6.62	0.41	1.73	-1.80	-1.66
EX8S40E1_S99	10YR-1HR	8.25	0.00	0.00	1.21	3.27	2.10
EX8S40W1_8GW11	10YR-1HR	5.04	0.00	0.00	0.00	0.00	0.00
EX8S40W1_W	10YR-1HR	0.00	-0.89	0.07	-0.33	-0.34	-0.34

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
2							
EX8S40W2_8GW11	10YR-1HR	5.04	0.00	0.00	0.00	0.00	0.00
EX8S40W2_W3	10YR-1HR	0.00	-2.42	0.00	-1.83	-3.74	-2.78
EX8S40W3_W4	10YR-1HR	4.28	0.00	0.00	2.42	4.51	3.47
EX8S40W4_8GW13	10YR-1HR	0.77	0.00	0.00	0.00	0.00	0.00
EX8S40W4_W6	10YR-1HR	3.19	-0.14	-0.01	0.48	0.49	0.48
EX8S40W5_8GW12	10YR-1HR	1.85	0.00	0.00	0.00	0.00	0.00
EX8S40W5_W7	10YR-1HR	0.00	-1.27	0.00	-0.87	-1.58	-1.09
EX8S40W6_8GW13	10YR-1HR	0.76	0.00	0.00	0.00	0.00	0.00
EX8S40W6_8GW14	10YR-1HR	1.25	0.00	0.00	0.00	0.00	0.00
EX8S40W6_S139D	10YR-1HR	6.48	0.00	0.00	1.04	2.23	1.44
EX8S40W7_8GW12	10YR-1HR	1.87	0.00	0.00	0.00	0.00	0.00
EX8S40W7_W6	10YR-1HR	0.00	-0.48	0.00	-1.62	-2.37	-2.00
EX8S40W8_W7	10YR-1HR	0.55	0.00	0.00	0.77	0.66	0.67
EX8S40W9_S139D	10YR-1HR	1.84	0.00	0.00	1.55	3.47	2.51
EX8S45_S47	10YR-1HR	6.35	-6.57	-0.15	0.94	-1.29	-0.98
EX8S47_PND8E1	10YR-1HR	5.93	-6.48	0.05	1.69	-4.21	-2.79
EX8S5A_8GW3	10YR-1HR	2.03	0.00	0.00	0.00	0.00	0.00
EX8S5A_S06	10YR-1HR	0.06	-0.48	-0.08	0.37	0.47	0.41
EX8S70_CANAL1	10YR-1HR	3.48	-0.01	0.16	0.22	0.22	0.22
EX8S72A_7GW10	10YR-1HR	1.18	0.00	0.00	0.00	0.00	0.00
EX8S72A_8GW10	10YR-1HR	1.18	0.00	0.00	0.00	0.00	0.00
EX8S74_8GW10	10YR-1HR	1.72	0.00	0.00	0.00	0.00	0.00
EX8S74_8GW5	10YR-1HR	7.06	0.00	0.00	0.00	0.00	0.00
EX8S74_S72A	10YR-1HR	4.37	0.00	0.00	2.33	3.90	3.07
EX8S74_S81	10YR-1HR	1.50	-0.29	0.01	0.83	-1.44	-0.91

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX8S81_8GW5	10YR-1HR	6.78	0.00	0.00	0.00	0.00	0.00
EX8S81_8GW6	10YR-1HR	3.07	0.00	0.00	0.00	0.00	0.00
EX8S81_S203	10YR-1HR	0.00	-9.66	0.00	-3.07	-5.39	-4.23
EX8S81_S83	10YR-1HR	3.25	0.00	0.00	1.84	3.33	2.46
EX8S83_8GW6	10YR-1HR	2.51	0.00	0.00	0.00	0.00	0.00
EX8S83_S85	10YR-1HR	1.97	0.00	0.00	1.43	3.31	2.36
EX8S85B_8GW8	10YR-1HR	1.78	0.00	0.00	0.00	0.00	0.00
EX8S85B_S88	10YR-1HR	0.00	-0.89	0.00	-1.05	-2.54	-1.76
EX8S85_8GW7	10YR-1HR	2.46	0.00	0.00	0.00	0.00	0.00
EX8S85_S85B	10YR-1HR	0.95	0.00	0.00	1.79	2.70	2.21
EX8S85_S87	10YR-1HR	0.00	-0.76	0.00	-0.93	-2.23	-1.52
EX8S87_8GW7	10YR-1HR	2.82	0.00	0.00	0.00	0.00	0.00
EX8S87_S88	10YR-1HR	1.92	-0.90	-0.09	1.23	0.99	1.11
EX8S87_WEIR	10YR-1HR	5.13	0.00	0.00	1.39	1.39	1.39
EX8S88_8GW8	10YR-1HR	2.81	0.00	0.00	0.00	0.00	0.00
EX8S88_S98	10YR-1HR	0.00	-3.02	0.01	-3.72	-3.64	-3.39
EX8S98_PND8E2	10YR-1HR	0.00	-3.04	0.01	-2.37	-3.74	-3.00
EX8S99_8GW15	10YR-1HR	1.56	0.00	0.00	0.00	0.00	0.00
EX8S99_8GW16	10YR-1HR	1.78	0.00	0.00	0.00	0.00	0.00
EX8S99_S101	10YR-1HR	3.47	0.00	0.00	2.82	4.21	3.52
EX9S101_S96	10YR-1HR	2.64	0.00	0.03	3.61	5.69	4.65
EX9S104_9GW6	10YR-1HR	12.03	0.00	0.00	0.00	0.00	0.00
EX9S107_9GW7	10YR-1HR	23.47	0.00	0.01	0.00	0.00	0.00
EX9S110_9GW6	10YR-1HR	11.59	0.00	0.00	0.00	0.00	0.00
EX9S40E1_8GW16	10YR-1HR	2.17	0.00	0.00	0.00	0.00	0.00
EX9S49_9GW15	10YR-1HR	3.39	0.00	0.00	0.00	0.00	0.00
EX9S49_S129	10YR-1HR	0.11	-3.06	0.04	-0.73	-0.77	-0.75
EX9S55_9GW15	10YR-1HR	2.93	0.00	0.00	0.00	0.00	0.00
EX9S55_S49	10YR-1HR	0.00	-4.62	0.00	-2.07	-3.36	-2.68
EX9S57_9GW	10YR-1HR	2.06	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
1							
EX9S57_S55	10YR-1HR	0.07	-1.73	0.01	-1.33	-3.01	-2.14
EX9S58_9GW1	10YR-1HR	2.07	0.00	0.00	0.00	0.00	0.00
EX9S58_S57	10YR-1HR	1.01	0.00	0.02	0.91	1.84	1.27
EX9S63_9GW2	10YR-1HR	2.48	0.00	0.00	0.00	0.00	0.00
EX9S69_9GW3	10YR-1HR	2.65	0.00	0.00	0.00	0.00	0.00
EX9S79_9GW4	10YR-1HR	6.86	0.00	0.00	0.00	0.00	0.00
EX9S82_CANAL2	10YR-1HR	28.82	0.00	0.02	6.27	5.87	5.92
EX9S85_9GW5	10YR-1HR	4.74	0.00	0.02	0.00	0.00	0.00
EX9S87A_9GW11	10YR-1HR	1.85	0.00	0.00	0.00	0.00	0.00
EX9S87A_S139C	10YR-1HR	0.13	-3.43	0.00	-1.35	-1.40	-1.37
EX9S87A_S201	10YR-1HR	2.58	-1.09	0.00	1.41	-2.65	-1.93
EX9S90A_9GW13	10YR-1HR	1.53	0.00	0.00	0.00	0.00	0.00
EX9S90A_S90	10YR-1HR	1.93	-0.01	-0.01	1.36	2.77	2.04
EX9S90_9GW14	10YR-1HR	4.10	0.00	0.00	0.00	0.00	0.00
EX9S90_WEIR	10YR-1HR	1.31	0.00	0.00	0.90	0.90	0.90
EX9S91A_9GW12	10YR-1HR	3.18	0.00	0.00	0.00	0.00	0.00
EX9S91A_9W11	10YR-1HR	1.74	0.00	0.00	0.00	0.00	0.00
EX9S94_9GW12	10YR-1HR	3.15	0.00	0.00	0.00	0.00	0.00
EX9S94_S201	10YR-1HR	0.11	-0.80	0.00	-0.49	-0.50	-0.49
EX9S96_9GW14	10YR-1HR	4.23	0.00	0.00	0.00	0.00	0.00
EX9S96_S90	10YR-1HR	1.59	0.00	0.00	1.19	2.67	1.85
EXCS7AS12_TPL	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EXCS7AS12_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EXCS7AS1B_PL	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EXCS7AS1B_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EXCS7S69_TP	10YR-1HR	3.51	0.00	-0.32	0.24	0.22	0.23

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L							
EXCS7S69_WEIR	10YR-1HR	3.34	0.00	0.01	1.63	1.63	1.63
EXCS7S76_TPL	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EXCS7S76_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EXCS9S129_8S99	10YR-1HR	0.06	-3.08	-0.07	-2.63	-0.98	-1.63
EXCS9S129_WEIR	10YR-1HR	0.00	-3.08	0.00	0.00	0.00	0.00
EXCS9S139C_S139D	10YR-1HR	0.14	-3.44	0.01	-0.74	-1.65	-1.13
EXCS9S139C_WEIR	10YR-1HR	0.00	-3.44	0.00	0.00	0.00	0.00
EXCS9S80A_S82	10YR-1HR	18.02	0.00	0.03	5.74	5.74	5.74
EXCS9S80A_WEIR	10YR-1HR	18.37	0.00	-0.01	1.96	1.96	1.96
EXCS9S80_S82	10YR-1HR	10.56	-0.16	0.01	3.36	3.36	3.36
EXCS9S80_WEIR	10YR-1HR	10.43	0.00	0.01	1.53	1.53	1.53
PND8E2_PND8E1	10YR-1HR	1.87	0.00	0.00	1.40	3.28	2.34
PND9E2_S58	10YR-1HR	2.92	0.00	-0.13	3.65	4.62	4.13
PND9E2_S63	10YR-1HR	2.78	0.00	-0.21	3.95	5.86	4.91
PND9E2_S69	10YR-1HR	2.66	0.00	-0.03	3.62	5.66	4.64
PND9E4_PND9E2	10YR-1HR	6.57	0.00	-0.01	2.95	4.74	3.85
PND9E5_S79	10YR-1HR	6.88	0.00	-0.03	4.80	7.43	6.12
PND9E6_S213	10YR-1HR	11.49	0.00	-3.08	6.11	29.44	17.77
PR7S201_S15	10YR-1HR	15.42	-0.22	2.01	2.18	2.18	2.18
PR7S202_7GW12	10YR-1HR	7.21	0.00	0.00	0.00	0.00	0.00
PR7S202_S201	10YR-1HR	6.52	-0.79	0.04	2.00	-2.15	1.58
PR7S203_7GW12	10YR-1HR	7.41	0.00	0.00	0.00	0.00	0.00
PR7S203_7GW13	10YR-1HR	6.17	0.00	0.00	0.00	0.00	0.00
PR7S203_S202	10YR-1HR	4.52	-0.41	-0.01	1.64	1.81	1.72
PR7S204_7GW13	10YR-1HR	9.74	0.00	0.00	0.00	0.00	0.00
PR7S204_S20	10YR-1HR	13.38	0.00	0.01	4.26	4.90	4.31

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
3							
PR7S205_S204	10YR-1HR	7.90	0.00	0.01	2.52	2.52	2.52
PR7S205_S66	10YR-1HR	5.20	0.00	-0.04	4.18	4.62	4.40
PR7S206_7GW14	10YR-1HR	5.93	0.00	0.01	0.00	0.00	0.00
PR7S206_S69	10YR-1HR	0.00	-10.99	0.05	-3.65	-4.91	-4.06
PR7S207_7GW14	10YR-1HR	5.30	0.00	0.00	0.00	0.00	0.00
PR7S207_S206	10YR-1HR	0.00	-5.32	0.00	-1.99	-3.64	-2.70
PR8S201_S202	10YR-1HR	5.36	-0.10	0.01	2.60	3.48	2.91
PR8S202_S17	10YR-1HR	11.85	-1.02	0.00	4.23	4.93	4.54
PR8S202_S203	10YR-1HR	0.95	-6.60	0.01	-1.45	-1.95	-1.70
PR8S203_S204	10YR-1HR	0.28	-7.54	0.01	-1.58	-1.66	-1.62
PR8S204_S205	10YR-1HR	0.00	-3.79	0.01	-0.79	-0.86	-0.82
PR8S205_PND8E1	10YR-1HR	4.23	-0.47	-0.01	2.46	4.14	3.30
PR8S206_PND8E1	10YR-1HR	7.32	0.00	0.03	2.53	4.89	3.71
PR9S201_S90A	10YR-1HR	3.47	0.00	0.00	1.69	2.43	2.02
PR9S202_S203	10YR-1HR	0.95	-2.34	0.04	-1.08	-3.41	-2.23
PR9S202_S204	10YR-1HR	5.48	-0.27	0.00	1.75	3.18	2.23
PR9S203_PND9E4	10YR-1HR	0.05	-3.11	-0.38	-3.62	-1.14	-2.32
PR9S203_S15	10YR-1HR	3.59	-0.18	0.00	1.14	2.66	1.71
PR9S204_S212	10YR-1HR	4.76	0.00	-0.01	1.55	2.99	1.94
PR9S205_S206	10YR-1HR	10.19	0.00	0.00	3.24	3.24	3.24
PR9S206_PND9E5	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
PR9S206_S207	10YR-1HR	10.13	0.00	0.00	3.22	4.03	3.22
PR9S207_9GW16	10YR-1HR	4.41	0.00	0.00	0.00	0.00	0.00
PR9S207_S208	10YR-1HR	5.92	0.00	-0.01	1.88	3.55	2.65
PR9S208_9GW16	10YR-1HR	4.22	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR9S208_S209	10YR-1HR	2.04	-1.76	-0.10	1.42	2.18	1.78
PR9S210_9GW17	10YR-1HR	14.16	0.00	-0.01	0.00	0.00	0.00
PR9S210_S209	10YR-1HR	9.11	-0.06	0.01	2.90	2.90	2.90
PR9S210_WEIR	10YR-1HR	32.32	0.00	-0.01	2.57	2.57	2.57
PR9S211_9GW17	10YR-1HR	9.04	0.00	-0.01	0.00	0.00	0.00
PR9S211_S210	10YR-1HR	0.00	-9.05	0.01	-2.88	-4.66	-3.39
PR9S212_9GW19	10YR-1HR	15.10	0.00	0.00	0.00	0.00	0.00
PR9S212_S205	10YR-1HR	0.00	-13.60	-0.01	-4.33	-4.33	-4.33
PR9S212_WEIR	10YR-1HR	26.94	0.00	0.01	2.14	2.14	2.14
PR9S213_9GW18	10YR-1HR	4.63	0.00	0.02	0.00	0.00	0.00
PRCS8S207_S70	10YR-1HR	0.00	-0.01	-0.01	0.00	0.00	0.00
PRCS8S207_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
PRCS9S209_S82	10YR-1HR	8.86	-1.33	0.01	1.41	1.84	1.52
PRCS9S209_WEIR1	10YR-1HR	2.01	-1.67	0.01	1.57	1.57	1.57
PRCS9S209_WEIR2	10YR-1HR	9.11	0.00	0.00	2.61	2.61	2.61
EX 7S86_7GW9	10YR-24HR	0.47	0.00	0.00	0.00	0.00	0.00
EX 9S15_PND9E5	10YR-24HR	0.55	-0.13	-0.01	-0.63	2.11	1.16
EX01_EX03	10YR-24HR	0.67	0.00	-0.02	0.32	2.41	1.36
EX03_S97	10YR-24HR	2.03	0.00	0.47	0.34	0.38	0.34
EX04_TPL	10YR-24HR	0.38	0.00	-0.01	2.15	0.21	1.13
EX7AS01_7GW1	10YR-24HR	3.80	0.00	0.00	0.00	0.00	0.00
EX7AS01_7GW15	10YR-24HR	0.48	0.00	0.00	0.00	0.00	0.00
EX7AS01_S1B	10YR-24HR	0.08	0.00	0.04	0.02	0.02	0.02
EX7AS01_WEIR	10YR-24HR	1.60	0.00	0.00	0.94	0.94	0.94
EX7AS02_S01	10YR-24HR	3.62	0.00	0.03	3.95	5.37	4.66
EX7AS03_S02	10YR-24HR	1.32	0.00	0.03	2.99	0.59	1.79

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX7AS08_S11	10YR-24HR	1.19	0.00	0.03	2.90	4.40	3.65
EX7AS11_7GW1	10YR-24HR	3.24	0.00	0.00	0.00	0.00	0.00
EX7AS11_S01	10YR-24HR	0.00	-0.87	0.03	-0.54	-0.57	-0.55
EX7AS11_S12	10YR-24HR	0.03	-0.03	0.02	-0.01	-0.01	-0.01
EX7AS1A_S11	10YR-24HR	1.24	0.00	-0.42	2.65	0.48	1.52
EX7S03_S1A	10YR-24HR	0.53	0.00	0.01	1.24	0.49	0.87
EX7S03_S8A	10YR-24HR	0.11	-0.43	-0.03	1.58	-0.69	0.81
EX7S11_7GW3	10YR-24HR	1.39	0.00	0.00	0.00	0.00	0.00
EX7S11_GW2	10YR-24HR	0.48	0.00	0.00	0.00	0.00	0.00
EX7S11_S68	10YR-24HR	0.00	-0.73	-0.09	-0.38	-0.38	-0.38
EX7S13_7GW4	10YR-24HR	0.23	0.00	0.00	0.00	0.00	0.00
EX7S13_S11	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7S15_S69	10YR-24HR	8.90	-0.73	-8.90	0.56	0.56	0.56
EX7S16_S15	10YR-24HR	4.99	-0.84	4.99	0.31	0.31	0.31
EX7S18_S16	10YR-24HR	3.92	-0.73	-3.93	0.25	0.25	0.25
EX7S45_7GW8	10YR-24HR	0.66	0.00	0.00	0.00	0.00	0.00
EX7S45_S86	10YR-24HR	0.08	-0.50	-0.07	0.59	-0.31	0.36
EX7S66_7GW8	10YR-24HR	0.60	0.00	0.00	0.00	0.00	0.00
EX7S66_S45	10YR-24HR	0.00	-0.47	0.04	-0.33	-0.34	-0.34
EX7S68_7GW3	10YR-24HR	1.41	0.00	0.00	0.00	0.00	0.00
EX7S68_S69	10YR-24HR	0.00	-1.86	1.30	-0.52	-1.94	-1.09
EX7S74_S206	10YR-24HR	0.06	-0.56	-0.02	-0.24	-1.48	-0.78
EX7S74_S76	10YR-24HR	0.55	-0.05	-0.02	1.68	0.20	0.88
EX7S74_WEIR	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7S77_7GW7	10YR-24HR	1.46	0.00	0.00	0.00	0.00	0.00
EX7S77_S76	10YR-24HR	0.03	-0.57	0.08	0.22	-0.24	-0.22
EX7S77_WEIR	10YR-24HR	1.35	0.00	0.00	0.90	0.90	0.90
EX7S78_S77	10YR-24HR	0.55	0.00	0.00	1.51	2.36	1.94
EX7S86_7GW7	10YR-24HR	1.27	0.00	0.00	0.00	0.00	0.00
EX7S86_S77	10YR-24HR	0.14	-0.55	0.02	-0.37	-0.38	-0.37
EX7S8A_7GW2	10YR-24HR	0.49	0.00	0.00	0.00	0.00	0.00
EX7S8A_S11	10YR-24HR	1.28	-0.01	0.17	1.02	1.88	1.35
EX7S90_7GW10	10YR-24HR	0.27	0.00	0.00	0.00	0.00	0.00
EX7S90_7GW9	10YR-24HR	0.52	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX7S90_S72A	10YR-24HR	0.00	-1.32	0.06	-0.84	-0.87	-0.85
EX7S90_S86	10YR-24HR	0.85	0.00	0.04	0.49	0.50	0.50
EX7S91_S18	10YR-24HR	0.03	-1.34	-1.03	-0.43	-0.47	-0.45
EX7S92_7GW11	10YR-24HR	1.36	0.00	0.00	0.00	0.00	0.00
EX7S92_S91	10YR-24HR	0.00	-0.90	-0.12	-0.51	-1.91	-1.08
EX7S92_S94	10YR-24HR	0.00	-0.49	0.09	-0.26	-0.32	-0.29
EX7S93_S18	10YR-24HR	3.81	-0.10	-3.64	0.60	0.30	0.45
EX7S94_7GW11	10YR-24HR	1.37	0.00	0.00	0.00	0.00	0.00
EX7S94_S93	10YR-24HR	0.00	-1.42	-0.22	-0.68	-1.71	-1.17
EX7S97_S93	10YR-24HR	2.40	-0.01	0.54	0.75	0.38	0.56
EX8S01_8GW1	10YR-24HR	3.67	0.00	0.00	0.00	0.00	0.00
EX8S01_S15A	10YR-24HR	0.13	-0.57	-0.02	-0.45	-0.49	-0.47
EX8S06_8GW3	10YR-24HR	0.27	0.00	0.00	0.00	0.00	0.00
EX8S06_S12	10YR-24HR	0.00	-0.14	0.01	-0.22	-1.56	-0.88
EX8S101_S70	10YR-24HR	1.23	-0.85	-0.95	0.96	0.71	0.67
EX8S12_S201	10YR-24HR	0.07	-1.05	-0.04	-0.88	-1.75	-1.30
EX8S12_S74	10YR-24HR	1.58	0.00	0.11	3.13	2.11	2.06
EX8S139D_8GW14	10YR-24HR	0.27	0.00	0.00	0.00	0.00	0.00
EX8S139D_8GW15	10YR-24HR	0.37	-0.07	0.00	0.00	0.00	0.00
EX8S139D_S99	10YR-24HR	0.72	0.00	0.01	0.16	0.16	0.16
EX8S15A_8GW1	10YR-24HR	3.69	0.00	0.00	0.00	0.00	0.00
EX8S15A_S17	10YR-24HR	0.00	-2.69	-0.11	-2.01	-3.16	-2.56
EX8S17_8GW2	10YR-24HR	0.52	0.00	0.00	0.00	0.00	0.00
EX8S17_S21	10YR-24HR	0.17	-2.65	-0.08	-1.51	-1.69	-1.60
EX8S21_8GW2	10YR-24HR	0.59	0.00	0.00	0.00	0.00	0.00
EX8S21_S45	10YR-24HR	0.03	-2.98	-0.35	-0.70	-0.86	-0.78
EX8S40E1_S99	10YR-24HR	1.35	0.00	0.03	0.29	0.52	0.34
EX8S40W1_8GW11	10YR-24HR	0.97	0.00	0.00	0.00	0.00	0.00
EX8S40W1_W2	10YR-24HR	0.00	-0.15	-0.04	-0.23	-0.24	-0.23
EX8S40W2_8GW11	10YR-24HR	0.97	0.00	0.00	0.00	0.00	0.00
EX8S40W2_W3	10YR-24HR	0.00	-0.52	0.00	-0.89	-2.44	-1.67
EX8S40W3_W	10YR-24HR	0.56	0.00	0.00	0.95	2.49	1.72

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
4							
EX8S40W4_8GW13	10YR-24HR	0.17	0.00	0.00	0.00	0.00	0.00
EX8S40W4_W6	10YR-24HR	0.58	0.00	0.25	0.13	0.13	0.13
EX8S40W5_8GW12	10YR-24HR	0.28	0.00	0.00	0.00	0.00	0.00
EX8S40W5_W7	10YR-24HR	0.00	-0.20	-0.03	-0.28	-0.38	-0.32
EX8S40W6_8GW13	10YR-24HR	0.16	0.00	0.00	0.00	0.00	0.00
EX8S40W6_8GW14	10YR-24HR	0.27	0.00	0.00	0.00	0.00	0.00
EX8S40W6_S139D	10YR-24HR	0.95	0.00	-0.03	0.21	0.32	0.26
EX8S40W7_8GW12	10YR-24HR	0.28	0.00	0.00	0.00	0.00	0.00
EX8S40W7_W6	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX8S40W8_W7	10YR-24HR	0.20	0.00	0.12	0.52	0.31	0.39
EX8S40W9_S139D	10YR-24HR	0.45	0.00	0.00	0.73	2.35	1.54
EX8S45_S47	10YR-24HR	0.02	-2.98	0.32	-0.67	-1.29	-0.98
EX8S47_PND8E1	10YR-24HR	0.01	-6.07	0.08	-1.37	-4.21	-2.79
EX8S5A_8GW3	10YR-24HR	0.27	0.00	0.00	0.00	0.00	0.00
EX8S5A_S06	10YR-24HR	0.04	-0.05	-0.02	0.14	0.15	0.15
EX8S70_CANAL1	10YR-24HR	8.31	-3.13	7.37	0.52	0.52	0.52
EX8S72A_7GW10	10YR-24HR	0.28	0.00	0.00	0.00	0.00	0.00
EX8S72A_8GW10	10YR-24HR	0.28	0.00	0.00	0.00	0.00	0.00
EX8S74_8GW10	10YR-24HR	0.36	0.00	0.00	0.00	0.00	0.00
EX8S74_8GW5	10YR-24HR	1.29	0.00	0.00	0.00	0.00	0.00
EX8S74_S72A	10YR-24HR	1.83	0.00	0.05	1.15	1.22	1.18
EX8S74_S81	10YR-24HR	0.00	-0.81	0.03	-0.47	-0.49	-0.48
EX8S81_8GW5	10YR-24HR	1.40	0.00	0.00	0.00	0.00	0.00
EX8S81_8GW6	10YR-24HR	0.67	0.00	0.00	0.00	0.00	0.00
EX8S81_S203	10YR-24HR	0.00	-3.02	0.05	-1.42	-3.37	-2.32
EX8S81_S83	10YR-24HR	0.82	0.00	0.03	0.62	0.68	0.65

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX8S83_8GW6	10YR-24HR	0.63	0.00	0.00	0.00	0.00	0.00
EX8S83_S85	10YR-24HR	0.57	-0.02	-0.03	0.43	0.45	0.43
EX8S85B_8GW8	10YR-24HR	0.96	0.00	0.00	0.00	0.00	0.00
EX8S85B_S88	10YR-24HR	0.00	-0.59	-0.05	-0.37	-0.37	-0.37
EX8S85_8GW7	10YR-24HR	0.97	0.00	0.00	0.00	0.00	0.00
EX8S85_S85B	10YR-24HR	0.42	-0.06	0.02	0.38	0.30	0.33
EX8S85_S87	10YR-24HR	0.03	-0.46	-0.02	-0.29	-0.29	-0.29
EX8S87_8GW7	10YR-24HR	1.00	0.00	0.00	0.00	0.00	0.00
EX8S87_S88	10YR-24HR	0.06	-0.26	-0.02	-0.08	-0.08	-0.08
EX8S87_WEIR	10YR-24HR	1.47	0.00	0.00	0.92	0.92	0.92
EX8S88_8GW8	10YR-24HR	1.00	0.00	0.00	0.00	0.00	0.00
EX8S88_S98	10YR-24HR	0.00	-1.63	0.03	-2.43	-0.81	-1.59
EX8S98_PND8E2	10YR-24HR	0.00	-1.63	-0.01	-2.27	-2.45	-2.31
EX8S99_8GW15	10YR-24HR	0.37	0.00	0.00	0.00	0.00	0.00
EX8S99_8GW16	10YR-24HR	0.42	0.00	0.00	0.00	0.00	0.00
EX8S99_S101	10YR-24HR	1.23	0.00	0.01	2.23	2.35	2.28
EX9S101_S96	10YR-24HR	0.44	0.00	0.01	2.23	3.07	2.58
EX9S104_9GW6	10YR-24HR	2.64	0.00	0.00	0.00	0.00	0.00
EX9S107_9GW7	10YR-24HR	5.24	0.00	0.00	0.00	0.00	0.00
EX9S110_9GW6	10YR-24HR	2.59	0.00	0.00	0.00	0.00	0.00
EX9S40E1_8GW16	10YR-24HR	0.44	0.00	0.00	0.00	0.00	0.00
EX9S49_9GW15	10YR-24HR	0.46	0.00	0.00	0.00	0.00	0.00
EX9S49_S129	10YR-24HR	0.01	0.00	0.00	0.01	-0.01	0.01
EX9S55_9GW15	10YR-24HR	0.44	0.00	0.00	0.00	0.00	0.00
EX9S55_S49	10YR-24HR	0.05	-0.60	0.04	-0.45	-0.49	-0.47
EX9S57_9GW1	10YR-24HR	0.31	0.00	0.00	0.00	0.00	0.00
EX9S57_S55	10YR-24HR	0.12	-0.15	-0.03	-0.14	-0.47	-0.27
EX9S58_9GW1	10YR-24HR	0.31	0.00	0.00	0.00	0.00	0.00
EX9S58_S57	10YR-24HR	0.22	0.00	0.05	0.20	0.21	0.20
EX9S63_9GW	10YR-24HR	0.54	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
2							
EX9S69_9GW3	10YR-24HR	0.42	0.00	0.00	0.00	0.00	0.00
EX9S79_9GW4	10YR-24HR	2.70	0.00	0.00	0.00	0.00	0.00
EX9S82_CANAL2	10YR-24HR	3.89	-0.06	-0.07	1.16	0.79	0.98
EX9S85_9GW5	10YR-24HR	1.70	0.00	0.01	0.00	0.00	0.00
EX9S87A_9GW11	10YR-24HR	0.31	0.00	0.00	0.00	0.00	0.00
EX9S87A_S139C	10YR-24HR	0.01	-0.01	0.00	-0.07	-0.07	-0.07
EX9S87A_S201	10YR-24HR	0.15	-0.07	-0.03	-0.27	-0.38	-0.32
EX9S90A_9GW13	10YR-24HR	0.28	0.00	0.00	0.00	0.00	0.00
EX9S90A_S90	10YR-24HR	0.10	-0.02	0.02	0.30	0.93	0.60
EX9S90_9GW14	10YR-24HR	0.77	0.00	0.00	0.00	0.00	0.00
EX9S90_WEIR	10YR-24HR	0.48	0.00	0.00	0.64	0.64	0.64
EX9S91A_9GW12	10YR-24HR	0.56	0.00	0.00	0.00	0.00	0.00
EX9S91A_9W11	10YR-24HR	0.31	0.00	0.00	0.00	0.00	0.00
EX9S94_9GW12	10YR-24HR	0.55	0.00	0.00	0.00	0.00	0.00
EX9S94_S201	10YR-24HR	0.01	-0.14	0.02	-0.09	-0.09	-0.09
EX9S96_9GW14	10YR-24HR	0.79	0.00	0.00	0.00	0.00	0.00
EX9S96_S90	10YR-24HR	0.28	0.00	0.03	0.26	0.29	0.27
EXCS7AS12_TPL	10YR-24HR	0.03	0.00	0.01	0.01	0.01	0.01
EXCS7AS12_WEIR	10YR-24HR	0.02	0.00	0.00	0.00	0.00	0.00
EXCS7AS1B_PL	10YR-24HR	0.07	0.00	0.02	0.02	0.02	0.02
EXCS7AS1B_WEIR	10YR-24HR	0.05	0.00	0.00	0.00	0.00	0.00
EXCS7S69_TPL	10YR-24HR	0.15	-0.01	0.08	0.01	0.01	0.01
EXCS7S69_WEIR	10YR-24HR	0.10	0.00	-0.01	0.00	0.00	0.00
EXCS7S76_TPL	10YR-24HR	0.06	0.00	0.02	0.02	0.02	0.02
EXCS7S76_W	10YR-24HR	0.05	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EIR							
EXCS9S129_8S99	10YR-24HR	0.00	-0.03	0.00	-0.04	0.07	0.04
EXCS9S129_WEIR	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EXCS9S139C_S139D	10YR-24HR	0.01	-0.04	-0.03	-0.13	-0.11	-0.11
EXCS9S139C_WEIR	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EXCS9S80A_S82	10YR-24HR	1.80	0.00	-0.17	0.57	0.57	0.57
EXCS9S80A_WEIR	10YR-24HR	1.74	0.00	0.00	0.89	0.89	0.89
EXCS9S80_S82	10YR-24HR	1.18	0.00	0.36	0.37	0.37	0.37
EXCS9S80_WEIR	10YR-24HR	1.11	0.00	0.00	0.77	0.77	0.77
PND8E2_PND8E1	10YR-24HR	0.74	-0.11	-0.01	1.02	2.56	1.79
PND9E2_S58	10YR-24HR	0.51	0.00	0.06	2.29	2.67	2.45
PND9E2_S63	10YR-24HR	0.55	0.00	0.06	2.86	4.04	3.45
PND9E2_S69	10YR-24HR	0.44	0.00	0.06	2.51	3.63	3.07
PND9E4_PND9E2	10YR-24HR	0.80	0.00	0.00	1.49	2.62	2.05
PND9E5_S79	10YR-24HR	2.74	0.00	0.22	4.00	6.20	5.10
PND9E6_S213	10YR-24HR	3.47	0.00	0.73	3.90	17.17	10.36
PR7S201_S15	10YR-24HR	3.48	-0.55	-2.84	0.54	0.49	0.51
PR7S202_7GW12	10YR-24HR	1.59	0.00	0.00	0.00	0.00	0.00
PR7S202_S201	10YR-24HR	0.97	-0.16	0.44	0.42	-1.10	-0.57
PR7S203_7GW12	10YR-24HR	1.63	0.00	0.00	0.00	0.00	0.00
PR7S203_7GW13	10YR-24HR	1.35	0.00	0.00	0.00	0.00	0.00
PR7S203_S202	10YR-24HR	0.90	-0.08	-0.06	0.45	-0.69	-0.52
PR7S204_7GW13	10YR-24HR	1.80	0.00	0.00	0.00	0.00	0.00
PR7S204_S203	10YR-24HR	3.09	0.00	-0.04	1.40	1.98	1.51
PR7S205_S204	10YR-24HR	1.90	0.00	-0.27	1.19	1.74	1.29
PR7S205_S66	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
PR7S206_7GW14	10YR-24HR	1.47	0.00	0.46	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR7S206_S69	10YR-24HR	0.03	-2.41	1.01	-1.24	-2.10	-1.48
PR7S207_7GW14	10YR-24HR	1.38	0.00	0.45	0.00	0.00	0.00
PR7S207_S206	10YR-24HR	0.00	-1.39	0.06	-0.75	-0.78	-0.76
PR8S201_S202	10YR-24HR	1.13	-0.53	-0.04	1.83	1.91	1.74
PR8S202_S17	10YR-24HR	1.48	-1.16	0.05	2.28	1.95	2.02
PR8S202_S203	10YR-24HR	0.78	-0.39	-0.05	0.81	-0.52	0.60
PR8S203_S204	10YR-24HR	0.06	-1.92	-0.16	-0.70	-0.78	-0.74
PR8S204_S205	10YR-24HR	0.01	-1.29	-0.11	-0.39	-0.47	-0.43
PR8S205_PND8E1	10YR-24HR	0.01	-0.34	-0.01	-0.59	-1.69	-1.08
PR8S206_PND8E1	10YR-24HR	1.21	0.00	0.01	1.39	2.90	2.15
PR9S201_S90A	10YR-24HR	0.34	0.00	0.07	0.31	0.55	0.43
PR9S202_S203	10YR-24HR	0.12	-0.53	0.00	0.44	-2.34	-1.38
PR9S202_S204	10YR-24HR	0.65	-0.06	-0.03	0.34	0.47	0.34
PR9S203_PND9E4	10YR-24HR	0.03	-0.80	0.02	-1.89	-0.21	-1.00
PR9S203_S15	10YR-24HR	0.62	-0.15	0.09	0.21	1.41	0.78
PR9S204_S212	10YR-24HR	0.61	-0.05	-0.04	0.32	1.67	0.93
PR9S205_S206	10YR-24HR	2.23	-0.02	-0.24	1.12	1.52	1.20
PR9S206_PND9E5	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
PR9S206_S207	10YR-24HR	2.21	-0.01	0.06	1.03	1.48	1.21
PR9S207_9GW16	10YR-24HR	1.10	0.00	0.00	0.00	0.00	0.00
PR9S207_S208	10YR-24HR	1.09	0.00	0.18	0.61	0.75	0.68
PR9S208_9GW16	10YR-24HR	1.08	0.00	0.00	0.00	0.00	0.00
PR9S208_S209	10YR-24HR	0.10	-0.01	0.04	0.22	0.21	0.21
PR9S210_9GW17	10YR-24HR	5.93	0.00	0.00	0.00	0.00	0.00
PR9S210_S209	10YR-24HR	1.75	-0.01	-0.21	0.58	0.58	0.58

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR9S210_WEIR	10YR-24HR	12.25	0.00	0.00	1.45	1.45	1.45
PR9S211_9GW17	10YR-24HR	4.63	0.00	0.00	0.00	0.00	0.00
PR9S211_S210	10YR-24HR	0.00	-4.66	0.01	-1.55	-2.04	-1.64
PR9S212_9GW19	10YR-24HR	3.37	0.00	0.00	0.00	0.00	0.00
PR9S212_S205	10YR-24HR	0.00	-3.02	0.09	-1.32	-2.73	-1.91
PR9S212_WEIR	10YR-24HR	6.01	0.00	0.01	1.35	1.35	1.35
PR9S213_9GW18	10YR-24HR	1.66	0.00	0.01	0.00	0.00	0.00
PRCS8S207_S70	10YR-24HR	5.15	-13.81	13.81	-1.10	-1.10	-1.10
PRCS8S207_WEIR	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
PRCS9S209_S82	10YR-24HR	1.68	-0.03	0.35	0.27	0.31	0.29
PRCS9S209_WEIR1	10YR-24HR	0.07	0.00	0.00	0.00	0.00	0.00
PRCS9S209_WEIR2	10YR-24HR	1.67	0.00	0.00	1.48	1.48	1.48
EX 7S86_7GW9	25YR-72HR	4.56	0.00	0.00	0.00	0.00	0.00
EX 9S15_PND9E5	25YR-72HR	4.89	-1.44	-0.01	2.77	2.77	2.77
EX01_EX03	25YR-72HR	5.84	0.00	0.02	1.19	2.48	1.42
EX03_S97	25YR-72HR	16.90	0.00	0.32	1.15	1.15	1.15
EX04_TPL	25YR-72HR	4.16	0.00	0.03	4.12	1.32	2.72
EX7AS01_7GW1	25YR-72HR	20.21	0.00	0.01	0.00	0.00	0.00
EX7AS01_7GW15	25YR-72HR	2.57	0.00	0.00	0.00	0.00	0.00
EX7AS01_S1B	25YR-72HR	11.70	-12.97	-2.72	-2.65	-2.75	-2.70
EX7AS01_WEIR	25YR-72HR	10.97	0.00	0.00	1.79	1.79	1.79
EX7AS02_S01	25YR-72HR	27.33	0.00	-0.16	8.70	9.13	8.91
EX7AS03_S02	25YR-72HR	11.37	0.00	1.61	5.72	3.62	4.67
EX7AS08_S11	25YR-72HR	9.20	0.00	-0.07	5.29	7.94	6.62
EX7AS11_7GW1	25YR-72HR	19.80	0.00	0.01	0.00	0.00	0.00
EX7AS11_S01	25YR-72HR	0.00	-3.29	0.01	-1.06	-1.11	-1.08
EX7AS11_S12	25YR-72HR	5.38	-9.51	-3.18	-1.96	-2.04	-2.00
EX7AS1A_S11	25YR-72HR	13.44	-0.38	-6.72	4.75	4.28	4.28

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX7S03_S1A	25YR-72HR	7.21	-0.36	-0.03	2.33	2.30	2.30
EX7S03_S8A	25YR-72HR	0.38	-5.44	0.04	-1.73	-1.78	-1.74
EX7S11_7GW3	25YR-72HR	5.24	0.00	0.00	0.00	0.00	0.00
EX7S11_GW2	25YR-72HR	1.83	0.00	0.00	0.00	0.00	0.00
EX7S11_S68	25YR-72HR	0.00	-3.68	0.12	-1.17	-1.18	-1.17
EX7S13_7GW4	25YR-72HR	1.60	0.00	0.00	0.00	0.00	0.00
EX7S13_S11	25YR-72HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7S15_S69	25YR-72HR	44.90	-9.90	-9.90	2.82	2.82	2.82
EX7S16_S15	25YR-72HR	26.46	-5.02	-10.98	1.66	1.66	1.66
EX7S18_S16	25YR-72HR	20.04	-8.56	9.30	1.26	1.26	1.26
EX7S45_7GW8	25YR-72HR	7.00	0.00	0.00	0.00	0.00	0.00
EX7S45_S86	25YR-72HR	8.54	-2.47	0.10	2.72	2.72	2.72
EX7S66_7GW8	25YR-72HR	8.70	0.00	0.00	0.00	0.00	0.00
EX7S66_S45	25YR-72HR	10.01	-1.84	-0.05	3.19	3.19	3.19
EX7S68_7GW3	25YR-72HR	5.26	0.00	0.00	0.00	0.00	0.00
EX7S68_S69	25YR-72HR	0.08	-6.08	-3.11	-1.24	-1.51	-1.38
EX7S74_S206	25YR-72HR	1.04	-7.03	-0.01	-2.24	-2.90	-2.56
EX7S74_S76	25YR-72HR	7.01	-1.00	-0.01	2.86	2.23	2.55
EX7S74_WEIR	25YR-72HR	0.04	0.00	0.00	0.00	0.00	0.00
EX7S77_7GW7	25YR-72HR	12.86	0.00	0.00	0.00	0.00	0.00
EX7S77_S76	25YR-72HR	0.00	-8.64	-0.03	-2.75	-3.42	-2.96
EX7S77_WEIR	25YR-72HR	10.14	0.00	0.00	1.77	1.77	1.77
EX7S78_S77	25YR-72HR	4.00	0.00	0.00	2.79	4.08	3.43
EX7S86_7GW7	25YR-72HR	12.37	0.00	0.00	0.00	0.00	0.00
EX7S86_S77	25YR-72HR	0.04	-5.03	0.00	-1.61	-1.89	-1.72
EX7S8A_7GW2	25YR-72HR	1.86	0.00	0.00	0.00	0.00	0.00
EX7S8A_S11	25YR-72HR	5.10	-0.06	0.03	1.62	1.62	1.62
EX7S90_7GW10	25YR-72HR	2.39	0.00	0.00	0.00	0.00	0.00
EX7S90_7GW9	25YR-72HR	4.54	0.00	0.00	0.00	0.00	0.00
EX7S90_S72A	25YR-72HR	1.04	-4.12	-0.09	-1.41	-1.45	-1.43
EX7S90_S86	25YR-72HR	1.76	-1.41	-0.06	0.64	0.64	0.64
EX7S91_S18	25YR-72HR	0.02	-2.99	1.28	-0.95	-0.95	-0.95
EX7S92_7GW11	25YR-72HR	5.19	0.00	0.00	0.00	0.00	0.00
EX7S92_S91	25YR-72HR	0.00	-2.47	-0.24	-1.40	-1.40	-1.40

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX7S92_S94	25YR-72HR	0.00	-2.70	0.07	-0.86	-0.86	-0.86
EX7S93_S18	25YR-72HR	16.15	-5.67	-5.46	1.30	1.29	1.29
EX7S94_7GW11	25YR-72HR	5.23	0.00	0.00	0.00	0.00	0.00
EX7S94_S93	25YR-72HR	0.00	-4.83	-0.20	-1.54	-1.54	-1.54
EX7S97_S93	25YR-72HR	20.73	-0.01	0.42	1.98	1.66	1.82
EX8S01_8GW1	25YR-72HR	20.95	0.00	-0.01	0.00	0.00	0.00
EX8S01_S15A	25YR-72HR	5.67	-1.34	0.03	1.80	1.80	1.80
EX8S06_8GW3	25YR-72HR	2.25	0.00	0.00	0.00	0.00	0.00
EX8S06_S12	25YR-72HR	0.00	-1.31	-0.02	-0.57	-2.26	-1.39
EX8S101_S70	25YR-72HR	8.70	-0.92	0.35	2.99	2.77	2.87
EX8S12_S201	25YR-72HR	0.06	-6.65	-0.03	-2.12	-2.74	-2.37
EX8S12_S74	25YR-72HR	10.97	-0.06	-0.07	4.46	3.49	3.50
EX8S139D_8GW14	25YR-72HR	0.89	0.00	0.00	0.00	0.00	0.00
EX8S139D_8GW15	25YR-72HR	1.23	-0.02	0.00	0.00	0.00	0.00
EX8S139D_S99	25YR-72HR	4.42	-1.09	0.23	0.55	0.56	0.55
EX8S15A_8GW1	25YR-72HR	15.07	0.00	0.00	0.00	0.00	0.00
EX8S15A_S17	25YR-72HR	1.44	-6.65	0.18	-2.13	-2.24	-2.19
EX8S17_8GW2	25YR-72HR	1.81	0.00	0.00	0.00	0.00	0.00
EX8S17_S21	25YR-72HR	10.95	-6.69	0.91	3.48	3.64	3.52
EX8S21_8GW2	25YR-72HR	1.49	0.00	0.00	0.00	0.00	0.00
EX8S21_S45	25YR-72HR	10.64	-7.55	2.13	2.22	2.17	2.19
EX8S40E1_S99	25YR-72HR	10.80	0.00	0.55	1.20	1.26	1.22
EX8S40W1_8GW11	25YR-72HR	5.10	0.00	0.00	0.00	0.00	0.00
EX8S40W1_W2	25YR-72HR	1.34	-0.14	-0.02	0.43	0.43	0.43
EX8S40W2_8GW11	25YR-72HR	5.09	0.00	0.00	0.00	0.00	0.00
EX8S40W2_W3	25YR-72HR	0.48	-1.31	-0.01	-1.37	-3.12	-2.24
EX8S40W3_W4	25YR-72HR	7.45	0.00	0.00	4.21	4.85	4.21
EX8S40W4_8GW13	25YR-72HR	0.66	0.00	0.00	0.00	0.00	0.00
EX8S40W4_W6	25YR-72HR	6.79	0.00	-0.47	0.75	0.75	0.75
EX8S40W5_8	25YR-72HR	3.32	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
GW12							
EX8S40W5_W7	25YR-72HR	0.00	-2.61	-0.04	-0.83	-0.83	-0.83
EX8S40W6_8GW13	25YR-72HR	0.63	0.00	0.00	0.00	0.00	0.00
EX8S40W6_8GW14	25YR-72HR	1.03	0.00	0.00	0.00	0.00	0.00
EX8S40W6_S139D	25YR-72HR	9.78	0.00	-0.47	1.09	1.10	1.09
EX8S40W7_8GW12	25YR-72HR	3.34	0.00	0.00	0.00	0.00	0.00
EX8S40W7_W6	25YR-72HR	0.00	-2.80	-0.02	-2.40	-2.99	-2.53
EX8S40W8_W7	25YR-72HR	0.71	0.00	0.02	0.40	0.40	0.40
EX8S40W9_S139D	25YR-72HR	3.58	0.00	0.00	2.21	4.25	3.23
EX8S45_S47	25YR-72HR	10.27	-7.44	0.78	1.14	-1.29	1.09
EX8S47_PND8E1	25YR-72HR	9.52	-7.23	0.08	1.97	-4.21	-2.79
EX8S5A_8GW3	25YR-72HR	2.25	0.00	0.00	0.00	0.00	0.00
EX8S5A_S06	25YR-72HR	0.12	-0.27	-0.05	-0.09	-0.09	-0.09
EX8S70_CANAL1	25YR-72HR	27.92	-3.12	-2.37	1.76	1.76	1.76
EX8S72A_7GW10	25YR-72HR	2.19	0.00	0.00	0.00	0.00	0.00
EX8S72A_8GW10	25YR-72HR	2.19	0.00	0.00	0.00	0.00	0.00
EX8S74_8GW10	25YR-72HR	2.61	0.00	0.00	0.00	0.00	0.00
EX8S74_8GW5	25YR-72HR	7.74	0.00	0.00	0.00	0.00	0.00
EX8S74_S72A	25YR-72HR	8.11	-0.77	0.10	2.58	2.58	2.58
EX8S74_S81	25YR-72HR	1.83	-1.65	0.05	-0.59	-0.60	-0.59
EX8S81_8GW5	25YR-72HR	7.66	0.00	0.00	0.00	0.00	0.00
EX8S81_8GW6	25YR-72HR	4.19	0.00	0.00	0.00	0.00	0.00
EX8S81_S203	25YR-72HR	0.00	-9.26	0.05	-2.95	-3.09	-2.95
EX8S81_S83	25YR-72HR	4.38	0.00	0.06	1.39	1.43	1.41
EX8S83_8GW6	25YR-72HR	3.92	0.00	0.00	0.00	0.00	0.00
EX8S83_S85	25YR-72HR	3.99	0.00	-0.05	1.29	1.33	1.31
EX8S85B_8GW8	25YR-72HR	5.63	0.00	0.00	0.00	0.00	0.00
EX8S85B_S88	25YR-72HR	0.00	-2.78	0.06	-0.88	-0.88	-0.88

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX8S85_8GW7	25YR-72HR	5.74	0.00	0.00	0.00	0.00	0.00
EX8S85_S85B	25YR-72HR	3.77	0.00	0.04	1.22	1.20	1.21
EX8S85_S87	25YR-72HR	0.02	-2.70	0.05	-0.86	-0.86	-0.86
EX8S87_8GW7	25YR-72HR	5.91	0.00	0.00	0.00	0.00	0.00
EX8S87_S88	25YR-72HR	3.84	-1.34	-0.07	1.22	1.22	1.22
EX8S87_WEIR	25YR-72HR	11.65	0.00	0.00	1.83	1.83	1.83
EX8S88_8GW8	25YR-72HR	5.79	0.00	0.00	0.00	0.00	0.00
EX8S88_S98	25YR-72HR	0.00	-7.04	0.04	-2.88	-2.24	-2.51
EX8S98_PND8E2	25YR-72HR	0.00	-6.98	-0.01	-2.79	-2.84	-2.81
EX8S99_8GW15	25YR-72HR	1.19	0.00	0.00	0.00	0.00	0.00
EX8S99_8GW16	25YR-72HR	1.35	0.00	0.00	0.00	0.00	0.00
EX8S99_S101	25YR-72HR	8.73	-0.77	0.01	4.94	5.12	5.01
EX9S101_S96	25YR-72HR	3.03	0.00	0.03	3.75	2.50	2.36
EX9S104_9GW6	25YR-72HR	13.59	0.00	0.00	0.00	0.00	0.00
EX9S107_9GW7	25YR-72HR	29.21	0.00	0.01	0.00	0.00	0.00
EX9S110_9GW6	25YR-72HR	14.42	0.00	0.00	0.00	0.00	0.00
EX9S40E1_8GW16	25YR-72HR	1.80	0.00	0.00	0.00	0.00	0.00
EX9S49_9GW15	25YR-72HR	4.90	0.00	0.00	0.00	0.00	0.00
EX9S49_S129	25YR-72HR	2.59	-3.69	-2.56	-0.75	-0.75	-0.75
EX9S55_9GW15	25YR-72HR	4.69	0.00	0.00	0.00	0.00	0.00
EX9S55_S49	25YR-72HR	1.75	-6.63	-0.42	-2.11	-2.20	-2.13
EX9S57_9GW1	25YR-72HR	3.31	0.00	0.00	0.00	0.00	0.00
EX9S57_S55	25YR-72HR	4.89	-4.14	1.10	1.56	-1.57	1.56
EX9S58_9GW1	25YR-72HR	3.37	0.00	0.00	0.00	0.00	0.00
EX9S58_S57	25YR-72HR	7.17	-2.86	-0.11	2.28	2.28	2.28
EX9S63_9GW2	25YR-72HR	3.08	0.00	0.00	0.00	0.00	0.00
EX9S69_9GW3	25YR-72HR	5.73	0.00	0.01	0.00	0.00	0.00
EX9S79_9GW4	25YR-72HR	17.26	0.00	0.01	0.00	0.00	0.00
EX9S82_CAN	25YR-72HR	27.92	-0.01	-0.10	5.69	5.69	5.69

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
AL2							
EX9S85_9GW5	25YR-72HR	8.71	0.00	-0.02	0.00	0.00	0.00
EX9S87A_9GW11	25YR-72HR	3.31	0.00	0.00	0.00	0.00	0.00
EX9S87A_S139C	25YR-72HR	0.01	-7.68	1.34	-1.16	-1.16	-1.16
EX9S87A_S201	25YR-72HR	8.45	-0.02	0.10	2.69	2.69	2.69
EX9S90A_9GW13	25YR-72HR	2.76	0.00	0.00	0.00	0.00	0.00
EX9S90A_S90	25YR-72HR	2.80	-0.02	0.07	0.89	0.89	0.89
EX9S90_9GW14	25YR-72HR	7.53	0.00	0.00	0.00	0.00	0.00
EX9S90_WEIR	25YR-72HR	4.15	0.00	0.00	1.31	1.31	1.31
EX9S91A_9GW12	25YR-72HR	5.59	0.00	0.00	0.00	0.00	0.00
EX9S91A_9W11	25YR-72HR	3.05	0.00	0.00	0.00	0.00	0.00
EX9S94_9GW12	25YR-72HR	5.48	0.00	0.00	0.00	0.00	0.00
EX9S94_S201	25YR-72HR	0.00	-2.51	-0.04	-0.80	-0.80	-0.80
EX9S96_9GW14	25YR-72HR	7.55	0.00	0.00	0.00	0.00	0.00
EX9S96_S90	25YR-72HR	0.95	-0.42	-0.03	0.30	0.30	0.30
EXCS7AS12_TPL	25YR-72HR	5.38	-3.65	0.17	1.10	1.10	1.10
EXCS7AS12_WEIR	25YR-72HR	5.38	-3.64	-0.03	2.50	2.50	2.50
EXCS7AS1B_PL	25YR-72HR	11.69	-7.77	-0.74	2.38	2.38	2.38
EXCS7AS1B_WEIR	25YR-72HR	11.69	-7.77	0.34	-2.17	-2.17	-2.17
EXCS7S69_TPL	25YR-72HR	29.98	-8.84	3.01	1.89	1.89	1.89
EXCS7S69_WEIR	25YR-72HR	30.02	-8.80	-0.27	3.40	3.40	3.40
EXCS7S76_TPL	25YR-72HR	5.26	-6.70	-0.11	-2.13	-2.13	-2.13
EXCS7S76_WEIR	25YR-72HR	5.26	-6.70	-0.02	-2.06	-2.06	-2.06
EXCS9S129_8S99	25YR-72HR	1.83	-3.84	0.22	-1.22	-1.22	-1.22
EXCS9S129_WEIR	25YR-72HR	1.80	-3.69	0.31	-1.86	-1.86	-1.86
EXCS9S139C_	25YR-72HR	0.01	-7.56	0.09	-1.10	-1.11	-1.10

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S139D							
EXCS9S139C_WEIR	25YR-72HR	0.00	-7.62	-0.07	-2.08	-2.08	-2.08
EXCS9S80A_S82	25YR-72HR	12.02	-1.40	-0.37	3.83	3.83	3.83
EXCS9S80A_WEIR	25YR-72HR	12.22	-1.49	0.04	1.09	1.09	1.09
EXCS9S80_S82	25YR-72HR	6.41	-3.62	0.92	2.04	2.04	2.04
EXCS9S80_WEIR	25YR-72HR	6.32	-3.41	0.50	0.80	0.80	0.80
PND8E2_PND8E1	25YR-72HR	5.86	-0.15	0.00	2.27	3.47	2.80
PND9E2_S58	25YR-72HR	12.35	-1.27	-4.83	5.51	4.42	4.97
PND9E2_S63	25YR-72HR	7.23	0.00	-7.10	2.99	4.17	3.55
PND9E2_S69	25YR-72HR	11.51	0.00	-11.02	4.73	6.08	5.17
PND9E4_PND9E2	25YR-72HR	15.78	0.00	0.02	5.02	5.80	5.11
PND9E5_S79	25YR-72HR	17.62	0.00	-5.44	6.91	9.50	8.20
PND9E6_S213	25YR-72HR	17.23	0.00	8.27	6.07	17.07	10.30
PR7S201_S15	25YR-72HR	19.63	-3.86	-2.88	2.78	2.78	2.78
PR7S202_7GW12	25YR-72HR	6.37	0.00	0.00	0.00	0.00	0.00
PR7S202_S201	25YR-72HR	9.20	-3.23	0.52	1.87	1.87	1.87
PR7S203_7GW12	25YR-72HR	6.53	0.00	0.00	0.00	0.00	0.00
PR7S203_7GW13	25YR-72HR	5.44	0.00	0.00	0.00	0.00	0.00
PR7S203_S202	25YR-72HR	5.00	-2.21	-0.05	1.59	1.59	1.59
PR7S204_7GW13	25YR-72HR	6.40	0.00	0.00	0.00	0.00	0.00
PR7S204_S203	25YR-72HR	11.10	-0.61	0.07	3.53	3.53	3.53
PR7S205_S204	25YR-72HR	5.13	-4.45	-0.10	1.63	1.63	1.63
PR7S205_S66	25YR-72HR	17.68	0.00	-0.35	5.74	6.14	5.93
PR7S206_7GW14	25YR-72HR	5.52	0.00	0.00	0.00	0.00	0.00
PR7S206_S69	25YR-72HR	0.04	-11.60	-1.83	-3.69	-3.69	-3.69
PR7S207_7GW14	25YR-72HR	5.31	0.00	0.00	0.00	0.00	0.00
PR7S207_S206	25YR-72HR	0.00	-5.32	0.08	-1.69	-1.69	-1.69
PR8S201_S20	25YR-72HR	5.89	-1.47	0.05	1.92	1.87	1.87

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
2							
PR8S202_S17	25YR-72HR	11.10	-1.00	0.10	3.53	3.53	3.53
PR8S202_S203	25YR-72HR	0.39	-5.42	0.05	-1.11	-1.40	-1.24
PR8S203_S204	25YR-72HR	0.03	-6.51	-0.17	-1.39	-1.46	-1.43
PR8S204_S205	25YR-72HR	0.04	-4.99	-0.13	-1.02	-1.09	-1.06
PR8S205_PND8E1	25YR-72HR	9.02	-2.68	-0.02	3.28	5.25	4.26
PR8S206_PND8E1	25YR-72HR	8.39	0.00	-0.03	2.71	5.16	3.93
PR9S201_S90A	25YR-72HR	5.58	0.00	-0.09	1.78	1.78	1.78
PR9S202_S203	25YR-72HR	10.28	-1.20	0.01	3.27	3.27	3.27
PR9S202_S204	25YR-72HR	2.17	-5.49	-0.02	-1.75	-1.75	-1.75
PR9S203_PND9E4	25YR-72HR	7.14	-1.51	-0.02	1.46	1.46	1.46
PR9S203_S15	25YR-72HR	5.00	-1.50	0.07	1.59	1.59	1.59
PR9S204_S212	25YR-72HR	0.95	-5.38	0.03	-1.71	-1.71	-1.71
PR9S205_S206	25YR-72HR	17.75	-2.21	0.09	5.65	5.65	5.65
PR9S206_PND9E5	25YR-72HR	4.18	0.00	0.03	4.12	1.33	2.73
PR9S206_S207	25YR-72HR	14.02	-2.16	0.08	4.46	4.46	4.46
PR9S207_9GW16	25YR-72HR	5.29	0.00	0.00	0.00	0.00	0.00
PR9S207_S208	25YR-72HR	9.19	-4.76	0.10	2.93	2.93	2.93
PR9S208_9GW16	25YR-72HR	5.09	0.00	0.00	0.00	0.00	0.00
PR9S208_S209	25YR-72HR	4.99	-8.00	-1.50	-2.54	-2.54	-2.54
PR9S210_9GW17	25YR-72HR	15.59	0.00	0.00	0.00	0.00	0.00
PR9S210_S209	25YR-72HR	24.93	0.00	-0.20	7.94	7.94	7.94
PR9S210_WEIR	25YR-72HR	49.57	0.00	-0.01	3.94	3.94	3.94
PR9S211_9GW17	25YR-72HR	11.08	0.00	0.00	0.00	0.00	0.00
PR9S211_S210	25YR-72HR	0.00	-11.10	0.01	-3.53	-3.53	-3.53

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR9S212_9GW19	25YR-72HR	18.79	0.00	0.00	0.00	0.00	0.00
PR9S212_S205	25YR-72HR	0.00	-20.81	0.07	-6.62	-6.62	-6.62
PR9S212_WEIR	25YR-72HR	42.13	0.00	0.01	3.35	3.35	3.35
PR9S213_9GW18	25YR-72HR	8.51	0.00	-0.02	0.00	0.00	0.00
PRCS8S207_S70	25YR-72HR	21.92	-3.31	6.74	1.74	1.74	1.74
PRCS8S207_WEIR	25YR-72HR	21.91	0.00	0.03	1.79	1.79	1.79
PRCS9S209_S82	25YR-72HR	17.71	-0.01	-0.24	2.82	2.82	2.82
PRCS9S209_WEIR1	25YR-72HR	4.86	-7.93	-0.37	-1.91	-1.91	-1.91
PRCS9S209_WEIR2	25YR-72HR	24.97	0.00	0.05	3.60	3.60	3.60

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW1	100YR-1HR	123580	0	123580
7GW1	100YR-24HR	406302	0	406302
7GW1	10YR-1HR	78716	0	78716
7GW1	10YR-24HR	248600	0	248600
7GW1	25YR-72HR	1224229	0	1224229

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW10	100YR-1HR	7885	0	7885
7GW10	100YR-24HR	34412	0	34412
7GW10	10YR-1HR	3970	0	3970
7GW10	10YR-24HR	21544	0	21544
7GW10	25YR-72HR	47998	0	47998

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW11	100YR-1HR	40443	0	40443
7GW11	100YR-24HR	144457	0	144457
7GW11	10YR-1HR	29646	0	29646
7GW11	10YR-24HR	90900	0	90900
7GW11	25YR-72HR	281711	0	281711

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW12	100YR-1HR	51290	0	51290
7GW12	100YR-24HR	173662	0	173662
7GW12	10YR-1HR	37513	0	37513
7GW12	10YR-24HR	109821	0	109821
7GW12	25YR-72HR	305002	0	305002

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW13	100YR-1HR	54707	0	54707

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW13	100YR-24HR	179078	0	179078
7GW13	10YR-1HR	40972	0	40972
7GW13	10YR-24HR	115249	0	115249
7GW13	25YR-72HR	278035	0	278035

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW14	100YR-1HR	35925	0	35925
7GW14	100YR-24HR	135226	0	135226
7GW14	10YR-1HR	24463	0	24463
7GW14	10YR-24HR	84085	0	84085
7GW14	25YR-72HR	285334	0	285334

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW15	100YR-1HR	8767	0	8767
7GW15	100YR-24HR	27948	0	27948
7GW15	10YR-1HR	5688	0	5688
7GW15	10YR-24HR	16928	0	16928
7GW15	25YR-72HR	84470	0	84470

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW2	100YR-1HR	14807	0	14807
7GW2	100YR-24HR	53172	0	53172
7GW2	10YR-1HR	11018	0	11018
7GW2	10YR-24HR	33676	0	33676
7GW2	25YR-72HR	99668	0	99668

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW3	100YR-1HR	40680	0	40680
7GW3	100YR-24HR	144335	0	144335
7GW3	10YR-1HR	29665	0	29665

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW3	10YR-24HR	90375	0	90375
7GW3	25YR-72HR	281341	0	281341

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW4	100YR-1HR	4584	0	4584
7GW4	100YR-24HR	12442	0	12442
7GW4	10YR-1HR	3126	0	3126
7GW4	10YR-24HR	8145	0	8145
7GW4	25YR-72HR	12913	0	12913

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW7	100YR-1HR	49270	0	49270
7GW7	100YR-24HR	172754	0	172754
7GW7	10YR-1HR	24338	0	24338
7GW7	10YR-24HR	104592	0	104592
7GW7	25YR-72HR	495344	0	495344

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW8	100YR-1HR	29101	0	29101
7GW8	100YR-24HR	81957	0	81957
7GW8	10YR-1HR	14500	0	14500
7GW8	10YR-24HR	52189	0	52189
7GW8	25YR-72HR	139966	0	139966

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
7GW9	100YR-1HR	14327	0	14327
7GW9	100YR-24HR	61511	0	61511
7GW9	10YR-1HR	6429	0	6429
7GW9	10YR-24HR	38845	0	38845
7GW9	25YR-72HR	97917	0	97917

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW1	100YR-1HR	142489	0	142489
8GW1	100YR-24HR	477086	0	477086
8GW1	10YR-1HR	96104	0	96104
8GW1	10YR-24HR	296624	0	296624
8GW1	25YR-72HR	466485	0	466485

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW10	100YR-1HR	10953	0	10953
8GW10	100YR-24HR	41404	0	41404
8GW10	10YR-1HR	6711	0	6711
8GW10	10YR-24HR	25201	0	25201
8GW10	25YR-72HR	49502	0	49502

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW11	100YR-1HR	30332	0	30332
8GW11	100YR-24HR	104569	0	104569
8GW11	10YR-1HR	23689	0	23689
8GW11	10YR-24HR	66232	0	66232
8GW11	25YR-72HR	97703	0	97703

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW12	100YR-1HR	15226	0	15226
8GW12	100YR-24HR	31583	0	31583
8GW12	10YR-1HR	8266	0	8266
8GW12	10YR-24HR	20675	0	20675
8GW12	25YR-72HR	38970	0	38970

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW13	100YR-1HR	6615	0	6615

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW13	100YR-24HR	17703	0	17703
8GW13	10YR-1HR	5270	0	5270
8GW13	10YR-24HR	12297	0	12297
8GW13	25YR-72HR	22591	0	22591

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW14	100YR-1HR	10157	0	10157
8GW14	100YR-24HR	28192	0	28192
8GW14	10YR-1HR	8205	0	8205
8GW14	10YR-24HR	19481	0	19481
8GW14	25YR-72HR	34739	0	34739

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW15	100YR-1HR	13200	0	13200
8GW15	100YR-24HR	37866	563	37304
8GW15	10YR-1HR	10782	0	10782
8GW15	10YR-24HR	26067	799	25268
8GW15	25YR-72HR	45463	343	45120

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW16	100YR-1HR	16781	0	16781
8GW16	100YR-24HR	45690	0	45690
8GW16	10YR-1HR	13575	0	13575
8GW16	10YR-24HR	31650	0	31650
8GW16	25YR-72HR	56646	0	56646

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW2	100YR-1HR	44643	0	44643
8GW2	100YR-24HR	87185	0	87185
8GW2	10YR-1HR	33902	0	33902

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW2	10YR-24HR	56840	0	56840
8GW2	25YR-72HR	98608	0	98608

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW3	100YR-1HR	12789	0	12789
8GW3	100YR-24HR	35882	0	35882
8GW3	10YR-1HR	9624	0	9624
8GW3	10YR-24HR	21475	0	21475
8GW3	25YR-72HR	39391	0	39391

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW5	100YR-1HR	63978	0	63978
8GW5	100YR-24HR	179998	0	179998
8GW5	10YR-1HR	41835	0	41835
8GW5	10YR-24HR	109840	0	109840
8GW5	25YR-72HR	198186	0	198186

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW6	100YR-1HR	26056	0	26056
8GW6	100YR-24HR	85247	0	85247
8GW6	10YR-1HR	16560	0	16560
8GW6	10YR-24HR	52434	0	52434
8GW6	25YR-72HR	94717	0	94717

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW7	100YR-1HR	30064	0	30064
8GW7	100YR-24HR	118794	0	118794
8GW7	10YR-1HR	17317	0	17317
8GW7	10YR-24HR	71274	0	71274
8GW7	25YR-72HR	128800	0	128800

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
8GW8	100YR-1HR	29116	0	29116
8GW8	100YR-24HR	118410	0	118410
8GW8	10YR-1HR	15776	0	15776
8GW8	10YR-24HR	71141	0	71141
8GW8	25YR-72HR	127684	0	127684

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW1	100YR-1HR	16432	0	16432
9GW1	100YR-24HR	37300	0	37300
9GW1	10YR-1HR	8041	0	8041
9GW1	10YR-24HR	22220	0	22220
9GW1	25YR-72HR	45743	0	45743

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW11	100YR-1HR	13395	0	13395
9GW11	100YR-24HR	35325	0	35325
9GW11	10YR-1HR	7595	0	7595
9GW11	10YR-24HR	21064	0	21064
9GW11	25YR-72HR	41809	0	41809

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW12	100YR-1HR	23877	0	23877
9GW12	100YR-24HR	65173	0	65173
9GW12	10YR-1HR	14087	0	14087
9GW12	10YR-24HR	39012	0	39012
9GW12	25YR-72HR	74963	0	74963

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW13	100YR-1HR	5757	0	5757

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW13	100YR-24HR	16241	0	16241
9GW13	10YR-1HR	3266	0	3266
9GW13	10YR-24HR	9670	0	9670
9GW13	25YR-72HR	18477	0	18477

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW14	100YR-1HR	31875	0	31875
9GW14	100YR-24HR	90537	0	90537
9GW14	10YR-1HR	18560	0	18560
9GW14	10YR-24HR	54182	0	54182
9GW14	25YR-72HR	102219	0	102219

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW15	100YR-1HR	24199	0	24199
9GW15	100YR-24HR	56895	0	56895
9GW15	10YR-1HR	12819	0	12819
9GW15	10YR-24HR	33878	0	33878
9GW15	25YR-72HR	70050	0	70050

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW16	100YR-1HR	34336	0	34336
9GW16	100YR-24HR	113956	0	113956
9GW16	10YR-1HR	21085	0	21085
9GW16	10YR-24HR	71157	0	71157
9GW16	25YR-72HR	123219	0	123219

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW17	100YR-1HR	164628	0	164628
9GW17	100YR-24HR	598149	0	598149
9GW17	10YR-1HR	110815	0	110815

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW17	10YR-24HR	407130	0	407130
9GW17	25YR-72HR	603657	0	603657

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW18	100YR-1HR	23821	0	23821
9GW18	100YR-24HR	87141	0	87141
9GW18	10YR-1HR	11126	0	11126
9GW18	10YR-24HR	68863	0	68863
9GW18	25YR-72HR	111846	0	111846

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW19	100YR-1HR	55021	0	55021
9GW19	100YR-24HR	174811	0	174811
9GW19	10YR-1HR	35395	0	35395
9GW19	10YR-24HR	109405	0	109405
9GW19	25YR-72HR	180224	0	180224

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW2	100YR-1HR	9802	0	9802
9GW2	100YR-24HR	22692	0	22692
9GW2	10YR-1HR	6168	0	6168
9GW2	10YR-24HR	14075	0	14075
9GW2	25YR-72HR	23919	0	23919

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW3	100YR-1HR	14217	0	14217
9GW3	100YR-24HR	29283	0	29283
9GW3	10YR-1HR	5920	0	5920
9GW3	10YR-24HR	17863	0	17863
9GW3	25YR-72HR	37317	0	37317

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW4	100YR-1HR	41539	0	41539
9GW4	100YR-24HR	157312	0	157312
9GW4	10YR-1HR	24289	0	24289
9GW4	10YR-24HR	121716	0	121716
9GW4	25YR-72HR	216217	0	216217

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW5	100YR-1HR	24404	0	24404
9GW5	100YR-24HR	89272	0	89272
9GW5	10YR-1HR	11398	0	11398
9GW5	10YR-24HR	70547	0	70547
9GW5	25YR-72HR	114582	0	114582

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW6	100YR-1HR	88398	0	88398
9GW6	100YR-24HR	283414	0	283414
9GW6	10YR-1HR	59359	0	59359
9GW6	10YR-24HR	180391	0	180391
9GW6	25YR-72HR	289426	0	289426

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
9GW7	100YR-1HR	85535	0	85535
9GW7	100YR-24HR	271757	0	271757
9GW7	10YR-1HR	55024	0	55024
9GW7	10YR-24HR	170078	0	170078
9GW7	25YR-72HR	280172	0	280172

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CANAL 1	100YR-1HR	29050	21	29028

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CANAL 1	100YR-24HR	84131	336	83796
CANAL 1	10YR-1HR	5603	17	5586
CANAL 1	10YR-24HR	47591	387	47204
CANAL 1	25YR-72HR	141175	21437	119738

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CANAL 2	100YR-1HR	118054	7	118047
CANAL 2	100YR-24HR	258948	926	258022
CANAL 2	10YR-1HR	76286	6	76280
CANAL 2	10YR-24HR	68440	1562	66878
CANAL 2	25YR-72HR	186485	2404	184081

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX01	100YR-1HR	8067	8039	28
EX01	100YR-24HR	36308	35941	367
EX01	10YR-1HR	3899	3833	66
EX01	10YR-24HR	19873	19540	332
EX01	25YR-72HR	38394	38092	302

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX03	100YR-1HR	30051	30125	-74
EX03	100YR-24HR	108811	108769	41
EX03	10YR-1HR	17686	17749	-63
EX03	10YR-24HR	63680	63651	29
EX03	25YR-72HR	114575	114317	258

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX04	100YR-1HR	3476	3554	-78
EX04	100YR-24HR	23513	23573	-60
EX04	10YR-1HR	1224	1303	-78

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX04	10YR-24HR	11474	11542	-67
EX04	25YR-72HR	25094	25157	-63

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7AS01	100YR-1HR	87023	87019	4
EX7AS01	100YR-24HR	291005	290986	20
EX7AS01	10YR-1HR	53830	53823	7
EX7AS01	10YR-24HR	176272	176252	20
EX7AS01	25YR-72HR	909637	909163	474

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7AS02	100YR-1HR	65691	65633	58
EX7AS02	100YR-24HR	198738	198681	57
EX7AS02	10YR-1HR	43129	43071	58
EX7AS02	10YR-24HR	124405	124347	57
EX7AS02	25YR-72HR	208013	207956	58

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7AS03	100YR-1HR	20210	20200	10
EX7AS03	100YR-24HR	75287	75274	13
EX7AS03	10YR-1HR	12118	12106	12
EX7AS03	10YR-24HR	43596	43583	13
EX7AS03	25YR-72HR	79327	79312	15

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7AS08	100YR-1HR	20896	20896	0
EX7AS08	100YR-24HR	65643	65643	0
EX7AS08	10YR-1HR	13523	13523	0
EX7AS08	10YR-24HR	40485	40485	0
EX7AS08	25YR-72HR	68797	68797	0

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7AS11	100YR-1HR	55791	55797	-7
EX7AS11	100YR-24HR	187111	186945	166
EX7AS11	10YR-1HR	34050	34052	-1
EX7AS11	10YR-24HR	115724	115576	148
EX7AS11	25YR-72HR	569334	568702	632

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S03	100YR-1HR	11649	11550	99
EX7S03	100YR-24HR	34644	34560	84
EX7S03	10YR-1HR	5691	5593	98
EX7S03	10YR-24HR	20070	19985	84
EX7S03	25YR-72HR	38629	38546	83

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S11	100YR-1HR	26762	26763	0
EX7S11	100YR-24HR	95422	95418	3
EX7S11	10YR-1HR	19411	19411	0
EX7S11	10YR-24HR	59679	59679	0
EX7S11	25YR-72HR	181814	181653	161

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S13	100YR-1HR	4584	4584	0
EX7S13	100YR-24HR	12442	12442	0
EX7S13	10YR-1HR	3126	3126	0
EX7S13	10YR-24HR	8145	8145	0
EX7S13	25YR-72HR	12970	12913	57

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S15	100YR-1HR	73722	73757	-35

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S15	100YR-24HR	221310	219819	1491
EX7S15	10YR-1HR	43711	43693	18
EX7S15	10YR-24HR	135757	134867	891
EX7S15	25YR-72HR	401292	397946	3346

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S16	100YR-1HR	36976	36987	-11
EX7S16	100YR-24HR	106214	106335	-122
EX7S16	10YR-1HR	19563	19681	-118
EX7S16	10YR-24HR	59431	59554	-123
EX7S16	25YR-72HR	183518	184006	-488

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S18	100YR-1HR	32521	32530	-9
EX7S18	100YR-24HR	98675	99096	-420
EX7S18	10YR-1HR	18207	18126	81
EX7S18	10YR-24HR	53724	53170	555
EX7S18	25YR-72HR	196126	196429	-304

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S1A	100YR-1HR	28908	28919	-12
EX7S1A	100YR-24HR	80068	80068	0
EX7S1A	10YR-1HR	17175	17189	-15
EX7S1A	10YR-24HR	49557	49557	1
EX7S1A	25YR-72HR	82099	82095	4

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S45	100YR-1HR	23753	23756	-3
EX7S45	100YR-24HR	75124	75127	-2
EX7S45	10YR-1HR	11841	11843	-1

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S45	10YR-24HR	47926	47927	-2
EX7S45	25YR-72HR	128763	128530	233

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S66	100YR-1HR	23046	23024	22
EX7S66	100YR-24HR	37483	37481	2
EX7S66	10YR-1HR	7360	7347	13
EX7S66	10YR-24HR	24038	24036	1
EX7S66	25YR-72HR	79682	79408	274

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S68	100YR-1HR	28092	28089	3
EX7S68	100YR-24HR	121549	121317	232
EX7S68	10YR-1HR	20003	19999	4
EX7S68	10YR-24HR	72208	72017	191
EX7S68	25YR-72HR	289051	288953	98

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S74	100YR-1HR	6147	6135	11
EX7S74	100YR-24HR	26749	26750	0
EX7S74	10YR-1HR	1787	1775	12
EX7S74	10YR-24HR	14844	14843	1
EX7S74	25YR-72HR	65062	65070	-8

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S77	100YR-1HR	32667	32626	42
EX7S77	100YR-24HR	130083	130082	0
EX7S77	10YR-1HR	16003	15978	25
EX7S77	10YR-24HR	75733	75731	3
EX7S77	25YR-72HR	611079	610644	435

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S78	100YR-1HR	8777	8777	0
EX7S78	100YR-24HR	28256	28256	0
EX7S78	10YR-1HR	5343	5343	0
EX7S78	10YR-24HR	17507	17507	0
EX7S78	25YR-72HR	29582	29582	0

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S86	100YR-1HR	27298	27363	-65
EX7S86	100YR-24HR	142877	142878	-1
EX7S86	10YR-1HR	12546	12579	-34
EX7S86	10YR-24HR	90384	90387	-3
EX7S86	25YR-72HR	322059	321539	521

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S8A	100YR-1HR	33977	34019	-42
EX7S8A	100YR-24HR	96994	96984	11
EX7S8A	10YR-1HR	22898	22938	-41
EX7S8A	10YR-24HR	63057	63044	13
EX7S8A	25YR-72HR	109811	109653	158

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S90	100YR-1HR	11567	11563	4
EX7S90	100YR-24HR	106200	106199	1
EX7S90	10YR-1HR	4870	4866	4
EX7S90	10YR-24HR	70260	70260	1
EX7S90	25YR-72HR	114924	114730	195

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S91	100YR-1HR	12038	12037	1

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S91	100YR-24HR	43498	43448	50
EX7S91	10YR-1HR	9371	9373	-2
EX7S91	10YR-24HR	26866	26939	-73
EX7S91	25YR-72HR	104515	104583	-68

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S92	100YR-1HR	19885	19879	6
EX7S92	100YR-24HR	71157	71151	6
EX7S92	10YR-1HR	14539	14533	5
EX7S92	10YR-24HR	44628	44626	1
EX7S92	25YR-72HR	139298	139125	173

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S93	100YR-1HR	37698	37695	2
EX7S93	100YR-24HR	131968	132431	-463
EX7S93	10YR-1HR	22470	22534	-64
EX7S93	10YR-24HR	75805	76121	-316
EX7S93	25YR-72HR	190147	189477	670

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S94	100YR-1HR	28263	28267	-4
EX7S94	100YR-24HR	100008	100005	3
EX7S94	10YR-1HR	20232	20235	-4
EX7S94	10YR-24HR	63472	63471	1
EX7S94	25YR-72HR	176373	176222	151

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S97	100YR-1HR	34096	34074	21
EX7S97	100YR-24HR	131805	131796	9
EX7S97	10YR-1HR	19408	19389	19

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7S97	10YR-24HR	75664	75658	6
EX7S97	25YR-72HR	138775	138441	334

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S01	100YR-1HR	64903	64955	-52
EX8S01	100YR-24HR	228882	228878	4
EX8S01	10YR-1HR	40190	40246	-56
EX8S01	10YR-24HR	142464	142462	2
EX8S01	25YR-72HR	242292	241745	548

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S06	100YR-1HR	7065	7057	8
EX8S06	100YR-24HR	21025	21018	7
EX8S06	10YR-1HR	5684	5676	7
EX8S06	10YR-24HR	12051	12048	3
EX8S06	25YR-72HR	24423	24353	70

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S101	100YR-1HR	10539	10538	2
EX8S101	100YR-24HR	71209	71205	4
EX8S101	10YR-1HR	5587	5586	1
EX8S101	10YR-24HR	47315	47313	1
EX8S101	25YR-72HR	70348	70332	16

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S12	100YR-1HR	38791	38749	41
EX8S12	100YR-24HR	122859	122837	22
EX8S12	10YR-1HR	22198	22177	21
EX8S12	10YR-24HR	72183	72173	10
EX8S12	25YR-72HR	102708	102692	16

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S139D	100YR-1HR	29748	29751	-3
EX8S139D	100YR-24HR	79858	79858	-1
EX8S139D	10YR-1HR	16890	16893	-3
EX8S139D	10YR-24HR	50973	50974	-1
EX8S139D	25YR-72HR	89797	88955	842

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S15A	100YR-1HR	89406	89395	11
EX8S15A	100YR-24HR	285918	285921	-2
EX8S15A	10YR-1HR	61341	61311	30
EX8S15A	10YR-24HR	177793	177794	-1
EX8S15A	25YR-72HR	280865	280436	430

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S17	100YR-1HR	105003	105005	-2
EX8S17	100YR-24HR	297991	297985	6
EX8S17	10YR-1HR	74496	74498	-2
EX8S17	10YR-24HR	190138	190133	5
EX8S17	25YR-72HR	289459	289350	109

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S21	100YR-1HR	109451	109434	17
EX8S21	100YR-24HR	281900	281890	10
EX8S21	10YR-1HR	73661	73641	20
EX8S21	10YR-24HR	177214	177202	12
EX8S21	25YR-72HR	274802	274731	71

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S40E1	100YR-1HR	35971	35969	2

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S40E1	100YR-24HR	97633	97633	0
EX8S40E1	10YR-1HR	24530	24530	0
EX8S40E1	10YR-24HR	63916	63916	0
EX8S40E1	25YR-72HR	101770	101166	604

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S40W1	100YR-1HR	16363	16363	0
EX8S40W1	100YR-24HR	52128	52127	0
EX8S40W1	10YR-1HR	11820	11820	0
EX8S40W1	10YR-24HR	32982	32982	0
EX8S40W1	25YR-72HR	50998	50909	88

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S40W2	100YR-1HR	17079	17078	1
EX8S40W2	100YR-24HR	58079	58078	0
EX8S40W2	10YR-1HR	13946	13945	1
EX8S40W2	10YR-24HR	37204	37205	0
EX8S40W2	25YR-72HR	51855	51763	92

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S40W3	100YR-1HR	21982	21756	225
EX8S40W3	100YR-24HR	57904	57840	64
EX8S40W3	10YR-1HR	14550	14375	174
EX8S40W3	10YR-24HR	37905	37886	19
EX8S40W3	25YR-72HR	60622	60536	85

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S40W4	100YR-1HR	17386	17514	-128
EX8S40W4	100YR-24HR	30874	30869	5
EX8S40W4	10YR-1HR	8274	8285	-11

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S40W4	10YR-24HR	21055	21055	0
EX8S40W4	25YR-72HR	43482	43311	170

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S40W5	100YR-1HR	7442	7442	1
EX8S40W5	100YR-24HR	15325	15324	1
EX8S40W5	10YR-1HR	3961	3960	1
EX8S40W5	10YR-24HR	10002	10002	0
EX8S40W5	25YR-72HR	18841	18753	87

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S40W6	100YR-1HR	34811	34804	8
EX8S40W6	100YR-24HR	78062	78062	0
EX8S40W6	10YR-1HR	19708	19708	0
EX8S40W6	10YR-24HR	51615	51615	0
EX8S40W6	25YR-72HR	90269	89718	551

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S40W7	100YR-1HR	13111	13110	0
EX8S40W7	100YR-24HR	25841	25841	0
EX8S40W7	10YR-1HR	6823	6824	-1
EX8S40W7	10YR-24HR	16916	16916	0
EX8S40W7	25YR-72HR	33188	33071	116

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S40W8	100YR-1HR	1940	1940	0
EX8S40W8	100YR-24HR	5264	5264	0
EX8S40W8	10YR-1HR	1323	1323	0
EX8S40W8	10YR-24HR	3446	3446	0
EX8S40W8	25YR-72HR	5487	5447	40

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S40W9	100YR-1HR	6808	6787	21
EX8S40W9	100YR-24HR	24210	24189	21
EX8S40W9	10YR-1HR	4050	4029	21
EX8S40W9	10YR-24HR	14382	14361	21
EX8S40W9	25YR-72HR	25443	25422	21

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S45	100YR-1HR	103868	103884	-16
EX8S45	100YR-24HR	273587	273594	-7
EX8S45	10YR-1HR	69353	69367	-15
EX8S45	10YR-24HR	171651	171661	-10
EX8S45	25YR-72HR	265141	264808	333

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S47	100YR-1HR	101412	101368	44
EX8S47	100YR-24HR	273552	273518	34
EX8S47	10YR-1HR	67744	67707	37
EX8S47	10YR-24HR	171631	171596	34
EX8S47	25YR-72HR	263654	262911	743

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S5A	100YR-1HR	6483	6483	0
EX8S5A	100YR-24HR	18885	18885	0
EX8S5A	10YR-1HR	4841	4841	0
EX8S5A	10YR-24HR	11674	11674	0
EX8S5A	25YR-72HR	21264	21202	62

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S70	100YR-1HR	29163	29078	85

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S70	100YR-24HR	84352	84309	43
EX8S70	10YR-1HR	5629	5629	0
EX8S70	10YR-24HR	47841	47800	40
EX8S70	25YR-72HR	162435	162378	57

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S72A	100YR-1HR	16115	16111	4
EX8S72A	100YR-24HR	126628	126627	1
EX8S72A	10YR-1HR	7423	7419	4
EX8S72A	10YR-24HR	83588	83587	1
EX8S72A	25YR-72HR	104052	103920	132

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S74	100YR-1HR	55830	55856	-26
EX8S74	100YR-24HR	234640	234626	14
EX8S74	10YR-1HR	31529	31533	-3
EX8S74	10YR-24HR	148187	148174	13
EX8S74	25YR-72HR	202944	202611	333

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S81	100YR-1HR	64986	64987	0
EX8S81	100YR-24HR	249402	249390	13
EX8S81	10YR-1HR	41237	41227	10
EX8S81	10YR-24HR	163005	162994	11
EX8S81	25YR-72HR	252411	252051	360

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S83	100YR-1HR	16874	16874	0
EX8S83	100YR-24HR	71373	71373	0
EX8S83	10YR-1HR	8634	8630	5

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S83	10YR-24HR	44503	44503	0
EX8S83	25YR-72HR	85827	85575	252

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S85	100YR-1HR	15384	15370	14
EX8S85	100YR-24HR	75861	75857	5
EX8S85	10YR-1HR	6409	6396	13
EX8S85	10YR-24HR	45298	45295	3
EX8S85	25YR-72HR	84993	84658	335

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S85B	100YR-1HR	9355	9350	5
EX8S85B	100YR-24HR	56412	56409	3
EX8S85B	10YR-1HR	3094	3091	3
EX8S85B	10YR-24HR	34243	34240	3
EX8S85B	25YR-72HR	60068	59842	225

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S87	100YR-1HR	27634	27621	12
EX8S87	100YR-24HR	83643	83645	-2
EX8S87	10YR-1HR	16093	16085	7
EX8S87	10YR-24HR	50097	50097	0
EX8S87	25YR-72HR	93593	93354	239

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S88	100YR-1HR	32693	32707	-14
EX8S88	100YR-24HR	107011	107004	6
EX8S88	10YR-1HR	20143	20151	-8
EX8S88	10YR-24HR	66305	66300	5
EX8S88	25YR-72HR	118380	118021	359

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S98	100YR-1HR	28122	28105	17
EX8S98	100YR-24HR	106449	106451	-1
EX8S98	10YR-1HR	17781	17768	13
EX8S98	10YR-24HR	65514	65514	0
EX8S98	25YR-72HR	110820	110827	-7

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX8S99	100YR-1HR	32653	32645	7
EX8S99	100YR-24HR	115287	115290	-3
EX8S99	10YR-1HR	20710	20704	5
EX8S99	10YR-24HR	75134	75135	-1
EX8S99	25YR-72HR	116500	115573	927

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S101	100YR-1HR	8640	8644	-5
EX9S101	100YR-24HR	23449	23467	-19
EX9S101	10YR-1HR	5892	5892	0
EX9S101	10YR-24HR	15350	15366	-16
EX9S101	25YR-72HR	24443	24464	-21

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S15	100YR-1HR	11937	11568	369
EX9S15	100YR-24HR	33865	33516	348
EX9S15	10YR-1HR	7910	7543	367
EX9S15	10YR-24HR	20994	20647	348
EX9S15	25YR-72HR	50061	49711	350

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S49	100YR-1HR	25849	25829	20

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S49	100YR-24HR	60667	60670	-3
EX9S49	10YR-1HR	14635	14637	-3
EX9S49	10YR-24HR	35764	35765	-2
EX9S49	25YR-72HR	69699	69523	176

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S55	100YR-1HR	13721	13723	-2
EX9S55	100YR-24HR	31918	31915	3
EX9S55	10YR-1HR	6937	6918	19
EX9S55	10YR-24HR	19072	19070	2
EX9S55	25YR-72HR	43239	43092	147

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S57	100YR-1HR	9028	9028	0
EX9S57	100YR-24HR	20228	20228	1
EX9S57	10YR-1HR	3486	3488	-2
EX9S57	10YR-24HR	12490	12489	1
EX9S57	25YR-72HR	37774	37670	104

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S58	100YR-1HR	14484	14486	-2
EX9S58	100YR-24HR	30310	30303	6
EX9S58	10YR-1HR	6150	6147	2
EX9S58	10YR-24HR	19103	19098	6
EX9S58	25YR-72HR	50430	50328	101

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S63	100YR-1HR	9802	9802	0
EX9S63	100YR-24HR	22692	22692	0
EX9S63	10YR-1HR	6168	6168	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S63	10YR-24HR	14075	14075	0
EX9S63	25YR-72HR	23964	23919	46

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S69	100YR-1HR	14218	14217	1
EX9S69	100YR-24HR	29286	29283	3
EX9S69	10YR-1HR	5920	5920	0
EX9S69	10YR-24HR	17865	17863	3
EX9S69	25YR-72HR	37385	37317	68

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S79	100YR-1HR	41539	41539	0
EX9S79	100YR-24HR	157316	157312	4
EX9S79	10YR-1HR	24289	24289	0
EX9S79	10YR-24HR	121719	121716	4
EX9S79	25YR-72HR	216446	216217	229

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S82	100YR-1HR	118974	118906	67
EX9S82	100YR-24HR	259682	259677	5
EX9S82	10YR-1HR	77144	77120	24
EX9S82	10YR-24HR	69330	69328	2
EX9S82	25YR-72HR	193287	193284	3

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S87A	100YR-1HR	17608	17600	8
EX9S87A	100YR-24HR	33214	33214	1
EX9S87A	10YR-1HR	6461	6452	9
EX9S87A	10YR-24HR	15182	15182	0
EX9S87A	25YR-72HR	56472	56354	118

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S90	100YR-1HR	15221	15195	26
EX9S90	100YR-24HR	43202	43200	3
EX9S90	10YR-1HR	8280	8257	23
EX9S90	10YR-24HR	25716	25714	2
EX9S90	25YR-72HR	49783	49536	246

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S90A	100YR-1HR	12302	12303	-1
EX9S90A	100YR-24HR	20797	20797	0
EX9S90A	10YR-1HR	6274	6274	0
EX9S90A	10YR-24HR	12120	12120	0
EX9S90A	25YR-72HR	30965	30889	76

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S94	100YR-1HR	11827	11827	0
EX9S94	100YR-24HR	32264	32264	0
EX9S94	10YR-1HR	6963	6963	0
EX9S94	10YR-24HR	19344	19344	0
EX9S94	25YR-72HR	36971	36806	166

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX9S96	100YR-1HR	19656	19642	14
EX9S96	100YR-24HR	59964	59819	145
EX9S96	10YR-1HR	12817	12807	10
EX9S96	10YR-24HR	37466	37329	137
EX9S96	25YR-72HR	63537	63077	460

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS7AS12+1	100YR-1HR	1258	1259	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS7AS12+1	100YR-24HR	726	726	0
EXCS7AS12+1	10YR-1HR	128	128	0
EXCS7AS12+1	10YR-24HR	267	268	0
EXCS7AS12+1	25YR-72HR	285044	284994	50

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS7AS12+2	100YR-1HR	1104	1103	0
EXCS7AS12+2	100YR-24HR	692	692	0
EXCS7AS12+2	10YR-1HR	0	0	0
EXCS7AS12+2	10YR-24HR	235	235	0
EXCS7AS12+2	25YR-72HR	285155	285155	0

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS7AS1B+1	100YR-1HR	3389	3389	0
EXCS7AS1B+1	100YR-24HR	1707	1707	0
EXCS7AS1B+1	10YR-1HR	132	132	0
EXCS7AS1B+1	10YR-24HR	493	493	0
EXCS7AS1B+1	25YR-72HR	618602	618552	50

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS7AS1B+2	100YR-1HR	3242	3242	0
EXCS7AS1B+2	100YR-24HR	1673	1673	0
EXCS7AS1B+2	10YR-1HR	0	0	0
EXCS7AS1B+2	10YR-24HR	463	463	0
EXCS7AS1B+2	25YR-72HR	618711	618710	1

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS7S69+1	100YR-1HR	72121	72069	51
EXCS7S69+1	100YR-24HR	219230	219602	-371
EXCS7S69+1	10YR-1HR	42372	42285	86

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS7S69+1	10YR-24HR	134268	134894	-626
EXCS7S69+1	25YR-72HR	790516	792455	-1939

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS7S69+2	100YR-1HR	16237	16237	0
EXCS7S69+2	100YR-24HR	4035	4034	1
EXCS7S69+2	10YR-1HR	2868	2868	0
EXCS7S69+2	10YR-24HR	957	957	0
EXCS7S69+2	25YR-72HR	714279	714124	154

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS7S76+1	100YR-1HR	6164	6163	1
EXCS7S76+1	100YR-24HR	26634	26679	-45
EXCS7S76+1	10YR-1HR	1799	1802	-3
EXCS7S76+1	10YR-24HR	14779	14798	-19
EXCS7S76+1	25YR-72HR	555346	555247	99

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS7S76+2	100YR-1HR	0	0	0
EXCS7S76+2	100YR-24HR	1152	1152	0
EXCS7S76+2	10YR-1HR	0	0	0
EXCS7S76+2	10YR-24HR	349	349	0
EXCS7S76+2	25YR-72HR	544624	544624	0

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS9S129+1	100YR-1HR	7907	7907	0
EXCS9S129+1	100YR-24HR	3812	3812	0
EXCS9S129+1	10YR-1HR	3459	3459	0
EXCS9S129+1	10YR-24HR	159	159	0
EXCS9S129+1	25YR-72HR	10322	10273	50

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS9S129+2	100YR-1HR	7943	7918	25
EXCS9S129+2	100YR-24HR	3870	3845	25
EXCS9S129+2	10YR-1HR	3509	3484	25
EXCS9S129+2	10YR-24HR	164	139	25
EXCS9S129+2	25YR-72HR	10596	10544	52

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS9S139C+1	100YR-1HR	12253	12252	0
EXCS9S139C+1	100YR-24HR	4975	4974	1
EXCS9S139C+1	10YR-1HR	3828	3827	0
EXCS9S139C+1	10YR-24HR	162	162	1
EXCS9S139C+1	25YR-72HR	26553	26503	51

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS9S139C+2	100YR-1HR	12488	12484	3
EXCS9S139C+2	100YR-24HR	5202	5201	1
EXCS9S139C+2	10YR-1HR	4079	4076	3
EXCS9S139C+2	10YR-24HR	345	344	1
EXCS9S139C+2	25YR-72HR	26781	26705	77

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS9S80	100YR-1HR	27726	27726	0
EXCS9S80	100YR-24HR	51471	51471	0
EXCS9S80	10YR-1HR	20842	20842	0
EXCS9S80	10YR-24HR	8501	8500	0
EXCS9S80	25YR-72HR	20801	20802	-1

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS9S80A	100YR-1HR	37170	37170	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS9S80A	100YR-24HR	70644	70644	0
EXCS9S80A	10YR-1HR	33818	33818	0
EXCS9S80A	10YR-24HR	18690	18690	0
EXCS9S80A	25YR-72HR	34946	34946	0

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PATRICIA LAKE	100YR-1HR	8886	9	8877
PATRICIA LAKE	100YR-24HR	39851	125	39726
PATRICIA LAKE	10YR-1HR	1988	0	1988
PATRICIA LAKE	10YR-24HR	19093	122	18971
PATRICIA LAKE	25YR-72HR	55033	604569	-549535

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 7AB	100YR-1HR	21248	21235	13
POND 7AB	100YR-24HR	92171	92160	11
POND 7AB	10YR-1HR	10639	10627	13
POND 7AB	10YR-24HR	51772	51761	11
POND 7AB	25YR-72HR	97263	97252	11

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 7W1	100YR-1HR	17370	17367	3
POND 7W1	100YR-24HR	74654	74651	2
POND 7W1	10YR-1HR	8752	8750	3
POND 7W1	10YR-24HR	42060	42058	2
POND 7W1	25YR-72HR	78759	78756	2

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 8E1	100YR-1HR	111078	111885	-807
POND 8E1	100YR-24HR	314530	315288	-757
POND 8E1	10YR-1HR	61014	61792	-779

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 8E1	10YR-24HR	181999	182765	-766
POND 8E1	25YR-72HR	362744	363113	-369

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 8E2	100YR-1HR	43800	43044	756
POND 8E2	100YR-24HR	142903	142154	749
POND 8E2	10YR-1HR	27437	26692	745
POND 8E2	10YR-24HR	87984	87237	747
POND 8E2	25YR-72HR	151399	150585	814

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 9E2	100YR-1HR	38397	38377	20
POND 9E2	100YR-24HR	82315	82288	27
POND 9E2	10YR-1HR	18274	18238	36
POND 9E2	10YR-24HR	51069	51043	25
POND 9E2	25YR-72HR	109844	109815	29

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 9E4	100YR-1HR	33532	33477	55
POND 9E4	100YR-24HR	87554	87493	61
POND 9E4	10YR-1HR	19588	19531	57
POND 9E4	10YR-24HR	55483	55420	63
POND 9E4	25YR-72HR	106488	106390	98

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 9E5	100YR-1HR	70029	69498	531
POND 9E5	100YR-24HR	209702	209196	506
POND 9E5	10YR-1HR	45716	45234	483
POND 9E5	10YR-24HR	131063	130556	506
POND 9E5	25YR-72HR	237656	237015	641

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 9E6	100YR-1HR	85392	85391	1
POND 9E6	100YR-24HR	247032	247017	15
POND 9E6	10YR-1HR	56340	56336	4
POND 9E6	10YR-24HR	158036	158021	15
POND 9E6	25YR-72HR	259752	259723	30

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 9W1	100YR-1HR	5750	5749	0
POND 9W1	100YR-24HR	26322	26322	0
POND 9W1	10YR-1HR	2774	2774	0
POND 9W1	10YR-24HR	14526	14526	0
POND 9W1	25YR-72HR	27815	27815	0

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 9W2	100YR-1HR	97586	97587	0
POND 9W2	100YR-24HR	322190	322190	0
POND 9W2	10YR-1HR	59221	59221	0
POND 9W2	10YR-24HR	197311	197311	0
POND 9W2	25YR-72HR	337693	337694	0

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 9W5	100YR-1HR	219906	219892	14
POND 9W5	100YR-24HR	729984	729970	14
POND 9W5	10YR-1HR	132321	132307	13
POND 9W5	10YR-24HR	446777	446763	14
POND 9W5	25YR-72HR	765105	765075	30

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR7S201	100YR-1HR	43689	43683	6

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR7S201	100YR-24HR	121653	122163	-511
PR7S201	10YR-1HR	30578	30575	3
PR7S201	10YR-24HR	82183	82811	-628
PR7S201	25YR-72HR	286104	286059	46

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR7S202	100YR-1HR	40013	40018	-5
PR7S202	100YR-24HR	129845	129802	42
PR7S202	10YR-1HR	29489	29494	-5
PR7S202	10YR-24HR	85976	85914	63
PR7S202	25YR-72HR	326208	325969	239

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR7S203	100YR-1HR	54212	54255	-43
PR7S203	100YR-24HR	201009	200994	15
PR7S203	10YR-1HR	41081	41114	-33
PR7S203	10YR-24HR	128154	128143	11
PR7S203	25YR-72HR	289454	289211	243

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR7S204	100YR-1HR	73246	73211	35
PR7S204	100YR-24HR	261646	261652	-6
PR7S204	10YR-1HR	57148	57120	28
PR7S204	10YR-24HR	169158	169164	-6
PR7S204	25YR-72HR	259917	259685	232

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR7S205	100YR-1HR	37733	37713	21
PR7S205	100YR-24HR	102408	102392	16
PR7S205	10YR-1HR	25732	25712	20

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR7S205	10YR-24HR	67038	67021	17
PR7S205	25YR-72HR	110308	110175	133

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR7S206	100YR-1HR	42009	42081	-72
PR7S206	100YR-24HR	161263	161258	5
PR7S206	10YR-1HR	26186	26259	-72
PR7S206	10YR-24HR	98725	98697	28
PR7S206	25YR-72HR	300552	300541	12

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR7S207	100YR-1HR	16053	16044	9
PR7S207	100YR-24HR	63137	63135	2
PR7S207	10YR-1HR	10479	10470	9
PR7S207	10YR-24HR	39552	39552	1
PR7S207	25YR-72HR	136153	136066	87

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR8S201	100YR-1HR	37035	37037	-2
PR8S201	100YR-24HR	119513	119516	-3
PR8S201	10YR-1HR	24642	24646	-4
PR8S201	10YR-24HR	76517	76519	-2
PR8S201	25YR-72HR	123879	123877	1

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR8S202	100YR-1HR	43696	43692	4
PR8S202	100YR-24HR	95982	95985	-3
PR8S202	10YR-1HR	33482	33481	1
PR8S202	10YR-24HR	70749	70752	-3
PR8S202	25YR-72HR	113535	113471	64

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR8S203	100YR-1HR	70245	70146	99
PR8S203	100YR-24HR	231073	230940	134
PR8S203	10YR-1HR	48428	48333	95
PR8S203	10YR-24HR	151327	151208	119
PR8S203	25YR-72HR	221993	221720	272

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR8S204	100YR-1HR	31225	31140	86
PR8S204	100YR-24HR	133146	133060	86
PR8S204	10YR-1HR	21633	21548	86
PR8S204	10YR-24HR	78903	78817	86
PR8S204	25YR-72HR	118441	118199	242

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR8S205	100YR-1HR	31416	31310	106
PR8S205	100YR-24HR	98219	98132	87
PR8S205	10YR-1HR	19017	18902	114
PR8S205	10YR-24HR	56048	55962	86
PR8S205	25YR-72HR	95719	95489	230

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR8S206	100YR-1HR	23980	23665	315
PR8S206	100YR-24HR	65082	64857	225
PR8S206	10YR-1HR	16353	16043	310
PR8S206	10YR-24HR	42604	42377	226
PR8S206	25YR-72HR	67843	67625	217

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR9S201	100YR-1HR	34921	34925	-3

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR9S201	100YR-24HR	81324	81325	-1
PR9S201	10YR-1HR	19205	19209	-5
PR9S201	10YR-24HR	47660	47661	-1
PR9S201	25YR-72HR	103624	103381	242

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR9S202	100YR-1HR	61013	61027	-15
PR9S202	100YR-24HR	173492	173489	3
PR9S202	10YR-1HR	41351	41367	-16
PR9S202	10YR-24HR	112206	112208	-2
PR9S202	25YR-72HR	179352	179056	296

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR9S203	100YR-1HR	19455	19131	324
PR9S203	100YR-24HR	56374	55906	468
PR9S203	10YR-1HR	11597	11239	357
PR9S203	10YR-24HR	34964	34511	453
PR9S203	25YR-72HR	71518	71059	459

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR9S204	100YR-1HR	7727	7710	17
PR9S204	100YR-24HR	22586	22570	16
PR9S204	10YR-1HR	8686	8665	21
PR9S204	10YR-24HR	15208	15194	14
PR9S204	25YR-72HR	21149	20857	292

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR9S205	100YR-1HR	82247	82229	17
PR9S205	100YR-24HR	270064	270030	34
PR9S205	10YR-1HR	49469	49454	15

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR9S205	10YR-24HR	166455	166428	27
PR9S205	25YR-72HR	287422	287325	98

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR9S206	100YR-1HR	32717	32695	21
PR9S206	100YR-24HR	118576	118575	0
PR9S206	10YR-1HR	21398	21382	16
PR9S206	10YR-24HR	71807	71807	1
PR9S206	25YR-72HR	115837	115706	131

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR9S207	100YR-1HR	33519	33526	-8
PR9S207	100YR-24HR	118231	118226	5
PR9S207	10YR-1HR	21382	21379	3
PR9S207	10YR-24HR	71462	71458	4
PR9S207	25YR-72HR	120946	120758	187

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR9S208	100YR-1HR	21923	21913	10
PR9S208	100YR-24HR	59460	59456	4
PR9S208	10YR-1HR	11291	11280	10
PR9S208	10YR-24HR	34779	34776	3
PR9S208	25YR-72HR	79155	79039	116

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR9S210	100YR-1HR	220048	220016	32
PR9S210	100YR-24HR	730125	730112	14
PR9S210	10YR-1HR	132463	132445	18
PR9S210	10YR-24HR	446918	446927	-9
PR9S210	25YR-72HR	765180	764839	341

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR9S211	100YR-1HR	59396	59401	-5
PR9S211	100YR-24HR	250591	250599	-7
PR9S211	10YR-1HR	38722	38705	17
PR9S211	10YR-24HR	172412	172403	9
PR9S211	25YR-72HR	227272	226973	299

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR9S212	100YR-1HR	184621	184635	-14
PR9S212	100YR-24HR	582045	582034	11
PR9S212	10YR-1HR	117578	117589	-10
PR9S212	10YR-24HR	363756	363747	8
PR9S212	25YR-72HR	612186	612082	104

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR9S213	100YR-1HR	48238	48225	13
PR9S213	100YR-24HR	176413	176413	0
PR9S213	10YR-1HR	22534	22524	10
PR9S213	10YR-24HR	139410	139411	0
PR9S213	25YR-72HR	226478	226428	50

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PRCS8S207	100YR-1HR	18524	18604	-80
PRCS8S207	100YR-24HR	12811	12811	-1
PRCS8S207	10YR-1HR	26	26	0
PRCS8S207	10YR-24HR	141	140	1
PRCS8S207	25YR-72HR	91510	91527	-17

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PRCS9S209+1	100YR-1HR	10544	10544	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PRCS9S209+1	100YR-24HR	4366	4365	0
PRCS9S209+1	10YR-1HR	2214	2213	0
PRCS9S209+1	10YR-24HR	399	399	1
PRCS9S209+1	25YR-72HR	35045	34995	51

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PRCS9S209+2	100YR-1HR	60119	60160	-41
PRCS9S209+2	100YR-24HR	136644	136641	3
PRCS9S209+2	10YR-1HR	23323	23339	-17
PRCS9S209+2	10YR-24HR	40579	40577	2
PRCS9S209+2	25YR-72HR	168464	168462	2

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PRCS9S209+3	100YR-1HR	55392	55391	1
PRCS9S209+3	100YR-24HR	131970	131970	0
PRCS9S209+3	10YR-1HR	21613	21613	0
PRCS9S209+3	10YR-24HR	39787	39787	0
PRCS9S209+3	25YR-72HR	160883	160833	50

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 7W1	100YR-1HR	1339	0	1339
SWALE 7W1	100YR-24HR	7324	464	6860
SWALE 7W1	10YR-1HR	566	0	566
SWALE 7W1	10YR-24HR	3816	0	3816
SWALE 7W1	25YR-72HR	7775	915	6860

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 8W1	100YR-1HR	19641	19641	0
SWALE 8W1	100YR-24HR	76887	76887	0
SWALE 8W1	10YR-1HR	10533	10533	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 8W1	10YR-24HR	44671	44671	0
SWALE 8W1	25YR-72HR	80914	80914	0

Node Mass Balance Condensed [Post-Development]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
TROPICAL PARK LAKE	100YR-1HR	20894	10	20884
TROPICAL PARK LAKE	100YR-24HR	29452	386	29066
TROPICAL PARK LAKE	10YR-1HR	4170	11	4159
TROPICAL PARK LAKE	10YR-24HR	13083	387	12696
TROPICAL PARK LAKE	25YR-72HR	84634	1485040	-1400405

System 7B

Pre-Development Land Use Tables
Post-Development Land Use Tables
Water Quality Summary Table
Drainage Calculations
Drainage System Summary Tables
Pre-Development Node Link Diagram
Pre-Development ICPR Input/Output
Post-Development Node Link Diagram
Post-Development ICPR Input/Output

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

PRE-DEVELOPMENT LAND-USE

Drainage System: **7B** SHGWT EL. (ft-NAVD): **1.94**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
7BB05	**10**	**0.06**	**0.06**	0.00	0.00	0.06	**0.00**	0.00	0.00	0.00	10.44	8.50	8.18	**55.01**
7BB06	**10**	**0.09**	**0.09**	0.00	0.00	0.09	**0.00**	0.00	0.00	0.00	8.44	6.50	8.18	**55.01**
7BB08	**10**	**0.26**	**0.26**	0.07	0.00	0.19	**0.00**	0.00	0.00	0.00	6.44	4.50	8.18	**62.59**
7BB105	**10**	**1.06**	**1.06**	1.06	0.00	0.00	**0.00**	0.00	0.00	0.00	9.44	7.50	8.18	**98.00**
7BB71	**10**	**0.70**	**0.70**	0.62	0.00	0.08	**0.00**	0.00	0.00	0.00	41.44	39.50	8.18	**91.46**
7BB72	**10**	**0.54**	**0.54**	0.54	0.00	0.00	**0.00**	0.00	0.00	0.00	41.44	39.50	8.18	**98.00**
7BB73	**10**	**1.35**	**1.35**	1.18	0.00	0.17	**0.00**	0.00	0.00	0.00	26.44	24.50	8.18	**90.67**
7BB74	**10**	**0.59**	**0.59**	0.59	0.00	0.00	**0.00**	0.00	0.00	0.00	27.44	25.50	8.18	**98.00**
7BB74A	**10**	**1.17**	**1.17**	0.03	0.00	1.14	**0.00**	0.00	0.00	0.00	13.44	11.50	8.18	**55.65**
7BB75	**10**	**1.05**	**1.05**	1.00	0.00	0.05	**0.00**	0.00	0.00	0.00	12.44	10.50	8.18	**96.26**
7BB76	**10**	**0.60**	**0.60**	0.60	0.00	0.00	**0.00**	0.00	0.00	0.00	12.44	10.50	8.18	**98.00**
7BB77	**10**	**0.55**	**0.55**	0.41	0.00	0.14	**0.00**	0.00	0.00	0.00	8.74	6.80	8.18	**82.77**
7BB78	**10**	**0.93**	**0.93**	0.93	0.00	0.00	**0.00**	0.00	0.00	0.00	8.79	6.85	8.18	**98.00**
7BB78A	**10**	**1.37**	**1.37**	0.00	0.00	1.37	**0.00**	0.00	0.00	0.00	9.44	7.50	8.18	**55.01**
7BB81	**10**	**1.30**	**1.30**	1.30	0.00	0.00	**0.00**	0.00	0.00	0.00	10.44	8.50	8.18	**98.00**
7BB82_1	**10**	**0.48**	**0.48**	0.48	0.00	0.00	**0.00**	0.00	0.00	0.00	10.44	8.50	8.18	**98.00**
7BB82_2	**10**	**0.78**	**0.78**	0.11	0.00	0.67	**0.00**	0.00	0.00	0.00	10.44	8.50	8.18	**58.74**
7BB83	**10**	**0.24**	**0.24**	0.24	0.00	0.00	**0.00**	0.00	0.00	0.00	13.44	11.50	8.18	**98.00**
7BB84	**10**	**0.44**	**0.44**	0.44	0.00	0.00	**0.00**	0.00	0.00	0.00	20.44	18.50	8.18	**98.00**
7BB85	**10**	**0.33**	**0.33**	0.33	0.00	0.00	**0.00**	0.00	0.00	0.00	17.44	15.50	8.18	**98.00**
7BB86	**10**	**0.79**	**0.79**	0.79	0.00	0.00	**0.00**	0.00	0.00	0.00	27.44	25.50	8.18	**98.00**
7BB87	**10**	**0.42**	**0.42**	0.42	0.00	0.00	**0.00**	0.00	0.00	0.00	25.44	23.50	8.18	**98.00**
7BB88	**10**	**0.38**	**0.38**	0.38	0.00	0.00	**0.00**	0.00	0.00	0.00	30.44	28.50	8.18	**98.00**
POND 7B1	**10**	**6.86**	**6.86**	3.48	0.00	3.38	**0.00**	0.00	0.00	0.00	4.44	2.50	1.88	**91.53**
POND 7B2	**10**	**1.05**	**1.05**	0.01	0.00	1.04	**0.00**	0.00	0.00	0.00	4.44	2.50	1.88	**84.31**
SWALE 7B1	**10**	**0.81**	**0.81**	0.04	0.00	0.77	**0.00**	0.00	0.00	0.00	8.44	6.50	8.18	**56.26**
BASIN 7B TOTALS		**24.20**	**24.20**	**15.05**	**0.00**	**9.15**	**0.00**	**0.00**	**0.00**	**0.00**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

Drainage System: **7B** SHGWT EL. (ft-NAVD): **1.94**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
7BB05	**10**	**0.06**	**0.06**	0.00	0.00	0.06	**0.00**	0.00	0.00	0.00	10.44	8.50	8.18	**55.01**
7BB06	**10**	**0.08**	**0.08**	0.00	0.00	0.08	**0.00**	0.00	0.00	0.00	8.44	6.50	8.18	**55.01**
7BB08	**10**	**0.17**	**0.17**	0.02	0.00	0.15	**0.00**	0.00	0.00	0.00	6.44	4.50	8.18	**58.08**
7BB105	**10**	**1.06**	**1.06**	1.06	0.00	0.00	**0.00**	0.00	0.00	0.00	9.44	7.50	8.18	**98.00**
7BB71	**10**	**0.70**	**0.70**	0.62	0.00	0.08	**0.00**	0.00	0.00	0.00	41.44	39.50	8.18	**91.46**
7BB72	**10**	**0.54**	**0.54**	0.54	0.00	0.00	**0.00**	0.00	0.00	0.00	41.44	39.50	8.18	**98.00**
7BB73	**10**	**1.35**	**1.35**	1.18	0.00	0.17	**0.00**	0.00	0.00	0.00	26.44	24.50	8.18	**90.67**
7BB74	**10**	**0.59**	**0.59**	0.59	0.00	0.00	**0.00**	0.00	0.00	0.00	27.44	25.50	8.18	**98.00**
7BB74A	**10**	**1.17**	**1.17**	0.03	0.00	1.14	**0.00**	0.00	0.00	0.00	13.44	11.50	8.18	**55.65**
7BB75	**10**	**1.05**	**1.05**	1.00	0.00	0.05	**0.00**	0.00	0.00	0.00	12.44	10.50	8.18	**96.26**
7BB76	**10**	**0.60**	**0.60**	0.60	0.00	0.00	**0.00**	0.00	0.00	0.00	12.44	10.50	8.18	**98.00**
7BB77	**10**	**0.55**	**0.55**	0.41	0.00	0.14	**0.00**	0.00	0.00	0.00	8.74	6.80	8.18	**82.77**
7BB78	**10**	**0.93**	**0.93**	0.93	0.00	0.00	**0.00**	0.00	0.00	0.00	8.79	6.85	8.18	**98.00**
7BB78A	**10**	**1.37**	**1.37**	0.00	0.00	1.37	**0.00**	0.00	0.00	0.00	9.44	7.50	8.18	**55.01**
7BB81	**10**	**1.30**	**1.30**	1.30	0.00	0.00	**0.00**	0.00	0.00	0.00	10.44	8.50	8.18	**98.00**
7BB82_1	**10**	**0.48**	**0.48**	0.48	0.00	0.00	**0.00**	0.00	0.00	0.00	10.44	8.50	8.18	**98.00**
7BB82_2	**10**	**0.70**	**0.70**	0.11	0.00	0.59	**0.00**	0.00	0.00	0.00	10.44	8.50	8.18	**59.20**
7BB83	**10**	**0.24**	**0.24**	0.24	0.00	0.00	**0.00**	0.00	0.00	0.00	13.44	11.50	8.18	**98.00**
7BB84	**10**	**0.41**	**0.41**	0.41	0.00	0.00	**0.00**	0.00	0.00	0.00	20.44	18.50	8.18	**98.00**
7BB85	**10**	**0.33**	**0.33**	0.33	0.00	0.00	**0.00**	0.00	0.00	0.00	17.44	15.50	8.18	**98.00**
7BB86	**10**	**0.84**	**0.84**	0.84	0.00	0.00	**0.00**	0.00	0.00	0.00	27.44	25.50	8.18	**98.00**
7BB87	**10**	**0.50**	**0.50**	0.50	0.00	0.00	**0.00**	0.00	0.00	0.00	25.44	23.50	8.18	**98.00**
7BB88	**10**	**0.46**	**0.46**	0.46	0.00	0.00	**0.00**	0.00	0.00	0.00	30.44	28.50	8.18	**98.00**
POND 7B1	**10**	**6.86**	**6.86**	3.48	0.00	3.38	**0.00**	0.00	0.00	0.00	4.44	2.50	1.88	**91.53**
POND 7B2	**10**	**1.05**	**1.05**	0.01	0.00	1.04	**0.00**	0.00	0.00	0.00	4.44	2.50	1.88	**84.31**
SWALE 7B1	**10**	**0.81**	**0.81**	0.04	0.00	0.77	**0.00**	0.00	0.00	0.00	8.44	6.50	8.18	**56.26**
BASIN 7B TOTALS		**24.20**	**24.20**	**15.18**	**0.00**	**9.02**	**0.00**	**0.00**	**0.00**	**0.00**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY SUMMARY

Drainage System: ***7B***

SYSTEM	SHGWT EL. (ft-NAVD)	TOTAL ONSITE AREA (Ac.) *[POST-DEV.]*	ONSITE IMPERVIOUS AREA (Ac.) *[POST-DEV.]*	ONSITE PERVIOUS AREA (Ac.) *[POST-DEV.]*	SFWMD 1" OVER TOTAL ONSITE AREA (Ac-ft)	SFWMD 2.5" OVER IMPERVIOUS AREA (Ac-ft)	[1] SFWMD WATER QUALITY TREATMENT REQUIRED FOR RETENTION (Ac-ft)	[2]DRER WATER QUALITY TREATMENT REQUIRED (Ac-ft)	[3]DRY- / WET-RETENTION TREATMENT VOLUME PROVIDED (Ac-ft)	FRENCH DRAIN TREATMENT VOLUME PROVIDED (Ac-ft)	TOTAL TREATMENT VOLUME PROVIDED (Ac-ft)	SFWMD SURPLUS TREATMENT VOLUME PROVIDED (Ac-ft)
7B	1.94	24.20	15.18	9.02	2.02	3.16	**3.16**	**2.95**	6.01	0.00	**6.01**	**2.84**
SYSTEM TOTAL	1.94	24.20	15.18	9.02	2.02	3.16	**3.16**	**2.95**	6.01	0.00	**6.01**	**2.84**

[1]2.5" over Additional Impervious Area.

[2]See next page for water quality calculations by Miami-Dade Department of Regulatory and Economic Resources (DRER).

[3]Multiplied by 2 to account for 50% retention volume credit.

POND 7B1 (EXISTING)			POND 7B2		
TYPE:	Dry Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
4.44	0.87		2.94	0.50	
5.75	***1.16***	***1.33***	4.44	0.60	0.83
8.24	1.71	4.90	***5.75***	***0.69***	***1.67***
			7.94	0.84	3.35

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY CALCULATIONS BY DRER

Drainage System: 7B

AREA:

Onsite Impervious	**15.18**	Ac.	63%
Onsite Pervious	**9.02**	Ac.	37%
Total Area	**24.20**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.68 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV}) / A_T = \mathbf{0.68}$$

$t_{1"}$ = 14.26 min.

TOTAL TIME OF CONCENTRATION (T_T)

$T_T = t_{1"} + Tc =$ 24.26 min.

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.39 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ CiA\ T_T =$ **128461.72 cf** **2.95 ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE

VARIABLE TAILWATER *

Drainage System: **7B**

24HR DESIGN STORM DURATION		72HR DESIGN STORM DURATION	
TIME (hrs)	**STAGE (ft-NGVD)**	**TIME (hrs)**	**STAGE (ft-NGVD)**
0.00	1.44	0.00	1.44
12.50	2.64	60.50	3.60
24.00	2.64	72.00	3.60
48.00	1.44	96.00	1.44
300.00	1.44	300.00	1.44

** Per SR-826 Palmetto Expressway (Section 2) from South of Sunset Drive to North of Bird Road - Drainage Report System 5*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

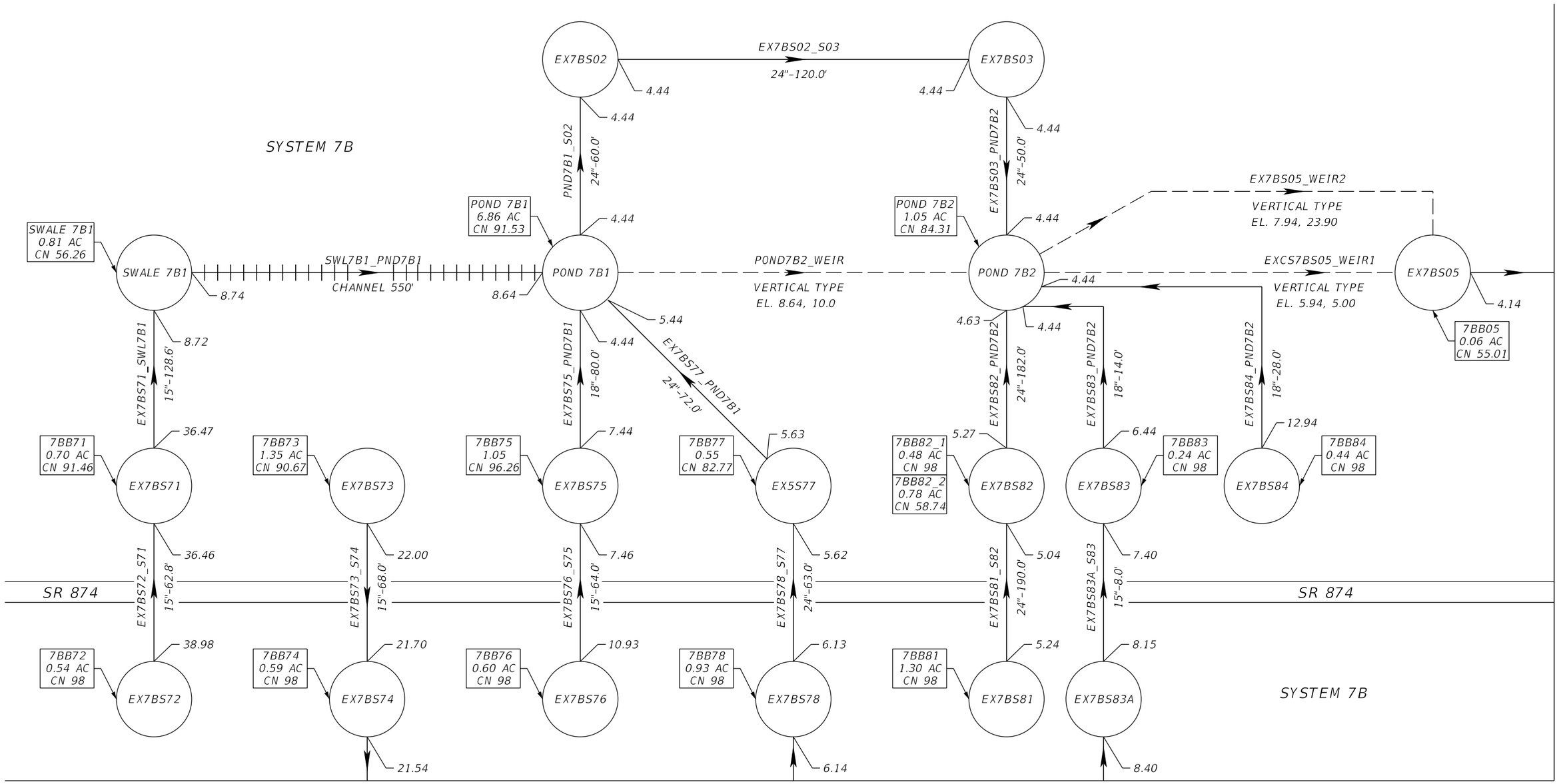
DRAINAGE SYSTEM SUMMARY TABLES

Drainage System: *7B*

Summary of Peak Discharges			
Receiving Waterbody:	**Patricia Lake**		
PRE-DEVELOPMENT			
ICPR Node:	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
PATRICIA LAKE	33.53	39.57	33.53
PRE-DEVELOPMENT TOTALS:	**33.53**	**39.57**	**33.53**
POST-DEVELOPMENT			
ICPR Node:	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
PATRICIA LAKE	33.53	33.68	33.53
POST-DEVELOPMENT TOTALS:	**33.53**	**33.68**	**33.53**
Pre-Post 25yr-72hr Peak Discharge Reduction (cfs):	***5.89***		

Summary of Peak Stages									
				PRE-DEVELOPMENT			**POST-DEVELOPMENT**		
Pond/ Swale/ FD #	**Type: [Wet/Dry, Det./Ret., FD]**	**Disposition [Exist./ Prop./ Modified]**	**Warning EL. [Min. Berm/ Min. EOP] (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**
POND 7B1	Dry Retention	Existing	8.94	7.27	9.09	8.15	7.09	9.04	8.03
POND 7B2	Dry Retention	Modified	7.94	6.74	7.64	6.99	6.58	7.60	6.89

Control Structure Summary Table - Proposed Conditions					
Control Structure:	**Disposition [Exist./ Prop./ Modified]**	**Weir Type/ Geometry**	**Weir EL. (ft-NAVD)**	**Bleeder Type/ Geometry**	**Bleeder Invert EL. (ft-NAVD)**
EXCS7BS05_WEIR1	Modified	Vertical, Rectangular	5.75	--	--



LEGEND

B-### #.## AC CN ##.# — CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER	NODE NAME — BOUNDARY NODE WITH CONSTANT TAILWATER	###-### ##"-###' #.## #.## — EXFILTRATION TRENCH LINK WITH SIZE-LENGTH INVERT ELEVATION	####_WEIR VERTICAL TYPE EL. #.##, ## — WEIR LINK WITH WEIR TYPE ELEVATION, WIDTH	###### CHANNEL ###' #.## #.## — CHANNEL LINK WITH LENGTH INVERT ELEVATION
#-### — NODE NAME	NODE NAME — BOUNDARY NODE WITH VARIABLE TAILWATER	###-### (#)##"-###' #.## #.## — PIPE LINK WITH (QUANTITY)SIZE-LENGTH INVERT ELEVATION	##_## — RATING CURVE LINK	

N.T.S.

1 OF 3

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

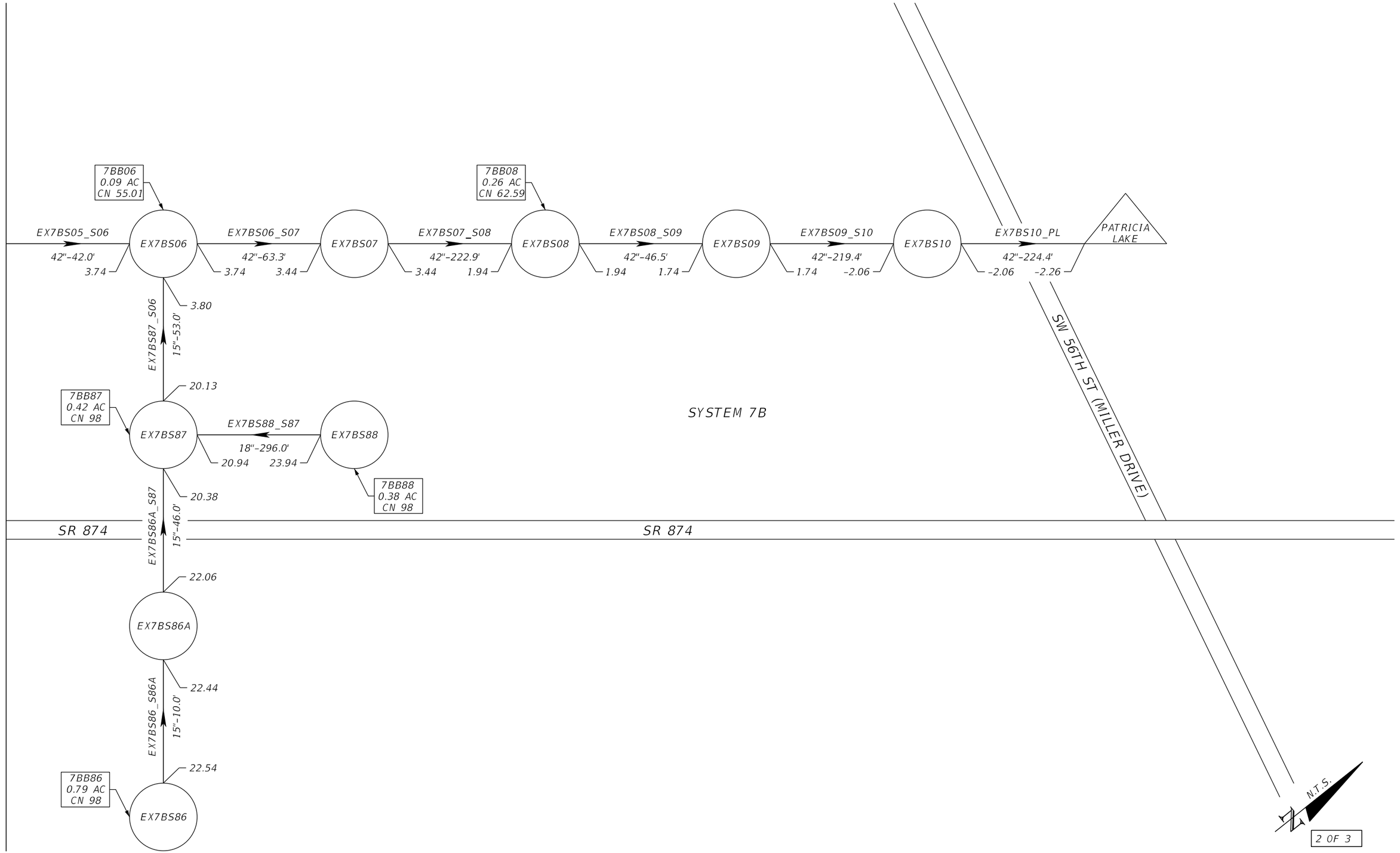
AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-1



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
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RS&H, INC.
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-2

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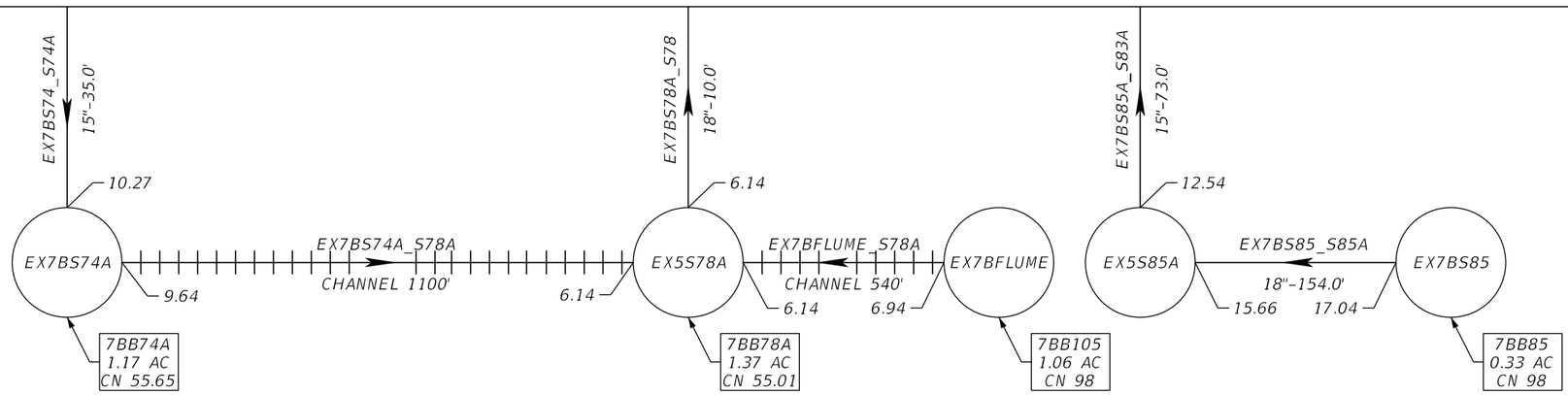
haripraR 8/22/2019 10:10:34 AM c:\pw_work\rsh_pw\pw_user\d0171047\ICPR NODE-LINK DIAGRAM_PRE SYSTEM 7B.dgn

MATCHLINE B-B



SYSTEM 7B

N.T.S.

3 OF 3

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-3

Simple Basin: 7BB05

Scenario:	Icpr3
Node:	EX7BS05
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.0600 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB06

Scenario:	Icpr3
Node:	EX7BS06
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.0900 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB08

Scenario:	Icpr3
Node:	EX7BS08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2600 ac
Curve Number:	62.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB105

Scenario:	Icpr3
Node:	EX7BFLUME
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	1.0600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB71

Scenario:	Icpr3
Node:	EX7BS71
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7000 ac
Curve Number:	91.5
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB72

Scenario:	Icpr3
Node:	EX7BS72
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.5400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB73

Scenario:	Icpr3
Node:	EX7BS73
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	1.3500 ac
Curve Number:	90.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB74

Scenario:	Icpr3
Node:	EX7BS74
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.5900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB74A

Scenario:	Icpr3
Node:	EX7BS74A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	1.1700 ac
Curve Number:	55.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB75

Scenario:	Icpr3
Node:	EX7BS75
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	1.0500 ac
Curve Number:	96.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB76

Scenario:	Icpr3
Node:	EX7BS76
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.6000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB77

Scenario:	Icpr3
Node:	EX7BS77
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.5500 ac
Curve Number:	82.8
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB78

Scenario:	Icpr3
Node:	EX7BS78
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.9300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB78A

Scenario:	Icpr3
Node:	EX7BS78A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	1.3700 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB81

Scenario:	Icpr3
Node:	EX7BS81
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	1.3000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB82_1

Scenario:	Icpr3
Node:	EX7BS82
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB82_2

Scenario:	Icpr3
Node:	EX7BS82
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.7800 ac
Curve Number:	58.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB83

Scenario:	Icpr3
Node:	EX7BS83
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB84

Scenario:	Icpr3
Node:	EX7BS84
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.4400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB85

Scenario:	Icpr3
Node:	EX7BS85
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.3300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB86

Scenario:	Icpr3
Node:	EX7BS86
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.7900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB87

Scenario:	Icpr3
Node:	EX7BS87
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.4200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB88

Scenario:	Icpr3
Node:	EX7BS88
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.3800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 7B1

Scenario:	Icpr3
Node:	POND 7B1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	6.8600 ac
Curve Number:	91.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 7B2

Scenario:	Icpr3
Node:	POND 7B2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	1.0500 ac
Curve Number:	84.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: SWALE 7B1

Scenario:	Icpr3
Node:	SWALE 7B1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.8100 ac
Curve Number:	56.3
% Impervious:	0.00
% DCIA:	0.00

% Direct: 0.00
Rainfall Name:

Comment:

Node: EX7BFLUME

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.94 ft
Warning Stage: 10.44 ft

Stage [ft]	Area [ac]	Area [ft2]
6.94	0.0001	4
7.44	0.0001	4
8.44	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS02

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.44 ft
Warning Stage: 9.44 ft

Stage [ft]	Area [ac]	Area [ft2]
4.44	0.0001	4
9.44	0.0001	4
9.45	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS03

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.44 ft
Warning Stage: 9.44 ft

Stage [ft]	Area [ac]	Area [ft2]
4.44	0.0001	4

Stage [ft]	Area [ac]	Area [ft2]
9.44	0.0001	4
9.45	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS05

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.14 ft
Warning Stage: 10.44 ft

Stage [ft]	Area [ac]	Area [ft2]
4.14	0.0010	44
10.44	0.0100	436

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS06

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.74 ft
Warning Stage: 8.44 ft

Stage [ft]	Area [ac]	Area [ft2]
3.74	0.0001	4
8.44	0.0001	4
8.45	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS07

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.44 ft
Warning Stage: 8.54 ft

Stage [ft]	Area [ac]	Area [ft2]
3.44	0.0001	4

Stage [ft]	Area [ac]	Area [ft2]
8.54	0.0001	4
8.55	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS08

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.94 ft
Warning Stage: 6.44 ft

Stage [ft]	Area [ac]	Area [ft2]
1.94	0.0001	4
6.44	0.0001	4
6.45	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS09

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.94 ft
Warning Stage: 5.44 ft

Stage [ft]	Area [ac]	Area [ft2]
1.74	0.0001	4
5.44	0.0001	4
5.45	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS10

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.94 ft
Warning Stage: 4.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0001	4
3.94	0.0001	4
3.95	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS71

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 34.44 ft
Warning Stage: 41.41 ft

Stage [ft]	Area [ac]	Area [ft2]
34.44	0.0001	4
40.81	0.0001	4
40.82	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS72

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 38.98 ft
Warning Stage: 41.49 ft

Stage [ft]	Area [ac]	Area [ft2]
38.98	0.0001	4
40.89	0.0001	4
40.90	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS73

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 19.94 ft
Warning Stage: 26.97 ft

Stage [ft]	Area [ac]	Area [ft2]
19.94	0.0001	4
26.37	0.0001	4
26.38	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS74

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 21.54 ft
Warning Stage: 26.64 ft

Stage [ft]	Area [ac]	Area [ft2]
21.54	0.0001	4
26.04	0.0001	4
26.05	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS74A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.64 ft
Warning Stage: 13.44 ft

Stage [ft]	Area [ac]	Area [ft2]
9.64	0.0001	4
9.65	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS75

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.44 ft
Warning Stage: 12.51 ft

Stage [ft]	Area [ac]	Area [ft2]
5.44	0.0001	4
11.91	0.0001	4
11.92	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS76

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.81 ft
Warning Stage: 12.53 ft

Stage [ft]	Area [ac]	Area [ft2]
7.81	0.0001	4
11.93	0.0001	4
11.94	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS77

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.54 ft
Warning Stage: 9.34 ft

Stage [ft]	Area [ac]	Area [ft2]
3.54	0.0001	4
8.74	0.0001	4
8.75	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS78

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.13 ft
Warning Stage: 9.39 ft

Stage [ft]	Area [ac]	Area [ft2]
6.13	0.0001	4
8.79	0.0001	4
8.80	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS78A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.14 ft
Warning Stage: 10.44 ft

Stage [ft]	Area [ac]	Area [ft2]
6.14	0.0001	4
6.64	0.0001	4
9.44	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS81

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.44 ft
Warning Stage: 10.44 ft

Stage [ft]	Area [ac]	Area [ft2]
7.44	0.0001	4
10.44	0.0001	4

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS82

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.04 ft
Warning Stage: 10.44 ft

Stage [ft]	Area [ac]	Area [ft2]
5.04	0.0010	44
10.44	0.0100	436

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS83

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.44 ft
Warning Stage: 13.79 ft

Stage [ft]	Area [ac]	Area [ft2]
6.44	0.0001	4
13.19	0.0001	4
13.20	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS83A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.15 ft
Warning Stage: 14.02 ft

Stage [ft]	Area [ac]	Area [ft2]
8.15	0.0001	4
14.02	0.0001	4
14.03	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS84

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.94 ft
Warning Stage: 20.68 ft

Stage [ft]	Area [ac]	Area [ft2]
12.94	0.0001	4
20.08	0.0001	4
20.09	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS85

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.04 ft
Warning Stage: 20.73 ft

Stage [ft]	Area [ac]	Area [ft2]
17.04	0.0001	4
20.13	0.0001	4
20.14	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS85A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.13 ft
Warning Stage: 16.41 ft

Stage [ft]	Area [ac]	Area [ft2]
12.13	0.0001	4
16.41	0.0001	4
16.42	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P (S-83B)

Node: EX7BS86

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 22.54 ft
Warning Stage: 27.11 ft

Stage [ft]	Area [ac]	Area [ft2]
22.54	0.0001	4
26.51	0.0001	4

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS86A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 22.06 ft
Warning Stage: 26.55 ft

Stage [ft]	Area [ac]	Area [ft2]
22.06	0.0001	4
26.55	0.0001	4
26.56	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS87

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.13 ft
Warning Stage: 25.65 ft

Stage [ft]	Area [ac]	Area [ft2]
20.13	0.0001	4
25.05	0.0001	4
25.06	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS88

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 23.94 ft
Warning Stage: 30.49 ft

Stage [ft]	Area [ac]	Area [ft2]
23.94	0.0001	4
29.89	0.0001	4

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: PATRICIA LAKE

Scenario: Icpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 4.44 ft
Boundary Stage: PATRICIA LAKE

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	300.0000	1.44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: POND 7B1

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.44 ft
Warning Stage: 8.94 ft

Stage [ft]	Area [ac]	Area [ft2]
2.44	0.0001	4
4.43	0.0001	4
4.44	0.8700	37897
8.24	1.7100	74488

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: POND 7B2

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.44 ft
Warning Stage: 7.94 ft

Stage [ft]	Area [ac]	Area [ft2]
2.44	0.0001	4
4.43	0.0001	4
4.44	0.3100	13504
7.94	0.5200	22651

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: SWALE 7B1

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.72 ft
Warning Stage: 12.44 ft

Stage [ft]	Area [ac]	Area [ft2]
8.44	0.0010	44
14.44	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Channel Link: EX7BFLUME_S78A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	6.94 ft	Invert:	6.14 ft
From Node:	EX7BFLUME	Manning's N:	0.0600	Manning's N:	0.0600
To Node:	EX7BS78A	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	4.00 ft	Bottom Width:	4.00 ft
Length:	540.00 ft	Left Slope:	2.000 (h:v)	Left Slope:	2.000 (h:v)
Contraction Coef:	0.10	Right Slope:	2.000 (h:v)	Right Slope:	2.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0600	Manning's N:	0.0600
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0600	Manning's N:	0.0600

Comment:

Pipe Link: EX7BS02_S03		Upstream		Downstream	
Scenario:	Icpr3	Invert:	4.44 ft	Invert:	4.44 ft
From Node:	EX7BS02	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS03	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	120.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: EX7BS03_PND7B2		Upstream		Downstream	
Scenario:	Icpr3	Invert:	4.44 ft	Invert:	4.44 ft
From Node:	EX7BS03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 7B2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING PIPE TO REMAIN

Pipe Link: EX7BS05_S06		Upstream		Downstream	
Scenario:	Icpr3	Invert:	4.14 ft	Invert:	3.74 ft
From Node:	EX7BS05	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS06	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	42.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING OUTFALL PIPE TO LAKE PATRICIA TO REMAIN

Weir Link: EX7BS05_WEIR2

Scenario:	Icpr3	**Bottom Clip**	
From Node:	POND 7B2	Default:	0.00 ft
To Node:	EX7BS05	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	7.94 ft	**Discharge Coefficients**	
Control Elevation:	7.94 ft	Weir Default:	3.200
Max Depth:	999.00 ft	Weir Table:	
Max Width:	23.90 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EX7BS06_S07		Upstream		Downstream	
Scenario:	Icpr3	Invert:	3.74 ft	Invert:	3.44 ft
From Node:	EX7BS06	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS07	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	63.33 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING OUTFALL PIPE TO LAKE PATRICIA TO REMAIN

Pipe Link: EX7BS07_S08		Upstream		Downstream	
Scenario:	Icpr3	Invert:	3.44 ft	Invert:	1.94 ft
From Node:	EX7BS07	Manning's N:	0.0120	Manning's N:	0.0120

To Node:	EX7BS08	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	222.85 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING OUTFALL PIPE TO LAKE PATRICIA TO REMAIN

Pipe Link: EX7BS08_S09		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.94 ft	Invert:	1.74 ft
From Node:	EX7BS08	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS09	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.45 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING OUTFALL PIPE TO LAKE PATRICIA TO REMAIN

Pipe Link: EX7BS09_S10		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.74 ft	Invert:	-2.06 ft
From Node:	EX7BS09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS10	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	219.35 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING OUTFALL PIPE TO LAKE PATRICIA TO REMAIN

Pipe Link: EX7BS10_PL		Upstream		Downstream	
Scenario:	Icpr3	Invert:	-2.06 ft	Invert:	-2.26 ft
From Node:	EX7BS10	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PATRICIA LAKE	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	224.41 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING OUTFALL PIPE TO LAKE PATRICIA TO REMAIN

Pipe Link: EX7BS71_SWL7B1		Upstream		Downstream	
Scenario:	Icpr3	Invert:	36.47 ft	Invert:	8.72 ft
From Node:	EX7BS71	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 7B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	128.58 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: EX7BS72_S71		Upstream		Downstream	
Scenario:	Icpr3	Invert:	38.98 ft	Invert:	36.46 ft
From Node:	EX7BS72	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS71	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	62.79 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: EX7BS73_S74		Upstream		Downstream	
Scenario:	Icpr3	Invert:	22.00 ft	Invert:	21.70 ft
From Node:	EX7BS73	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS74	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	68.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Channel Link: EX7BS74A_S78A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	9.64 ft	Invert:	6.14 ft
From Node:	EX7BS74A	Manning's N:	0.0600	Manning's N:	0.0600
To Node:	EX7BS78A	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	0.00 ft	Bottom Width:	4.00 ft
Length:	1100.00 ft	Left Slope:	2.000 (h:v)	Left Slope:	2.000 (h:v)
Contraction Coef:	0.10	Right Slope:	10.000 (h:v)	Right Slope:	2.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0600	Manning's N:	0.0600
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft

		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0600	Manning's N:	0.0600

Comment:

Pipe Link: EX7BS74_S74A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	21.54 ft	Invert:	10.27 ft
From Node:	EX7BS74	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS74A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	35.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING PIPE TO REMAIN

Pipe Link: EX7BS75_PND7B1		Upstream		Downstream	
Scenario:	Icpr3	Invert:	7.44 ft	Invert:	4.44 ft
From Node:	EX7BS75	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 7B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	80.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: EX7BS76_S75		Upstream		Downstream	
Scenario:	Icpr3	Invert:	10.93 ft	Invert:	7.46 ft
From Node:	EX7BS76	Manning's N:	0.0120	Manning's N:	0.0120

To Node:	EX7BS75	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	64.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: EX7BS77_PND7B1		Upstream		Downstream	
Scenario:	Icpr3	Invert:	5.63 ft	Invert:	5.44 ft
From Node:	EX7BS77	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 7B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	72.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING PIPE

Pipe Link: EX7BS78A_S78		Upstream		Downstream	
Scenario:	Icpr3	Invert:	6.14 ft	Invert:	6.14 ft
From Node:	EX7BS78A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS78	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

		Manning's N:	0.0120	Manning's N:	0.0120

Comment: PROPOSED PIPE

Pipe Link: EX7BS78_S77		Upstream		Downstream	
Scenario:	Icpr3	Invert:	6.13 ft	Invert:	5.62 ft
From Node:	EX7BS78	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS77	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	63.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING PIPE

Pipe Link: EX7BS81_S82		Upstream		Downstream	
Scenario:	Icpr3	Invert:	5.24 ft	Invert:	5.04 ft
From Node:	EX7BS81	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS82	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	190.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING SIDEDRAIN PIPE TO REMAIN

Pipe Link: EX7BS82_POND7B2		Upstream		Downstream	
Scenario:	Icpr3	Invert:	5.27 ft	Invert:	4.63 ft
From Node:	EX7BS82	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 7B2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft

Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	182.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: EX7BS83A_S83		Upstream		Downstream	
Scenario:	Icpr3	Invert:	8.15 ft	Invert:	7.40 ft
From Node:	EX7BS83A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS83	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	8.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: EX7BS83_PND7B2		Upstream		Downstream	
Scenario:	Icpr3	Invert:	6.44 ft	Invert:	4.44 ft
From Node:	EX7BS83	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 7B2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	14.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: EX7BS84_PND7B2		Upstream		Downstream	
Scenario:	Icpr3	Invert:	12.94 ft	Invert:	4.44 ft
From Node:	EX7BS84	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 7B2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	28.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: EX7BS85A_S83A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	12.54 ft	Invert:	8.40 ft
From Node:	EX7BS85A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS83A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	73.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: EX7BS85_S85A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	17.04 ft	Invert:	15.66 ft
From Node:	EX7BS85	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS85A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	154.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: EX7BS86A_S87		Upstream		Downstream	
Scenario:	Icpr3	Invert:	22.06 ft	Invert:	20.38 ft
From Node:	EX7BS86A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS87	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: EX7BS86_S86A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	22.54 ft	Invert:	22.44 ft
From Node:	EX7BS86	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS86A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: EX7BS87_S06		Upstream		Downstream	
Scenario:	Icpr3	Invert:	20.13 ft	Invert:	3.80 ft

From Node:	EX7BS87	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS06	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	53.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: EX7BS88_S87		Upstream		Downstream	
Scenario:	Icpr3	Invert:	23.94 ft	Invert:	20.94 ft
From Node:	EX7BS88	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS87	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	296.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Weir Link: EXCS7BS05_WEIR1			
Scenario:	Icpr3	Bottom Clip	
From Node:	POND 7B2	Default:	0.00 ft
To Node:	EX7BS05	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.94 ft	Discharge Coefficients	
Control Elevation:	5.94 ft	Weir Default:	3.200
Max Depth:	2.00 ft	Weir Table:	
Max Width:	5.00 ft	Orifice Default:	0.600

Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: PND7B1_S02		Upstream		Downstream	
Scenario:	Icpr3	Invert:	4.44 ft	Invert:	4.44 ft
From Node:	POND 7B1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS02	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	60.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING PIPE TO REMAIN

Weir Link: POND7B2_WEIR			
Scenario:	Icpr3	Bottom Clip	
From Node:	POND 7B1	Default:	0.00 ft
To Node:	POND 7B2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	8.64 ft	Discharge Coefficients	
Control Elevation:	8.64 ft	Weir Default:	3.200
Max Depth:	999.00 ft	Weir Table:	
Max Width:	10.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Channel Link: SWL7B1_PND7B1		Upstream		Downstream	
Scenario:	Icpr3	Invert:	8.74 ft	Invert:	8.64 ft
From Node:	SWALE 7B1	Manning's N:	0.0600	Manning's N:	0.0600
To Node:	POND 7B1	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft

Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	0.50 ft	Bottom Width:	0.50 ft
Length:	550.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	8.000 (h:v)
Contraction Coef:	0.10	Right Slope:	10.000 (h:v)	Right Slope:	8.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0600	Manning's N:	0.0600
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0600	Manning's N:	0.0600

Comment:

Simulation: 100YR-1HR

Scenario: Icpr3
Run Date/Time: 8/21/2019 4:12:19 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Fdot-1
Rainfall Amount: 5.10 in
Storm Duration: 1.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 100YR-24HR

Scenario: Icpr3
Run Date/Time: 8/21/2019 4:15:19 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set: 100YR-24HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Fdot-24
		Rainfall Amount:	13.44 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-1HR

Scenario: Icpr3
Run Date/Time: 8/21/2019 4:20:28 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Fdot-1
Rainfall Amount: 3.55 in
Storm Duration: 1.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 10YR-24HR

Scenario: Icpr3
Run Date/Time: 8/21/2019 4:22:45 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set: 10YR-24HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Fdot-24
		Rainfall Amount:	8.88 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25YR-72HR

Scenario:	Icpr3
Run Date/Time:	8/21/2019 4:27:48 PM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set: 25YR-72HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Sfwmd72
Rainfall Amount: 14.00 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

SFWMD DESIGN STORM

Node Max Conditions [Icpr3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX7BFLUME	100YR-1HR	10.44	9.33	0.0010	8.32	6.97	3915
EX7BS02	100YR-1HR	9.44	7.55	0.0010	12.20	12.20	184
EX7BS03	100YR-1HR	9.44	7.18	0.0010	12.20	12.21	174
EX7BS05	100YR-1HR	10.44	5.94	0.0010	17.98	17.98	229
EX7BS06	100YR-1HR	8.44	5.86	0.0010	23.62	23.61	217
EX7BS07	100YR-1HR	8.54	5.55	0.0005	23.61	23.60	505
EX7BS08	100YR-1HR	6.44	4.08	0.0005	24.04	24.03	476
EX7BS09	100YR-1HR	5.44	3.87	0.0005	24.03	24.03	447
EX7BS10	100YR-1HR	4.44	1.94	0.0168	24.03	33.53	270
EX7BS71	100YR-1HR	41.41	39.35	0.0012	9.10	9.08	122
EX7BS72	100YR-1HR	41.49	40.28	0.0005	4.24	4.23	113
EX7BS73	100YR-1HR	26.97	28.66	0.0012	9.23	9.06	113
EX7BS74	100YR-1HR	26.64	27.01	0.0010	13.58	13.52	113
EX7BS74A	100YR-1HR	13.44	11.05	0.0006	15.82	14.14	10076
EX7BS75	100YR-1HR	12.51	10.47	0.0011	12.72	12.70	113
EX7BS76	100YR-1HR	12.53	12.33	0.0012	4.71	4.70	113
EX7BS77	100YR-1HR	9.34	8.39	0.0010	16.75	16.77	209
EX7BS78	100YR-1HR	9.39	8.77	0.0010	15.03	15.03	113
EX7BS78A	100YR-1HR	10.44	9.32	0.0010	21.04	12.16	14379
EX7BS81	100YR-1HR	10.44	8.44	0.0111	10.20	12.55	190
EX7BS82	100YR-1HR	10.44	8.02	0.0063	15.57	15.80	683
EX7BS83	100YR-1HR	13.79	7.57	0.0003	4.46	4.46	113
EX7BS83A	100YR-1HR	14.02	9.05	0.0003	2.58	2.58	113
EX7BS84	100YR-1HR	20.68	13.81	0.0010	3.45	3.45	113
EX7BS85	100YR-1HR	20.73	17.90	0.0005	2.59	2.59	119
EX7BS85A	100YR-1HR	16.41	13.45	0.0004	2.59	2.58	159
EX7BS86	100YR-1HR	27.11	25.49	0.0007	6.20	6.03	113
EX7BS86A	100YR-1HR	26.55	25.19	0.0009	6.03	6.00	113
EX7BS87	100YR-1HR	25.65	24.63	0.0010	12.10	12.08	257
EX7BS88	100YR-1HR	30.49	24.90	0.0007	2.98	2.98	226
PATRICIA LAKE	100YR-1HR	4.44	1.44	0.0000	33.53	0.00	0
POND 7B1	100YR-1HR	8.94	7.83	0.0024	83.07	12.20	70557
POND 7B2	100YR-1HR	7.94	7.02	0.0010	29.63	17.93	20250
SWALE 7B1	100YR-1HR	12.44	10.22	0.0005	10.63	9.15	8668
EX7BFLUME	100YR-24HR	10.44	8.35	0.0007	1.43	1.08	2860
EX7BS02	100YR-24HR	9.44	7.81	0.0010	13.30	13.30	184
EX7BS03	100YR-24HR	9.44	7.29	0.0010	13.30	13.31	174
EX7BS05	100YR-24HR	10.44	5.90	0.0009	17.19	17.19	226
EX7BS06	100YR-24HR	8.44	5.62	0.0010	19.30	19.30	216
EX7BS07	100YR-24HR	8.54	5.32	0.0006	19.30	19.30	505
EX7BS08	100YR-24HR	6.44	3.84	0.0009	19.55	19.55	476
EX7BS09	100YR-24HR	5.44	3.63	0.0006	19.55	19.55	419
EX7BS10	100YR-24HR	4.44	2.80	0.0168	19.55	33.53	270
EX7BS71	100YR-24HR	41.41	37.08	0.0010	1.66	1.66	121
EX7BS72	100YR-24HR	41.49	39.42	0.0004	0.73	0.73	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX7BS73	100YR-24HR	26.97	22.75	0.0010	1.79	1.79	113
EX7BS74	100YR-24HR	26.64	22.32	0.0010	2.59	2.59	113
EX7BS74A	100YR-24HR	13.44	10.46	0.0003	3.60	3.52	6512
EX7BS75	100YR-24HR	12.51	8.21	0.0010	2.23	2.23	113
EX7BS76	100YR-24HR	12.53	11.39	0.0010	0.81	0.81	113
EX7BS77	100YR-24HR	9.34	8.25	0.0010	6.37	6.33	189
EX7BS78	100YR-24HR	9.39	8.29	0.0010	5.69	5.72	113
EX7BS78A	100YR-24HR	10.44	8.35	0.0008	5.76	4.60	10579
EX7BS81	100YR-24HR	10.44	7.44	0.0111	1.76	12.55	190
EX7BS82	100YR-24HR	10.44	7.03	0.0063	12.55	3.13	552
EX7BS83	100YR-24HR	13.79	7.00	0.0010	0.77	0.77	113
EX7BS83A	100YR-24HR	14.02	8.46	0.0003	0.45	0.45	113
EX7BS84	100YR-24HR	20.68	13.17	0.0010	0.59	0.59	113
EX7BS85	100YR-24HR	20.73	17.37	0.0003	0.45	0.45	113
EX7BS85A	100YR-24HR	16.41	12.86	0.0005	0.45	0.45	126
EX7BS86	100YR-24HR	27.11	23.10	0.0006	1.07	1.07	113
EX7BS86A	100YR-24HR	26.55	22.60	0.0005	1.07	1.07	113
EX7BS87	100YR-24HR	25.65	20.82	0.0010	2.15	2.15	226
EX7BS88	100YR-24HR	30.49	24.29	0.0004	0.51	0.51	186
PATRICIA LAKE	100YR-24HR	4.44	2.64	0.0002	33.53	0.01	0
POND 7B1	100YR-24HR	8.94	8.15	0.0024	20.01	13.30	73660
POND 7B2	100YR-24HR	7.94	6.99	0.0010	17.53	17.14	20166
SWALE 7B1	100YR-24HR	12.44	9.72	0.0010	2.37	2.72	5699
EX7BFLUME	10YR-1HR	10.44	8.41	0.0009	5.72	5.24	2914
EX7BS02	10YR-1HR	9.44	6.83	0.0010	7.43	7.43	184
EX7BS03	10YR-1HR	9.44	6.68	0.0010	7.43	7.43	174
EX7BS05	10YR-1HR	10.44	5.33	0.0008	8.37	8.37	187
EX7BS06	10YR-1HR	8.44	5.03	0.0010	9.83	9.83	211
EX7BS07	10YR-1HR	8.54	4.73	0.0005	9.83	9.83	488
EX7BS08	10YR-1HR	6.44	3.24	0.0004	9.94	9.94	460
EX7BS09	10YR-1HR	5.44	3.04	0.0005	9.94	9.94	446
EX7BS10	10YR-1HR	4.44	1.94	0.0168	9.94	33.53	270
EX7BS71	10YR-1HR	41.41	38.14	0.0010	6.05	6.05	122
EX7BS72	10YR-1HR	41.49	39.98	0.0005	2.91	2.91	113
EX7BS73	10YR-1HR	26.97	25.00	0.0011	5.92	5.87	113
EX7BS74	10YR-1HR	26.64	24.30	0.0010	8.99	8.97	113
EX7BS74A	10YR-1HR	13.44	10.78	0.0005	9.75	8.85	7925
EX7BS75	10YR-1HR	12.51	9.37	0.0010	8.66	8.65	113
EX7BS76	10YR-1HR	12.53	11.99	0.0011	3.24	3.23	113
EX7BS77	10YR-1HR	9.34	7.86	0.0010	12.02	12.01	209
EX7BS78	10YR-1HR	9.39	8.09	0.0010	10.99	11.01	113
EX7BS78A	10YR-1HR	10.44	8.38	0.0010	13.97	9.66	11038
EX7BS81	10YR-1HR	10.44	7.44	0.0111	7.01	12.55	190
EX7BS82	10YR-1HR	10.44	7.03	0.0063	12.55	10.13	682
EX7BS83	10YR-1HR	13.79	7.32	0.0009	3.06	3.06	113
EX7BS83A	10YR-1HR	14.02	8.85	0.0003	1.78	1.78	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX7BS84	10YR-1HR	20.68	13.61	0.0010	2.37	2.37	113
EX7BS85	10YR-1HR	20.73	17.73	0.0006	1.78	1.78	118
EX7BS85A	10YR-1HR	16.41	13.26	0.0004	1.78	1.78	156
EX7BS86	10YR-1HR	27.11	23.86	0.0009	4.26	4.26	113
EX7BS86A	10YR-1HR	26.55	23.37	0.0006	4.26	4.25	113
EX7BS87	10YR-1HR	25.65	22.70	0.0010	8.56	8.54	255
EX7BS88	10YR-1HR	30.49	24.69	0.0006	2.05	2.05	225
PATRICIA LAKE	10YR-1HR	4.44	1.44	0.0000	33.53	0.00	0
POND 7B1	10YR-1HR	8.94	6.94	0.0024	54.68	7.43	62036
POND 7B2	10YR-1HR	7.94	6.59	0.0010	19.23	8.36	19213
SWALE 7B1	10YR-1HR	12.44	9.98	0.0005	6.57	5.44	7230
EX7BFLUME	10YR-24HR	10.44	7.47	0.0002	0.95	0.89	2165
EX7BS02	10YR-24HR	9.44	7.11	0.0010	8.94	8.94	184
EX7BS03	10YR-24HR	9.44	6.88	0.0010	8.94	8.94	174
EX7BS05	10YR-24HR	10.44	5.54	0.0007	11.43	11.43	203
EX7BS06	10YR-24HR	8.44	5.22	0.0010	12.53	12.53	205
EX7BS07	10YR-24HR	8.54	4.92	0.0007	12.53	12.53	499
EX7BS08	10YR-24HR	6.44	3.43	0.0007	12.65	12.65	470
EX7BS09	10YR-24HR	5.44	3.22	0.0006	12.65	12.65	411
EX7BS10	10YR-24HR	4.44	2.71	0.0168	12.65	33.53	270
EX7BS71	10YR-24HR	41.41	36.93	0.0010	1.09	1.09	119
EX7BS72	10YR-24HR	41.49	39.33	0.0004	0.48	0.48	113
EX7BS73	10YR-24HR	26.97	22.59	0.0010	1.16	1.16	113
EX7BS74	10YR-24HR	26.64	22.11	0.0010	1.69	1.69	113
EX7BS74A	10YR-24HR	13.44	10.29	0.0002	2.18	2.15	4771
EX7BS75	10YR-24HR	12.51	8.05	0.0010	1.47	1.47	113
EX7BS76	10YR-24HR	12.53	11.29	0.0010	0.54	0.54	113
EX7BS77	10YR-24HR	9.34	7.31	0.0010	4.61	4.38	185
EX7BS78	10YR-24HR	9.39	7.33	0.0010	3.95	4.17	113
EX7BS78A	10YR-24HR	10.44	7.36	0.0005	3.59	3.19	7198
EX7BS81	10YR-24HR	10.44	7.44	0.0111	1.16	12.55	190
EX7BS82	10YR-24HR	10.44	6.75	0.0063	12.55	1.93	552
EX7BS83	10YR-24HR	13.79	6.76	0.0010	0.51	0.51	113
EX7BS83A	10YR-24HR	14.02	8.39	0.0002	0.29	0.29	113
EX7BS84	10YR-24HR	20.68	13.11	0.0010	0.39	0.41	113
EX7BS85	10YR-24HR	20.73	17.30	0.0009	0.29	0.29	113
EX7BS85A	10YR-24HR	16.41	12.80	0.0008	0.29	0.29	116
EX7BS86	10YR-24HR	27.11	22.98	0.0005	0.70	0.70	113
EX7BS86A	10YR-24HR	26.55	22.49	0.0006	0.70	0.70	113
EX7BS87	10YR-24HR	25.65	20.63	0.0010	1.42	1.42	209
EX7BS88	10YR-24HR	30.49	24.22	0.0005	0.34	0.34	171
PATRICIA LAKE	10YR-24HR	4.44	2.64	0.0003	33.53	0.04	0
POND 7B1	10YR-24HR	8.94	7.27	0.0024	13.17	8.94	65164
POND 7B2	10YR-24HR	7.94	6.74	0.0010	11.55	11.41	19545
SWALE 7B1	10YR-24HR	12.44	9.72	0.0010	1.44	2.72	5699

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX7BFLUME	25YR-72HR	10.44	10.18	0.0010	6.56	2.86	4835
EX7BS02	25YR-72HR	9.44	8.66	0.0010	15.58	15.59	184
EX7BS03	25YR-72HR	9.44	8.02	0.0010	15.59	15.60	174
EX7BS05	25YR-72HR	10.44	6.73	0.0004	31.15	31.15	268
EX7BS06	25YR-72HR	8.44	6.60	0.0009	38.50	38.50	219
EX7BS07	25YR-72HR	8.54	6.30	0.0006	38.50	38.49	505
EX7BS08	25YR-72HR	6.44	4.94	0.0008	39.60	39.57	475
EX7BS09	25YR-72HR	5.44	4.69	0.0007	39.57	39.57	396
EX7BS10	25YR-72HR	4.44	4.28	0.0168	39.57	39.57	270
EX7BS71	25YR-72HR	41.41	38.71	0.0010	7.63	7.62	122
EX7BS72	25YR-72HR	41.49	40.08	0.0005	3.34	3.34	113
EX7BS73	25YR-72HR	26.97	27.16	0.0010	8.27	8.16	113
EX7BS74	25YR-72HR	26.64	25.82	0.0010	11.79	11.75	113
EX7BS74A	25YR-72HR	13.44	11.15	0.0006	17.02	14.87	11142
EX7BS75	25YR-72HR	12.51	9.74	0.0010	10.20	10.19	113
EX7BS76	25YR-72HR	12.53	12.10	0.0010	3.71	3.71	113
EX7BS77	25YR-72HR	9.34	9.59	0.0010	13.93	13.83	139
EX7BS78	25YR-72HR	9.39	9.83	0.0010	11.45	11.41	113
EX7BS78A	25YR-72HR	10.44	10.17	0.0010	22.59	9.74	17196
EX7BS81	25YR-72HR	10.44	8.89	0.0111	8.05	12.55	190
EX7BS82	25YR-72HR	10.44	8.64	0.0063	14.64	14.47	552
EX7BS83	25YR-72HR	13.79	7.69	0.0010	3.52	3.46	113
EX7BS83A	25YR-72HR	14.02	8.92	0.0004	2.04	2.04	113
EX7BS84	25YR-72HR	20.68	13.67	0.0010	2.72	2.72	113
EX7BS85	25YR-72HR	20.73	17.79	0.0003	2.04	2.04	119
EX7BS85A	25YR-72HR	16.41	13.33	0.0004	2.04	2.04	158
EX7BS86	25YR-72HR	27.11	24.00	0.0006	4.89	4.88	113
EX7BS86A	25YR-72HR	26.55	23.65	0.0006	4.88	4.85	113
EX7BS87	25YR-72HR	25.65	23.29	0.0010	9.77	9.75	249
EX7BS88	25YR-72HR	30.49	24.75	0.0003	2.35	2.35	225
PATRICIA LAKE	25YR-72HR	4.44	3.60	0.0002	39.57	0.08	0
POND 7B1	25YR-72HR	8.94	9.09	0.0024	75.51	24.50	78015
POND 7B2	25YR-72HR	7.94	7.64	0.0010	36.91	31.08	21867
SWALE 7B1	25YR-72HR	12.44	10.28	0.0010	11.32	10.21	9009

Link Min/Max Conditions [Icpr3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX7BFLUME_S78A	100YR-1HR	6.97	0.00	-0.02	0.85	1.66	1.05
EX7BS02_S03	100YR-1HR	12.20	-2.53	1.22	3.88	3.88	3.88
EX7BS03_PND7B2	100YR-1HR	12.21	-2.75	-1.00	3.89	3.89	3.89
EX7BS05_S06	100YR-1HR	17.98	-0.25	1.14	3.60	3.32	3.40
EX7BS05_WEIR2	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7BS06_S07	100YR-1HR	23.61	0.00	0.02	3.88	3.89	3.89
EX7BS07_S08	100YR-1HR	23.60	0.00	0.02	3.89	3.83	3.86
EX7BS08_S09	100YR-1HR	24.03	0.00	-0.01	3.90	3.92	3.91
EX7BS09_S10	100YR-1HR	24.03	0.00	0.05	3.92	2.50	3.21
EX7BS10_PL	100YR-1HR	33.53	0.00	-2.15	3.49	3.49	3.49
EX7BS71_SWL7B1	100YR-1HR	9.08	0.00	0.05	7.40	22.02	14.32
EX7BS72_S71	100YR-1HR	4.23	0.00	0.01	3.45	9.63	6.36
EX7BS73_S74	100YR-1HR	9.06	0.00	0.01	7.38	7.38	7.38
EX7BS74A_S78A	100YR-1HR	14.14	0.00	-0.01	1.22	0.95	1.01
EX7BS74_S74A	100YR-1HR	13.52	0.00	0.10	11.02	29.28	20.15
EX7BS75_PND7B1	100YR-1HR	12.70	0.00	-0.02	7.19	12.91	10.05
EX7BS76_S75	100YR-1HR	4.70	0.00	0.00	3.83	10.76	6.94
EX7BS77_PND7B1	100YR-1HR	16.77	0.00	0.63	5.34	6.62	5.86
EX7BS78A_S78	100YR-1HR	12.16	-2.39	-0.30	6.88	6.88	6.88
EX7BS78_S77	100YR-1HR	15.03	0.00	1.45	4.78	4.78	4.78
EX7BS81_S82	100YR-1HR	12.55	0.00	0.64	3.99	5.97	4.97
EX7BS82_PND7B2	100YR-1HR	15.80	0.00	-0.27	5.03	6.55	5.74
EX7BS83A_S83	100YR-1HR	2.58	0.00	0.01	2.74	11.79	7.27
EX7BS83_PND7B2	100YR-1HR	4.46	0.00	0.02	3.13	15.73	9.43
EX7BS84_PND7B2	100YR-1HR	3.45	0.00	0.20	5.12	19.02	11.14
EX7BS85A_S83A	100YR-1HR	2.58	0.00	0.00	2.69	9.86	6.27
EX7BS85_S85A	100YR-1HR	2.59	0.00	0.01	2.49	5.01	3.75
EX7BS86A_S87	100YR-1HR	6.00	0.00	0.01	4.89	9.30	6.19
EX7BS86_S86A	100YR-1HR	6.03	0.00	0.01	4.92	4.92	4.92

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX7BS87_S06	100YR-1HR	12.08	0.00	0.09	9.84	25.95	16.74
EX7BS88_S87	100YR-1HR	2.98	0.00	0.01	2.59	4.23	3.13
EXCS7BS05_WEIR1	100YR-1HR	17.93	0.00	0.01	3.32	3.32	3.32
PND7B1_S02	100YR-1HR	12.20	-2.30	-0.91	3.88	3.88	3.88
POND7B2_WEIR	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
SWL7B1_PND7B1	100YR-1HR	9.15	0.00	-0.01	0.57	3.14	1.85
EX7BFLUME_S78A	100YR-24HR	1.08	0.00	-0.02	0.40	0.50	0.34
EX7BS02_S03	100YR-24HR	13.30	-0.14	1.28	4.23	4.23	4.23
EX7BS03_PND7B2	100YR-24HR	13.31	-0.15	-1.06	4.24	4.24	4.24
EX7BS05_S06	100YR-24HR	17.19	0.00	0.02	3.55	3.35	3.44
EX7BS05_WEIR2	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7BS06_S07	100YR-24HR	19.30	0.00	0.02	3.66	3.67	3.66
EX7BS07_S08	100YR-24HR	19.30	0.00	-0.02	3.66	3.63	3.65
EX7BS08_S09	100YR-24HR	19.55	0.00	0.03	3.68	3.69	3.68
EX7BS09_S10	100YR-24HR	19.55	0.00	0.37	3.69	2.03	2.86
EX7BS10_PL	100YR-24HR	33.53	-0.01	-2.09	3.49	3.49	3.49
EX7BS71_SWL7B1	100YR-24HR	1.66	0.00	0.05	3.41	13.90	8.33
EX7BS72_S71	100YR-24HR	0.73	0.00	-0.01	1.91	4.18	2.82
EX7BS73_S74	100YR-24HR	1.79	0.00	0.01	2.32	2.93	2.63
EX7BS74A_S78A	100YR-24HR	3.52	0.00	0.00	0.88	0.32	0.57
EX7BS74_S74A	100YR-24HR	2.59	0.00	0.10	5.24	18.25	10.73
EX7BS75_PND7B1	100YR-24HR	2.23	0.00	0.01	2.44	5.44	3.61
EX7BS76_S75	100YR-24HR	0.81	0.00	0.00	2.00	1.06	1.53
EX7BS77_PND7B1	100YR-24HR	6.33	0.00	-0.30	2.24	3.46	2.74
EX7BS78A_S78	100YR-24HR	4.60	-0.06	-0.17	2.61	2.62	2.61
EX7BS78_S77	100YR-24HR	5.72	0.00	1.17	2.60	2.00	2.12
EX7BS81_S82	100YR-24HR	12.55	0.00	-1.05	3.99	5.97	4.97
EX7BS82_PND7B2	100YR-24HR	3.13	0.00	0.32	1.78	2.36	2.00
EX7BS83A_S83	100YR-24HR	0.45	0.00	0.01	1.93	7.00	4.46
EX7BS83_PND7B2	100YR-24HR	0.77	0.00	0.10	2.40	0.85	1.51
EX7BS84_PND7B2	100YR-24HR	0.59	0.00	-0.16	5.13	0.67	2.65

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX7BS85A_S83A	100YR-24HR	0.45	0.00	0.00	1.77	5.87	3.82
EX7BS85_S85A	100YR-24HR	0.45	0.00	0.01	1.56	3.00	2.28
EX7BS86A_S87	100YR-24HR	1.07	0.00	-0.01	2.09	6.52	4.30
EX7BS86_S86A	100YR-24HR	1.07	0.00	0.01	2.02	3.87	2.89
EX7BS87_S06	100YR-24HR	2.15	0.00	-0.13	5.00	17.00	10.05
EX7BS88_S87	100YR-24HR	0.51	0.00	-0.01	1.62	3.27	2.44
EXCS7BS05_WEIR1	100YR-24HR	17.14	0.00	0.01	3.27	3.27	3.27
PND7B1_S02	100YR-24HR	13.30	-0.13	-0.96	4.23	4.23	4.23
POND7B2_WEIR	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
SWL7B1_PND7B1	100YR-24HR	2.72	0.00	0.00	0.38	2.42	1.40
EX7BFLUME_S78A	10YR-1HR	5.24	0.00	-0.01	0.79	1.56	0.98
EX7BS02_S03	10YR-1HR	7.43	-1.55	1.23	2.37	2.37	2.37
EX7BS03_PND7B2	10YR-1HR	7.43	-1.73	-1.01	2.37	2.37	2.37
EX7BS05_S06	10YR-1HR	8.37	-0.21	0.07	2.92	2.86	2.87
EX7BS05_WEIR2	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7BS06_S07	10YR-1HR	9.83	0.00	0.02	3.04	3.04	3.04
EX7BS07_S08	10YR-1HR	9.83	0.00	0.02	3.04	3.01	3.03
EX7BS08_S09	10YR-1HR	9.94	0.00	0.01	3.05	3.07	3.06
EX7BS09_S10	10YR-1HR	9.94	0.00	0.05	3.07	1.03	2.05
EX7BS10_PL	10YR-1HR	33.53	0.00	-2.24	3.49	3.49	3.49
EX7BS71_SWL7B1	10YR-1HR	6.05	0.00	0.05	4.93	20.26	12.59
EX7BS72_S71	10YR-1HR	2.91	0.00	0.01	2.77	6.77	4.44
EX7BS73_S74	10YR-1HR	5.87	0.00	-0.01	4.79	4.79	4.79
EX7BS74A_S78A	10YR-1HR	8.85	0.00	-0.01	1.13	0.86	0.93
EX7BS74_S74A	10YR-1HR	8.97	0.00	0.10	7.31	26.15	16.73
EX7BS75_PND7B1	10YR-1HR	8.65	0.00	0.01	4.90	11.72	8.31
EX7BS76_S75	10YR-1HR	3.23	0.00	0.00	2.90	10.34	6.62
EX7BS77_PND7B1	10YR-1HR	12.01	0.00	-0.47	3.82	5.88	4.84
EX7BS78A_S78	10YR-1HR	9.66	-1.83	-0.06	5.47	5.47	5.47
EX7BS78_S77	10YR-1HR	11.01	0.00	0.63	3.66	3.56	3.55
EX7BS81_S82	10YR-1HR	12.55	0.00	-0.52	3.99	5.97	4.97

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX7BS82_PND7B2	10YR-1HR	10.13	0.00	0.23	3.49	5.49	4.47
EX7BS83A_S83	10YR-1HR	1.78	0.00	0.01	2.50	10.57	6.53
EX7BS83_PND7B2	10YR-1HR	3.06	0.00	0.04	2.85	14.09	8.47
EX7BS84_PND7B2	10YR-1HR	2.37	0.00	0.20	5.12	17.01	10.07
EX7BS85A_S83A	10YR-1HR	1.78	0.00	0.00	2.42	8.85	5.63
EX7BS85_S85A	10YR-1HR	1.78	0.00	0.01	2.24	4.51	3.37
EX7BS86A_S87	10YR-1HR	4.25	0.00	0.01	3.47	9.30	6.18
EX7BS86_S86A	10YR-1HR	4.26	0.00	0.01	3.47	4.15	3.81
EX7BS87_S06	10YR-1HR	8.54	0.00	0.09	6.96	25.39	16.17
EX7BS88_S87	10YR-1HR	2.05	0.00	0.01	2.33	4.20	3.11
EXCS7BS05_WEIR1	10YR-1HR	8.36	0.00	0.01	2.58	2.58	2.58
PND7B1_S02	10YR-1HR	7.43	-1.35	0.91	2.36	2.36	2.36
POND7B2_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
SWL7B1_PND7B1	10YR-1HR	5.44	0.00	-0.01	0.48	2.87	1.68
EX7BFLUME_S78A	10YR-24HR	0.89	0.00	0.00	0.39	0.41	0.29
EX7BS02_S03	10YR-24HR	8.94	-0.10	1.24	2.85	2.85	2.85
EX7BS03_PND7B2	10YR-24HR	8.94	-0.10	-1.04	2.85	2.85	2.85
EX7BS05_S06	10YR-24HR	11.43	0.00	0.02	3.17	2.99	3.08
EX7BS05_WEIR2	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7BS06_S07	10YR-24HR	12.53	0.00	0.02	3.25	3.25	3.25
EX7BS07_S08	10YR-24HR	12.53	0.00	0.02	3.25	3.22	3.24
EX7BS08_S09	10YR-24HR	12.65	0.00	-0.05	3.26	3.27	3.26
EX7BS09_S10	10YR-24HR	12.65	0.00	0.53	3.27	1.32	2.29
EX7BS10_PL	10YR-24HR	33.53	-0.04	-2.12	3.49	3.49	3.49
EX7BS71_SWL7B1	10YR-24HR	1.09	0.00	0.10	3.43	12.25	7.45
EX7BS72_S71	10YR-24HR	0.48	0.00	-0.01	1.74	1.17	1.44
EX7BS73_S74	10YR-24HR	1.16	0.00	0.01	2.05	2.91	2.41
EX7BS74A_S78A	10YR-24HR	2.15	0.00	0.00	0.84	0.32	0.58
EX7BS74_S74A	10YR-24HR	1.69	0.00	-0.14	5.24	16.07	9.59
EX7BS75_PN	10YR-24HR	1.47	0.00	0.01	2.19	4.77	3.19

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D7B1							
EX7BS76_S75	10YR-24HR	0.54	0.00	0.00	1.83	0.95	1.39
EX7BS77_PND7B1	10YR-24HR	4.38	0.00	0.18	2.14	3.10	2.47
EX7BS78A_S78	10YR-24HR	3.19	-0.04	0.15	2.29	2.53	2.41
EX7BS78_S77	10YR-24HR	4.17	0.00	-0.79	2.57	1.89	2.06
EX7BS81_S82	10YR-24HR	12.55	0.00	0.77	3.99	5.97	4.97
EX7BS82_PND7B2	10YR-24HR	1.93	0.00	0.37	1.72	2.18	1.95
EX7BS83A_S83	10YR-24HR	0.29	0.00	-0.01	1.83	0.00	0.91
EX7BS83_PND7B2	10YR-24HR	0.51	0.00	0.04	2.40	0.77	1.55
EX7BS84_PND7B2	10YR-24HR	0.41	0.00	0.20	5.13	0.61	2.64
EX7BS85A_S83A	10YR-24HR	0.29	0.00	0.00	1.64	5.18	3.41
EX7BS85_S85A	10YR-24HR	0.29	0.00	-0.01	1.48	2.65	2.03
EX7BS86A_S87	10YR-24HR	0.70	0.00	0.01	1.89	5.77	3.83
EX7BS86_S86A	10YR-24HR	0.70	0.00	-0.01	1.81	3.65	2.73
EX7BS87_S06	10YR-24HR	1.42	0.00	0.09	4.99	12.87	8.00
EX7BS88_S87	10YR-24HR	0.34	0.00	-0.01	1.48	2.89	2.17
EXCS7BS05_WEIR1	10YR-24HR	11.41	0.00	0.01	2.86	2.86	2.86
PND7B1_S02	10YR-24HR	8.94	-0.09	-0.94	2.85	2.85	2.85
POND7B2_WEIR	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
SWL7B1_PND7B1	10YR-24HR	2.72	0.00	0.00	0.38	2.42	1.40
EX7BFLUME_S78A	25YR-72HR	2.86	0.00	-0.03	0.48	0.24	0.36
EX7BS02_S03	25YR-72HR	15.59	-0.02	1.26	4.96	4.96	4.96
EX7BS03_PND7B2	25YR-72HR	15.60	-0.03	-1.05	4.96	4.96	4.96
EX7BS05_S06	25YR-72HR	31.15	0.00	0.03	4.24	4.05	4.14
EX7BS05_WEIR2	25YR-72HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7BS06_S07	25YR-72HR	38.50	0.00	0.02	4.57	4.57	4.57
EX7BS07_S08	25YR-72HR	38.49	0.00	0.02	4.57	4.38	4.47
EX7BS08_S09	25YR-72HR	39.57	0.00	1.15	4.50	4.58	4.54
EX7BS09_S10	25YR-72HR	39.57	-0.01	3.24	4.58	4.11	4.35
EX7BS10_PL	25YR-72HR	39.57	-0.08	2.41	4.11	4.11	4.11
EX7BS71_SW	25YR-72HR	7.62	0.00	0.10	6.21	19.81	12.18

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L7B1							
EX7BS72_S71	25YR-72HR	3.34	0.00	-0.01	2.93	9.37	6.15
EX7BS73_S74	25YR-72HR	8.16	0.00	-0.01	6.65	6.65	6.65
EX7BS74A_S78A	25YR-72HR	14.87	0.00	-0.01	1.18	0.65	0.90
EX7BS74_S74A	25YR-72HR	11.75	0.00	0.20	9.57	28.18	18.88
EX7BS75_PND7B1	25YR-72HR	10.19	0.00	-0.01	5.76	10.51	6.93
EX7BS76_S75	25YR-72HR	3.71	0.00	0.00	3.10	10.75	6.93
EX7BS77_PND7B1	25YR-72HR	13.83	0.00	0.23	4.40	4.40	4.40
EX7BS78A_S78	25YR-72HR	9.74	0.00	-0.20	5.51	5.51	5.51
EX7BS78_S77	25YR-72HR	11.41	0.00	-1.18	3.63	3.63	3.63
EX7BS81_S82	25YR-72HR	12.55	0.00	0.87	3.99	5.97	4.97
EX7BS82_PND7B2	25YR-72HR	14.47	0.00	-0.35	4.60	4.60	4.60
EX7BS83A_S83	25YR-72HR	2.04	0.00	-0.01	2.58	11.00	6.79
EX7BS83_PND7B2	25YR-72HR	3.46	0.00	-1.03	2.90	1.96	2.39
EX7BS84_PND7B2	25YR-72HR	2.72	0.00	0.15	5.13	17.72	10.45
EX7BS85A_S83A	25YR-72HR	2.04	0.00	0.00	2.51	9.21	5.86
EX7BS85_S85A	25YR-72HR	2.04	0.00	-0.01	2.33	4.69	3.51
EX7BS86A_S87	25YR-72HR	4.85	0.00	0.01	3.95	9.27	6.16
EX7BS86_S86A	25YR-72HR	4.88	0.00	0.01	3.98	4.37	4.12
EX7BS87_S06	25YR-72HR	9.75	0.00	0.19	7.94	20.82	12.20
EX7BS88_S87	25YR-72HR	2.35	0.00	0.02	2.42	4.20	3.11
EXCS7BS05_WEIR1	25YR-72HR	31.08	0.00	-0.01	3.66	3.66	3.66
PND7B1_S02	25YR-72HR	15.58	-0.02	-0.95	4.96	4.96	4.96
POND7B2_WEIR	25YR-72HR	9.68	0.00	0.01	2.15	2.15	2.15
SWL7B1_PND7B1	25YR-72HR	10.21	0.00	-0.01	0.59	3.20	1.90

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BFLUME	100YR-1HR	18690	19059	-369
EX7BFLUME	100YR-24HR	50726	50781	-56
EX7BFLUME	10YR-1HR	12746	13022	-277
EX7BFLUME	10YR-24HR	33206	33237	-32
EX7BFLUME	25YR-72HR	52877	52945	-68

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS02	100YR-1HR	171504	171267	237
EX7BS02	100YR-24HR	668663	668492	171
EX7BS02	10YR-1HR	84553	84304	249
EX7BS02	10YR-24HR	390936	390763	173
EX7BS02	25YR-72HR	657602	657534	69

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS03	100YR-1HR	171832	171615	217
EX7BS03	100YR-24HR	668591	668311	280
EX7BS03	10YR-1HR	84787	84578	209
EX7BS03	10YR-24HR	390844	390562	282
EX7BS03	25YR-72HR	657581	657168	413

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS05	100YR-1HR	209582	209574	7
EX7BS05	100YR-24HR	843367	843365	3
EX7BS05	10YR-1HR	100317	100310	7
EX7BS05	10YR-24HR	491277	491273	4
EX7BS05	25YR-72HR	884569	884565	4

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS06	100YR-1HR	237922	237936	-14

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS06	100YR-24HR	921714	921725	-11
EX7BS06	10YR-1HR	119534	119535	-1
EX7BS06	10YR-24HR	542182	542194	-12
EX7BS06	25YR-72HR	966294	966293	1

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS07	100YR-1HR	237821	237817	4
EX7BS07	100YR-24HR	921725	921723	2
EX7BS07	10YR-1HR	119441	119437	4
EX7BS07	10YR-24HR	542194	542196	-1
EX7BS07	25YR-72HR	966293	966304	-11

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS08	100YR-1HR	239271	239257	14
EX7BS08	100YR-24HR	929480	929473	7
EX7BS08	10YR-1HR	120065	120052	13
EX7BS08	10YR-24HR	546270	546261	10
EX7BS08	25YR-72HR	974534	974550	-16

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS09	100YR-1HR	239257	239297	-40
EX7BS09	100YR-24HR	929473	929500	-27
EX7BS09	10YR-1HR	120052	120093	-42
EX7BS09	10YR-24HR	546261	546305	-44
EX7BS09	25YR-72HR	974550	975035	-485

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS10	100YR-1HR	239297	239438	-141
EX7BS10	100YR-24HR	929512	929615	-103
EX7BS10	10YR-1HR	120093	120239	-146

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS10	10YR-24HR	546324	546464	-140
EX7BS10	25YR-72HR	975047	974774	273

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS71	100YR-1HR	20000	19772	228
EX7BS71	100YR-24HR	57265	57035	230
EX7BS71	10YR-1HR	13174	12946	228
EX7BS71	10YR-24HR	36840	36610	230
EX7BS71	25YR-72HR	59777	59546	230

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS72	100YR-1HR	9522	9521	0
EX7BS72	100YR-24HR	25841	25841	0
EX7BS72	10YR-1HR	6493	6493	0
EX7BS72	10YR-24HR	16916	16916	0
EX7BS72	25YR-72HR	26938	26937	0

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS73	100YR-1HR	19795	19561	234
EX7BS73	100YR-24HR	60106	59874	233
EX7BS73	10YR-1HR	12518	12284	234
EX7BS73	10YR-24HR	37956	37724	233
EX7BS73	25YR-72HR	62834	62600	234

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS74	100YR-1HR	29964	29964	0
EX7BS74	100YR-24HR	88108	88106	2
EX7BS74	10YR-1HR	19379	19378	1
EX7BS74	10YR-24HR	56206	56201	5
EX7BS74	25YR-72HR	92032	92024	7

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS74A	100YR-1HR	34508	36871	-2363
EX7BS74A	100YR-24HR	118148	118521	-372
EX7BS74A	10YR-1HR	21013	22141	-1128
EX7BS74A	10YR-24HR	70964	71054	-90
EX7BS74A	25YR-72HR	124069	126257	-2188

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS75	100YR-1HR	27974	27747	227
EX7BS75	100YR-24HR	77795	77569	226
EX7BS75	10YR-1HR	18751	18524	227
EX7BS75	10YR-24HR	50538	50312	226
EX7BS75	25YR-72HR	81143	80916	227

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS76	100YR-1HR	10579	10227	353
EX7BS76	100YR-24HR	28713	28360	353
EX7BS76	10YR-1HR	7215	6862	353
EX7BS76	10YR-24HR	18796	18443	353
EX7BS76	25YR-72HR	29931	29578	353

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS77	100YR-1HR	81156	80702	454
EX7BS77	100YR-24HR	270371	270052	319
EX7BS77	10YR-1HR	50444	50040	404
EX7BS77	10YR-24HR	163716	163403	313
EX7BS77	25YR-72HR	283760	283469	292

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS78	100YR-1HR	76254	76300	-46

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS78	100YR-24HR	248086	248110	-24
EX7BS78	10YR-1HR	47960	47971	-11
EX7BS78	10YR-24HR	150246	150268	-22
EX7BS78	25YR-72HR	260275	260291	-16

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS78A	100YR-1HR	62660	59855	2805
EX7BS78A	100YR-24HR	204072	203582	490
EX7BS78A	10YR-1HR	38249	36777	1472
EX7BS78A	10YR-24HR	121292	121112	180
EX7BS78A	25YR-72HR	216188	213883	2305

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS81	100YR-1HR	22922	23164	-242
EX7BS81	100YR-24HR	62211	62530	-319
EX7BS81	10YR-1HR	15632	15874	-243
EX7BS81	10YR-24HR	40724	41113	-389
EX7BS81	25YR-72HR	64850	65095	-245

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS82	100YR-1HR	35231	34686	545
EX7BS82	100YR-24HR	106993	106558	435
EX7BS82	10YR-1HR	23065	22588	477
EX7BS82	10YR-24HR	67049	66539	510
EX7BS82	25YR-72HR	111907	111576	331

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS83	100YR-1HR	10002	10001	0
EX7BS83	100YR-24HR	27231	27231	0
EX7BS83	10YR-1HR	6806	6805	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS83	10YR-24HR	17810	17810	0
EX7BS83	25YR-72HR	28387	28387	0

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS83A	100YR-1HR	5770	5770	0
EX7BS83A	100YR-24HR	15746	15746	0
EX7BS83A	10YR-1HR	3920	3920	0
EX7BS83A	10YR-24HR	10291	10291	0
EX7BS83A	25YR-72HR	16414	16414	0

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS84	100YR-1HR	7758	7758	1
EX7BS84	100YR-24HR	21056	21002	54
EX7BS84	10YR-1HR	5291	5289	1
EX7BS84	10YR-24HR	13783	13742	42
EX7BS84	25YR-72HR	21949	21944	5

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS85	100YR-1HR	5819	5818	0
EX7BS85	100YR-24HR	15792	15792	0
EX7BS85	10YR-1HR	3968	3968	0
EX7BS85	10YR-24HR	10338	10338	0
EX7BS85	25YR-72HR	16462	16462	0

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS85A	100YR-1HR	5818	5770	49
EX7BS85A	100YR-24HR	15792	15746	46
EX7BS85A	10YR-1HR	3968	3920	48
EX7BS85A	10YR-24HR	10338	10291	46
EX7BS85A	25YR-72HR	16462	16414	47

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS86	100YR-1HR	13930	13929	0
EX7BS86	100YR-24HR	37805	37805	0
EX7BS86	10YR-1HR	9499	9499	1
EX7BS86	10YR-24HR	24748	24748	0
EX7BS86	25YR-72HR	39409	39408	0

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS86A	100YR-1HR	13929	13929	0
EX7BS86A	100YR-24HR	37805	37805	0
EX7BS86A	10YR-1HR	9499	9499	0
EX7BS86A	10YR-24HR	24748	24748	0
EX7BS86A	25YR-72HR	39408	39408	0

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS87	100YR-1HR	28028	28011	17
EX7BS87	100YR-24HR	76088	76073	15
EX7BS87	10YR-1HR	19118	19106	12
EX7BS87	10YR-24HR	49809	49799	10
EX7BS87	25YR-72HR	79314	79301	13

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS88	100YR-1HR	6700	6693	7
EX7BS88	100YR-24HR	18185	18185	0
EX7BS88	10YR-1HR	4569	4569	0
EX7BS88	10YR-24HR	11904	11904	0
EX7BS88	25YR-72HR	18956	18954	2

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PATRICIA LAKE	100YR-1HR	239438	0	239438

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PATRICIA LAKE	100YR-24HR	929615	12	929604
PATRICIA LAKE	10YR-1HR	120239	0	120239
PATRICIA LAKE	10YR-24HR	546464	19	546446
PATRICIA LAKE	25YR-72HR	974774	12	974762

Node Mass Balance Condensed [Icpr3]

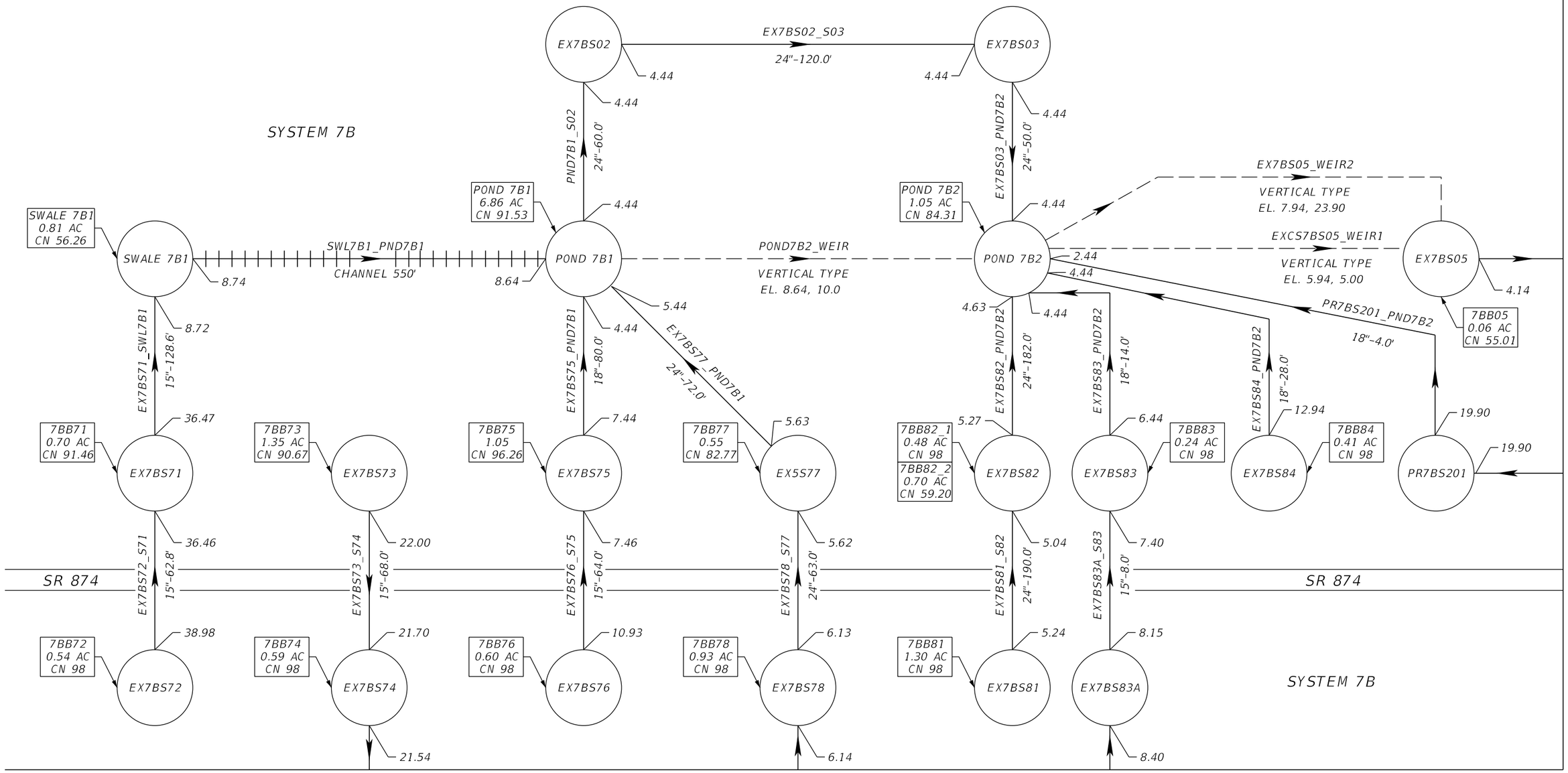
Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 7B1	100YR-1HR	238700	169795	68906
POND 7B1	100YR-24HR	737125	668289	68836
POND 7B1	10YR-1HR	152211	83349	68862
POND 7B1	10YR-24HR	459387	390597	68790
POND 7B1	25YR-72HR	769490	700011	69480

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 7B2	100YR-1HR	235266	211243	24023
POND 7B2	100YR-24HR	866276	842274	24002
POND 7B2	10YR-1HR	125687	101598	24090
POND 7B2	10YR-24HR	514890	490916	23974
POND 7B2	25YR-72HR	907132	883216	23916

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 7B1	100YR-1HR	23032	25936	-2903
SWALE 7B1	100YR-24HR	78137	81003	-2865
SWALE 7B1	10YR-1HR	14143	17031	-2889
SWALE 7B1	10YR-24HR	47046	49907	-2860
SWALE 7B1	25YR-72HR	82043	82838	-795



LEGEND

B-### #.## AC CN ##.# — CONTRIBUTING BASIN, BASIN NAME, BASIN AREA, CURVE NUMBER	NODE NAME — BOUNDARY NODE WITH CONSTANT TAILWATER	###-### ##"-###' #.## #.## — EXFILTRATION TRENCH LINK WITH SIZE-LENGTH, INVERT ELEVATION	####_WEIR VERTICAL TYPE EL. #.##, ## — WEIR LINK WITH WEIR TYPE, ELEVATION, WIDTH	###### CHANNEL ###' #.## #.## — CHANNEL LINK WITH LENGTH, INVERT ELEVATION
#-### — NODE NAME	NODE NAME — BOUNDARY NODE WITH VARIABLE TAILWATER	###-### (#)##"-###' #.## #.## — PIPE LINK WITH (QUANTITY)SIZE-LENGTH, INVERT ELEVATION	##_## — RATING CURVE LINK	

N.T.S.

1 OF 3

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

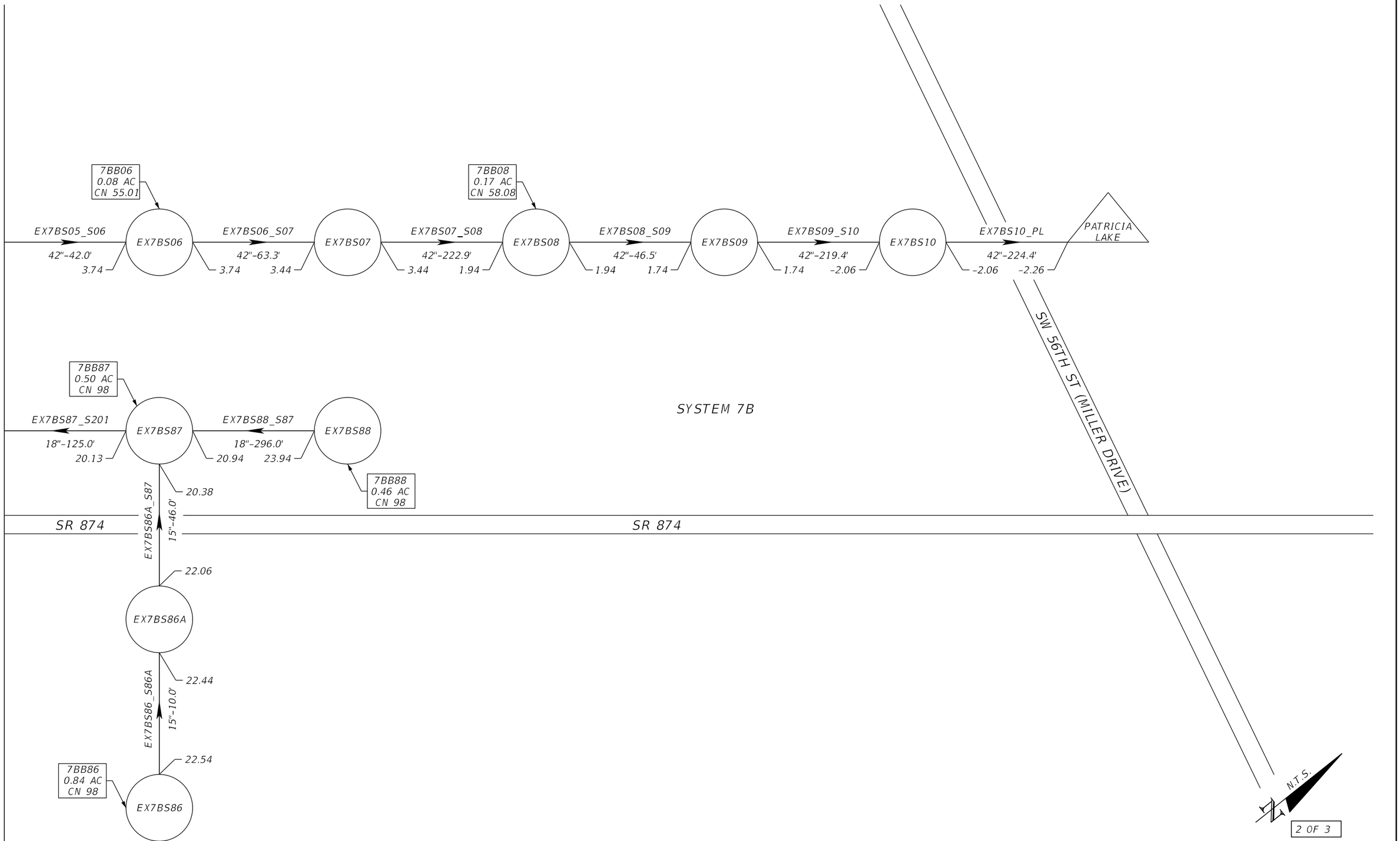
AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-1



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

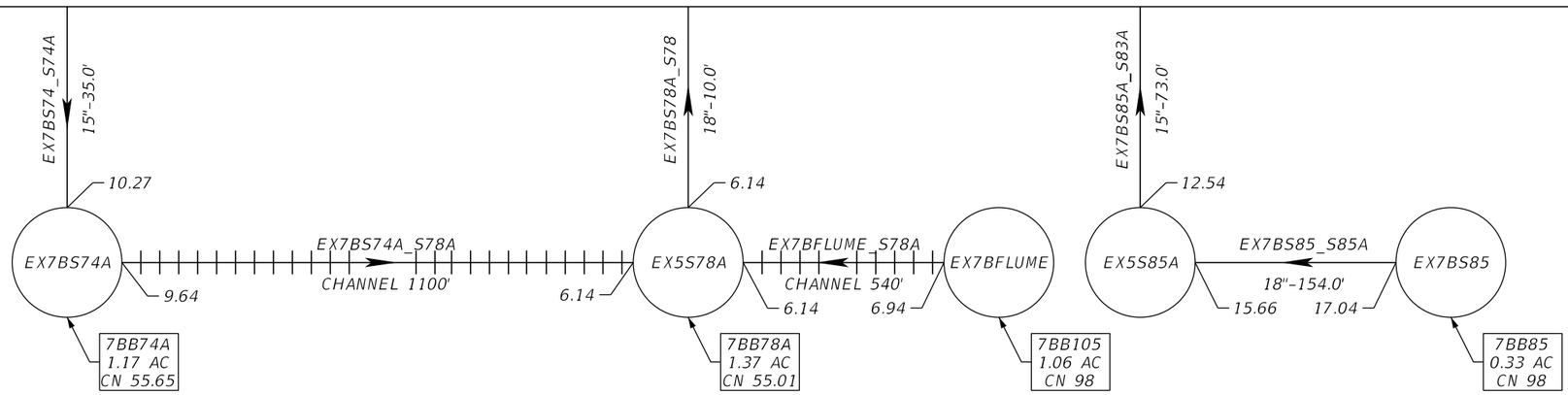
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-2

haripraR 8/22/2019 10:11:45 AM c:\pw_work\rsh_pw\pw_user\d0171047\ICPR NODE-LINK DIAGRAM_POST SYSTEM 7B.dgn

MATCHLINE B-B



SYSTEM 7B

N.T.S.

3 OF 3

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-3

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

haripraR 8/22/2019 10:11:46 AM c:\pw_work\rsh_pw\pw_user\d0171047\ICPR NODE-LINK DIAGRAM_POST SYSTEM 7B.dgn

Simple Basin: 7BB05

Scenario:	Icpr3
Node:	EX7BS05
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.0600 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB06

Scenario:	Icpr3
Node:	EX7BS06
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.0800 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB08

Scenario:	Icpr3
Node:	EX7BS08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.1700 ac
Curve Number:	58.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB105

Scenario:	Icpr3
Node:	EX7BFLUME
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	1.0600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB71

Scenario:	Icpr3
Node:	EX7BS71
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7000 ac
Curve Number:	91.5
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB72

Scenario:	Icpr3
Node:	EX7BS72
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.5400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB73

Scenario:	Icpr3
Node:	EX7BS73
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	1.3500 ac
Curve Number:	90.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB74

Scenario:	Icpr3
Node:	EX7BS74
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.5900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB74A

Scenario:	Icpr3
Node:	EX7BS74A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	1.1700 ac
Curve Number:	55.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB75

Scenario:	Icpr3
Node:	EX7BS75
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	1.0500 ac
Curve Number:	96.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB76

Scenario:	Icpr3
Node:	EX7BS76
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.6000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB77

Scenario:	Icpr3
Node:	EX7BS77
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.5500 ac
Curve Number:	82.8
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB78

Scenario:	Icpr3
Node:	EX7BS78
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.9300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB78A

Scenario:	Icpr3
Node:	EX7BS78A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	1.3700 ac
Curve Number:	55.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB81

Scenario:	Icpr3
Node:	EX7BS81
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	1.3000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB82_1

Scenario:	Icpr3
Node:	EX7BS82
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB82_2

Scenario:	Icpr3
Node:	EX7BS82
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.7000 ac
Curve Number:	59.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB83

Scenario:	Icpr3
Node:	EX7BS83
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.2400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB84

Scenario:	Icpr3
Node:	EX7BS84
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.4100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB85

Scenario:	Icpr3
Node:	EX7BS85
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.3300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB86

Scenario:	Icpr3
Node:	EX7BS86
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.8400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB87

Scenario:	Icpr3
Node:	EX7BS87
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.5000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 7BB88

Scenario:	Icpr3
Node:	EX7BS88
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.4600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 7B1

Scenario:	Icpr3
Node:	POND 7B1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	6.8600 ac
Curve Number:	91.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 7B2

Scenario:	Icpr3
Node:	POND 7B2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	1.0500 ac
Curve Number:	84.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: SWALE 7B1

Scenario:	Icpr3
Node:	SWALE 7B1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	Uh256
Peaking Factor:	256.0
Area:	0.8100 ac
Curve Number:	56.3
% Impervious:	0.00
% DCIA:	0.00

% Direct: 0.00
Rainfall Name:

Comment:

Node: EX7BFLUME

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.94 ft
Warning Stage: 10.44 ft

Stage [ft]	Area [ac]	Area [ft2]
6.94	0.0001	4
7.44	0.0001	4
8.44	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS02

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.44 ft
Warning Stage: 9.44 ft

Stage [ft]	Area [ac]	Area [ft2]
4.44	0.0001	4
9.44	0.0001	4
9.45	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS03

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.44 ft
Warning Stage: 9.44 ft

Stage [ft]	Area [ac]	Area [ft2]
4.44	0.0001	4

Stage [ft]	Area [ac]	Area [ft2]
9.44	0.0001	4
9.45	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS05

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.14 ft
Warning Stage: 10.44 ft

Stage [ft]	Area [ac]	Area [ft2]
4.14	0.0010	44
10.44	0.0100	436

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS06

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.74 ft
Warning Stage: 8.44 ft

Stage [ft]	Area [ac]	Area [ft2]
3.74	0.0001	4
8.44	0.0001	4
8.45	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS07

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.44 ft
Warning Stage: 8.54 ft

Stage [ft]	Area [ac]	Area [ft2]
3.44	0.0001	4

Stage [ft]	Area [ac]	Area [ft2]
8.54	0.0001	4
8.55	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS08

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.94 ft
Warning Stage: 6.44 ft

Stage [ft]	Area [ac]	Area [ft2]
1.94	0.0001	4
6.44	0.0001	4
6.45	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS09

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.94 ft
Warning Stage: 5.44 ft

Stage [ft]	Area [ac]	Area [ft2]
1.74	0.0001	4
5.44	0.0001	4
5.45	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS10

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.94 ft
Warning Stage: 4.44 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.06	0.0001	4
3.94	0.0001	4
3.95	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS71

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 34.44 ft
Warning Stage: 41.41 ft

Stage [ft]	Area [ac]	Area [ft2]
34.44	0.0001	4
40.81	0.0001	4
40.82	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS72

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 38.98 ft
Warning Stage: 41.49 ft

Stage [ft]	Area [ac]	Area [ft2]
38.98	0.0001	4
40.89	0.0001	4
40.90	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS73

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 19.94 ft
Warning Stage: 26.97 ft

Stage [ft]	Area [ac]	Area [ft2]
19.94	0.0001	4
26.37	0.0001	4
26.38	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS74

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 21.54 ft
Warning Stage: 26.64 ft

Stage [ft]	Area [ac]	Area [ft2]
21.54	0.0001	4
26.04	0.0001	4
26.05	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS74A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.64 ft
Warning Stage: 13.44 ft

Stage [ft]	Area [ac]	Area [ft2]
9.64	0.0001	4
9.65	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS75

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.44 ft
Warning Stage: 12.51 ft

Stage [ft]	Area [ac]	Area [ft2]
5.44	0.0001	4
11.91	0.0001	4
11.92	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS76

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.81 ft
Warning Stage: 12.53 ft

Stage [ft]	Area [ac]	Area [ft2]
7.81	0.0001	4
11.93	0.0001	4
11.94	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS77

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.54 ft
Warning Stage: 9.34 ft

Stage [ft]	Area [ac]	Area [ft2]
3.54	0.0001	4
8.74	0.0001	4
8.75	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS78

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.13 ft
Warning Stage: 9.39 ft

Stage [ft]	Area [ac]	Area [ft2]
6.13	0.0001	4
8.79	0.0001	4
8.80	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS78A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.14 ft
Warning Stage: 10.44 ft

Stage [ft]	Area [ac]	Area [ft2]
6.14	0.0001	4
6.64	0.0001	4
9.44	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS81

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.44 ft
Warning Stage: 10.44 ft

Stage [ft]	Area [ac]	Area [ft2]
7.44	0.0001	4
10.44	0.0001	4

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS82

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.04 ft
Warning Stage: 10.44 ft

Stage [ft]	Area [ac]	Area [ft2]
5.04	0.0010	44
10.44	0.0100	436

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS83

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.44 ft
Warning Stage: 13.79 ft

Stage [ft]	Area [ac]	Area [ft2]
6.44	0.0001	4
13.19	0.0001	4
13.20	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS83A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.15 ft
Warning Stage: 14.02 ft

Stage [ft]	Area [ac]	Area [ft2]
8.15	0.0001	4
14.02	0.0001	4
14.03	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS84

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.94 ft
Warning Stage: 20.68 ft

Stage [ft]	Area [ac]	Area [ft2]
12.94	0.0001	4
20.08	0.0001	4
20.09	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS85

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.04 ft
Warning Stage: 20.73 ft

Stage [ft]	Area [ac]	Area [ft2]
17.04	0.0001	4
20.13	0.0001	4
20.14	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS85A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.13 ft
Warning Stage: 16.41 ft

Stage [ft]	Area [ac]	Area [ft2]
12.13	0.0001	4
16.41	0.0001	4
16.42	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P (S-83B)

Node: EX7BS86

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 22.54 ft
Warning Stage: 27.11 ft

Stage [ft]	Area [ac]	Area [ft2]
22.54	0.0001	4
26.51	0.0001	4

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS86A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 22.06 ft
Warning Stage: 26.55 ft

Stage [ft]	Area [ac]	Area [ft2]
22.06	0.0001	4
26.55	0.0001	4
26.56	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS87

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.13 ft
Warning Stage: 25.65 ft

Stage [ft]	Area [ac]	Area [ft2]
20.13	0.0001	4
25.05	0.0001	4
25.06	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: EX7BS88

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 23.94 ft
Warning Stage: 30.49 ft

Stage [ft]	Area [ac]	Area [ft2]
23.94	0.0001	4
29.89	0.0001	4

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: PATRICIA LAKE

Scenario: Icpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.44 ft
Warning Stage: 4.44 ft
Boundary Stage: PATRICIA LAKE

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.44
0	0	0	300.0000	1.44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: POND 7B1

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.44 ft
Warning Stage: 8.94 ft

Stage [ft]	Area [ac]	Area [ft2]
4.44	0.8700	37897
8.24	1.7100	74488

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Node: POND 7B2

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.44 ft
Warning Stage: 7.94 ft

Stage [ft]	Area [ac]	Area [ft2]
2.94	0.5000	21780

Stage [ft]	Area [ac]	Area [ft2]
4.44	0.6000	26136
7.94	0.8400	36590

Comment: CONTROL STRUCTURE EX7BS05A IS LOCATED AT THE NORTH END OF POND 7B2

Node: PR7BS201

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 19.90 ft
Warning Stage: 22.96 ft

Stage [ft]	Area [ac]	Area [ft2]
17.90	0.0003	13
22.96	0.0003	13
22.97	0.0030	131

Comment:

Node: SWALE 7B1

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.72 ft
Warning Stage: 12.44 ft

Stage [ft]	Area [ac]	Area [ft2]
8.44	0.0010	44
14.44	0.0010	44

Comment: INFORMATION TAKEN FROM DRAINAGE REPORT OF ERP NO. 13-02434-P

Channel Link: EX7BFLUME_S78A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	6.94 ft	Invert:	6.14 ft
From Node:	EX7BFLUME	Manning's N:	0.0600	Manning's N:	0.0600
To Node:	EX7BS78A	Geometry:	Trapezoidal	Geometry:	Trapezoidal
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	4.00 ft	Bottom Width:	4.00 ft
Length:	540.00 ft	Left Slope:	2.000 (h:v)	Left Slope:	2.000 (h:v)

Contraction Coef:	0.10	Right Slope:	2.000 (h:v)	Right Slope:	2.000 (h:v)
Expansion Coef:	0.30		Bottom Clip		
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0600	Manning's N:	0.0600
Energy Switch:	Energy		Top Clip		
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0600	Manning's N:	0.0600

Comment:

Pipe Link: EX7BS02_S03		Upstream		Downstream	
Scenario:	Icpr3	Invert:	4.44 ft	Invert:	4.44 ft
From Node:	EX7BS02	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS03	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	120.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: EX7BS03_POND7B2		Upstream		Downstream	
Scenario:	Icpr3	Invert:	4.44 ft	Invert:	4.44 ft
From Node:	EX7BS03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 7B2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING PIPE TO REMAIN

Pipe Link: EX7BS05_S06		Upstream		Downstream	
Scenario:	Icpr3	Invert:	4.14 ft	Invert:	3.74 ft
From Node:	EX7BS05	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS06	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	42.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING OUTFALL PIPE TO LAKE PATRICIA TO REMAIN

Weir Link: EX7BS05_WEIR2			
Scenario:	Icpr3	Bottom Clip	
From Node:	POND 7B2	Default:	0.00 ft
To Node:	EX7BS05	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	7.94 ft	Discharge Coefficients	
Control Elevation:	7.94 ft	Weir Default:	3.200
Max Depth:	999.00 ft	Weir Table:	
Max Width:	23.90 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment: Existing Control Structure

Pipe Link: EX7BS06_S07		Upstream		Downstream	
Scenario:	Icpr3	Invert:	3.74 ft	Invert:	3.44 ft
From Node:	EX7BS06	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS07	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	63.33 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING OUTFALL PIPE TO LAKE PATRICIA TO REMAIN

Pipe Link: EX7BS07_S08		Upstream		Downstream	
Scenario:	Icpr3	Invert:	3.44 ft	Invert:	1.94 ft
From Node:	EX7BS07	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS08	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	222.85 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING OUTFALL PIPE TO LAKE PATRICIA TO REMAIN

Pipe Link: EX7BS08_S09		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.94 ft	Invert:	1.74 ft
From Node:	EX7BS08	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS09	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.45 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING OUTFALL PIPE TO LAKE PATRICIA TO REMAIN

Pipe Link: EX7BS09_S10		Upstream		Downstream	
Scenario:	Icpr3	Invert:	1.74 ft	Invert:	-2.06 ft
From Node:	EX7BS09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS10	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	219.35 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING OUTFALL PIPE TO LAKE PATRICIA TO REMAIN

Pipe Link: EX7BS10_PL		Upstream		Downstream	
Scenario:	Icpr3	Invert:	-2.06 ft	Invert:	-2.26 ft
From Node:	EX7BS10	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PATRICIA LAKE	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	224.41 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING OUTFALL PIPE TO LAKE PATRICIA TO REMAIN

Pipe Link: EX7BS71_SWL7B1		Upstream		Downstream	
Scenario:	Icpr3	Invert:	36.47 ft	Invert:	8.72 ft
From Node:	EX7BS71	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 7B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	128.58 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: EX7BS72_S71		Upstream		Downstream	
Scenario:	Icpr3	Invert:	38.98 ft	Invert:	36.46 ft
From Node:	EX7BS72	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS71	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	62.79 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: EX7BS73_S74		Upstream		Downstream	
Scenario:	Icpr3	Invert:	22.00 ft	Invert:	21.70 ft
From Node:	EX7BS73	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS74	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	68.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Channel Link: EX7BS74A_S78A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	9.64 ft	Invert:	6.14 ft

From Node:	EX7BS74A	Manning's N:	0.0600	Manning's N:	0.0600
To Node:	EX7BS78A	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	0.00 ft	Bottom Width:	4.00 ft
Length:	1100.00 ft	Left Slope:	2.000 (h:v)	Left Slope:	2.000 (h:v)
Contraction Coef:	0.10	Right Slope:	10.000 (h:v)	Right Slope:	2.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0600	Manning's N:	0.0600
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0600	Manning's N:	0.0600

Comment:

Pipe Link: EX7BS74_S74A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	21.54 ft	Invert:	10.27 ft
From Node:	EX7BS74	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS74A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	35.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING PIPE TO REMAIN

Pipe Link: EX7BS75_PND7B1		Upstream		Downstream	
Scenario:	Icpr3	Invert:	7.44 ft	Invert:	4.44 ft
From Node:	EX7BS75	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 7B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	80.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: EX7BS76_S75		Upstream		Downstream	
Scenario:	Icpr3	Invert:	10.93 ft	Invert:	7.46 ft
From Node:	EX7BS76	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS75	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	64.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: EX7BS77_PND7B1		Upstream		Downstream	
Scenario:	Icpr3	Invert:	5.63 ft	Invert:	5.44 ft
From Node:	EX7BS77	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 7B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	72.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING PIPE

Pipe Link: EX7BS78A_S78		Upstream		Downstream	
Scenario:	Icpr3	Invert:	6.14 ft	Invert:	6.14 ft
From Node:	EX7BS78A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS78	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: PROPOSED PIPE

Pipe Link: EX7BS78_S77		Upstream		Downstream	
Scenario:	Icpr3	Invert:	6.13 ft	Invert:	5.62 ft
From Node:	EX7BS78	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS77	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	63.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING PIPE

Pipe Link: EX7BS81_S82		Upstream		Downstream	
Scenario:	Icpr3	Invert:	5.24 ft	Invert:	5.04 ft
From Node:	EX7BS81	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS82	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	190.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING SIDEDRAIN PIPE TO REMAIN

Pipe Link: EX7BS82_PND7B2		Upstream		Downstream	
Scenario:	Icpr3	Invert:	5.27 ft	Invert:	4.63 ft
From Node:	EX7BS82	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 7B2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	182.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: EX7BS83A_S83		Upstream		Downstream	
Scenario:	Icpr3	Invert:	8.15 ft	Invert:	7.40 ft
From Node:	EX7BS83A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS83	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	8.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: EX7BS83_PND7B2		Upstream		Downstream	
Scenario:	Icpr3	Invert:	6.44 ft	Invert:	4.44 ft

From Node:	EX7BS83	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 7B2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	14.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: EX7BS84_PND7B2		Upstream		Downstream	
Scenario:	Icpr3	Invert:	12.94 ft	Invert:	4.44 ft
From Node:	EX7BS84	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 7B2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	28.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: EX7BS85A_S83A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	12.54 ft	Invert:	8.40 ft
From Node:	EX7BS85A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS83A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	73.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120
Comment:					

Pipe Link: EX7BS85_S85A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	17.04 ft	Invert:	15.66 ft
From Node:	EX7BS85	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS85A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	154.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120
Comment:					

Pipe Link: EX7BS86A_S87		Upstream		Downstream	
Scenario:	Icpr3	Invert:	22.06 ft	Invert:	20.38 ft
From Node:	EX7BS86A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS87	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120
Comment:					

Pipe Link: EX7BS86_S86A		Upstream		Downstream	
Scenario:	Icpr3	Invert:	22.54 ft	Invert:	22.44 ft
From Node:	EX7BS86	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS86A	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Pipe Link: EX7BS87_S201		Upstream		Downstream	
Scenario:	Icpr3	Invert:	20.13 ft	Invert:	19.90 ft
From Node:	EX7BS87	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR7BS201	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	125.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX7BS88_S87		Upstream		Downstream	
Scenario:	Icpr3	Invert:	23.94 ft	Invert:	20.94 ft
From Node:	EX7BS88	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS87	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	296.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment:

Weir Link: EXCS7BS05_WEIR1			
Scenario:	Icpr3	Bottom Clip	
From Node:	POND 7B2	Default:	0.00 ft
To Node:	EX7BS05	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.75 ft	Discharge Coefficients	
Control Elevation:	5.75 ft	Weir Default:	3.200
Max Depth:	2.19 ft	Weir Table:	
Max Width:	5.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment: Existing Control Structure

Pipe Link: PND7B1_S02		Upstream		Downstream	
Scenario:	Icpr3	Invert:	4.44 ft	Invert:	4.44 ft
From Node:	POND 7B1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX7BS02	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	60.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0120	Manning's N:	0.0120
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0120	Manning's N:	0.0120

Comment: EXISTING PIPE TO REMAIN

Weir Link: POND7B2_WEIR			
Scenario:	Icpr3	Bottom Clip	
From Node:	POND 7B1	Default:	0.00 ft
To Node:	POND 7B2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical		
Geometry Type:	Rectangular	Op Table:	
Invert:	8.64 ft	Ref Node:	
Control Elevation:	8.64 ft	Discharge Coefficients	
Max Depth:	999.00 ft	Weir Default:	3.200
Max Width:	10.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Pipe Link: PR7BS201_PND7B2		Upstream		Downstream	
Scenario:	Icpr3	Invert:	19.90 ft	Invert:	2.94 ft
From Node:	PR7BS201	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 7B2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	4.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: SWL7B1_PND7B1		Upstream		Downstream	
Scenario:	Icpr3	Invert:	8.74 ft	Invert:	8.64 ft
From Node:	SWALE 7B1	Manning's N:	0.0600	Manning's N:	0.0600
To Node:	POND 7B1	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	0.50 ft	Bottom Width:	0.50 ft
Length:	550.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	8.000 (h:v)
Contraction Coef:	0.10	Right Slope:	10.000 (h:v)	Right Slope:	8.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0600	Manning's N:	0.0600
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	

Manning's N: 0.0600 Manning's N: 0.0600

Comment:

Simulation: 100YR-1HR

Scenario: Icpr3
Run Date/Time: 8/21/2019 5:19:24 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:

Green-Ampt Set:	
Vertical Layers Set:	
Impervious Set:	
Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Fdot-1
		Rainfall Amount:	5.10 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100YR-24HR

Scenario:	Icpr3
Run Date/Time:	8/21/2019 5:21:37 PM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set: 100YR-24HR
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Fdot-24
Rainfall Amount: 13.44 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft

Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-1HR

Scenario: Icpr3
Run Date/Time: 8/21/2019 5:25:44 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Lookup Tables

Rainfall Folder:	ICPR3	Boundary Stage Set:	
Reference ET Folder:		Extern Hydrograph Set:	
Unit Hydrograph Folder:	ICPR3	Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	
		Roughness Set:	
		Crop Coef Set:	
		Fillable Porosity Set:	
		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Fdot-1
		Rainfall Amount:	3.55 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-24HR

Scenario:	Icpr3
Run Date/Time:	8/21/2019 5:28:10 PM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

Hydrology [sec]	Surface Hydraulics	Groundwater [sec]

		[sec]	
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:	ICPR3
Reference ET Folder:	
Unit Hydrograph Folder:	ICPR3

Lookup Tables

Boundary Stage Set:	10YR-24HR
Extern Hydrograph Set:	
Curve Number Set:	
Green-Ampt Set:	
Vertical Layers Set:	
Impervious Set:	
Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Fdot-24

		Rainfall Amount:	8.88 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25YR-72HR

Scenario: Icpr3
Run Date/Time: 8/21/2019 5:33:16 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:	ICPR3
Reference ET Folder:	
Unit Hydrograph Folder:	ICPR3

Lookup Tables

Boundary Stage Set:	25YR-72HR
Extern Hydrograph Set:	
Curve Number Set:	
Green-Ampt Set:	
Vertical Layers Set:	
Impervious Set:	
Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Sfwmd72
		Rainfall Amount:	14.00 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

SFWMD DESIGN STORM

Node Max Conditions [Icpr3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX7BFLUME	100YR-1HR	10.44	9.33	0.0010	8.32	6.97	3915
EX7BS02	100YR-1HR	9.44	7.38	0.0010	12.19	12.20	184
EX7BS03	100YR-1HR	9.44	6.95	0.0010	12.20	12.20	222
EX7BS05	100YR-1HR	10.44	5.76	0.0010	14.92	14.92	218
EX7BS06	100YR-1HR	8.44	5.37	0.0010	14.93	14.93	188
EX7BS07	100YR-1HR	8.54	5.07	0.0007	14.93	14.93	504
EX7BS08	100YR-1HR	6.44	3.57	0.0006	14.97	14.97	474
EX7BS09	100YR-1HR	5.44	3.36	0.0006	14.97	14.97	447
EX7BS10	100YR-1HR	4.44	1.94	0.0168	14.97	33.53	270
EX7BS71	100YR-1HR	41.41	39.35	0.0012	9.10	9.08	122
EX7BS72	100YR-1HR	41.49	40.28	0.0007	4.24	4.23	113
EX7BS73	100YR-1HR	26.97	28.66	0.0012	9.23	9.06	113
EX7BS74	100YR-1HR	26.64	27.01	0.0010	13.58	13.52	113
EX7BS74A	100YR-1HR	13.44	11.05	0.0006	15.82	14.14	10080
EX7BS75	100YR-1HR	12.51	10.47	0.0011	12.72	12.70	113
EX7BS76	100YR-1HR	12.53	12.33	0.0012	4.71	4.70	113
EX7BS77	100YR-1HR	9.34	8.41	0.0010	16.62	16.65	209
EX7BS78	100YR-1HR	9.39	8.80	0.0010	15.13	15.15	113
EX7BS78A	100YR-1HR	10.44	9.32	0.0010	21.04	12.85	14390
EX7BS81	100YR-1HR	10.44	8.41	0.0111	10.20	12.55	190
EX7BS82	100YR-1HR	10.44	7.99	0.0063	15.42	15.35	683
EX7BS83	100YR-1HR	13.79	7.57	0.0005	4.46	4.46	113
EX7BS83A	100YR-1HR	14.02	9.05	0.0004	2.58	2.58	113
EX7BS84	100YR-1HR	20.68	13.77	0.0010	3.22	3.21	113
EX7BS85	100YR-1HR	20.73	17.90	0.0005	2.59	2.59	119
EX7BS85A	100YR-1HR	16.41	13.45	0.0004	2.59	2.58	159
EX7BS86	100YR-1HR	27.11	26.04	0.0010	6.59	7.14	113
EX7BS86A	100YR-1HR	26.55	25.70	0.0008	7.14	7.73	113
EX7BS87	100YR-1HR	25.65	25.13	0.0032	15.92	17.55	309
EX7BS88	100YR-1HR	30.49	25.41	0.0009	3.61	4.57	226
PATRICIA LAKE	100YR-1HR	4.44	1.44	0.0000	33.53	0.00	0
POND 7B1	100YR-1HR	8.94	7.66	0.0005	80.77	12.19	68900
POND 7B2	100YR-1HR	7.94	6.70	0.0005	105.16	14.90	32949
PR7BS201	100YR-1HR	22.96	22.97	0.0523	17.55	72.32	113
SWALE 7B1	100YR-1HR	12.44	10.22	0.0009	10.63	9.15	8668
EX7BFLUME	100YR-24HR	10.44	8.23	0.0007	1.43	1.11	2722
EX7BS02	100YR-24HR	9.44	7.69	0.0010	13.23	13.23	184
EX7BS03	100YR-24HR	9.44	7.18	0.0010	13.23	13.23	216
EX7BS05	100YR-24HR	10.44	5.98	0.0010	18.61	18.61	231
EX7BS06	100YR-24HR	8.44	5.59	0.0010	18.67	18.67	189
EX7BS07	100YR-24HR	8.54	5.28	0.0010	18.67	18.67	505
EX7BS08	100YR-24HR	6.44	3.79	0.0008	18.80	18.80	476
EX7BS09	100YR-24HR	5.44	3.59	0.0006	18.80	18.80	417
EX7BS10	100YR-24HR	4.44	2.79	0.0168	18.80	33.53	420
EX7BS71	100YR-24HR	41.41	37.08	0.0010	1.66	1.66	121

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX7BS72	100YR-24HR	41.49	39.42	0.0004	0.73	0.73	113
EX7BS73	100YR-24HR	26.97	22.75	0.0010	1.79	1.79	113
EX7BS74	100YR-24HR	26.64	22.32	0.0010	2.59	2.59	113
EX7BS74A	100YR-24HR	13.44	10.46	0.0007	3.60	3.53	6313
EX7BS75	100YR-24HR	12.51	8.21	0.0010	2.23	2.23	113
EX7BS76	100YR-24HR	12.53	11.39	0.0010	0.81	0.81	113
EX7BS77	100YR-24HR	9.34	8.12	0.0010	6.49	6.39	193
EX7BS78	100YR-24HR	9.39	8.17	0.0010	5.76	5.83	113
EX7BS78A	100YR-24HR	10.44	8.22	0.0009	5.79	4.66	10153
EX7BS81	100YR-24HR	10.44	7.44	0.0111	1.76	12.55	190
EX7BS82	100YR-24HR	10.44	6.92	0.0063	12.55	3.04	568
EX7BS83	100YR-24HR	13.79	6.91	0.0009	0.77	0.77	113
EX7BS83A	100YR-24HR	14.02	8.45	0.0003	0.45	0.45	113
EX7BS84	100YR-24HR	20.68	13.16	0.0010	0.55	0.55	113
EX7BS85	100YR-24HR	20.73	17.37	0.0008	0.45	0.45	113
EX7BS85A	100YR-24HR	16.41	12.86	0.0008	0.45	0.45	126
EX7BS86	100YR-24HR	27.11	23.12	0.0008	1.14	1.14	113
EX7BS86A	100YR-24HR	26.55	22.62	0.0006	1.14	1.14	113
EX7BS87	100YR-24HR	25.65	20.93	0.0010	2.43	2.43	294
EX7BS88	100YR-24HR	30.49	24.33	0.0007	0.62	0.62	192
PATRICIA LAKE	100YR-24HR	4.44	2.64	0.0003	33.53	0.08	0
POND 7B1	100YR-24HR	8.94	8.03	0.0009	20.06	13.23	72473
POND 7B2	100YR-24HR	7.94	6.89	0.0010	19.56	18.57	33452
PR7BS201	100YR-24HR	22.96	20.60	0.0009	2.43	2.43	113
SWALE 7B1	100YR-24HR	12.44	9.72	0.0010	2.37	2.72	5699
EX7BFLUME	10YR-1HR	10.44	8.41	0.0009	5.72	5.24	2913
EX7BS02	10YR-1HR	9.44	6.56	0.0010	9.80	9.78	184
EX7BS03	10YR-1HR	9.44	6.39	0.0010	9.78	9.77	222
EX7BS05	10YR-1HR	10.44	5.18	0.0010	6.56	6.56	176
EX7BS06	10YR-1HR	8.44	4.78	0.0010	6.56	6.56	173
EX7BS07	10YR-1HR	8.54	4.48	0.0010	6.56	6.56	462
EX7BS08	10YR-1HR	6.44	2.98	0.0010	6.56	6.56	436
EX7BS09	10YR-1HR	5.44	2.78	0.0010	6.56	6.56	437
EX7BS10	10YR-1HR	4.44	1.94	0.0168	6.56	33.53	270
EX7BS71	10YR-1HR	41.41	38.14	0.0010	6.05	6.05	122
EX7BS72	10YR-1HR	41.49	39.98	0.0007	2.91	2.91	113
EX7BS73	10YR-1HR	26.97	25.00	0.0011	5.92	5.87	113
EX7BS74	10YR-1HR	26.64	24.30	0.0010	8.99	8.97	113
EX7BS74A	10YR-1HR	13.44	10.78	0.0005	9.75	8.85	7925
EX7BS75	10YR-1HR	12.51	9.37	0.0010	8.66	8.65	113
EX7BS76	10YR-1HR	12.53	11.99	0.0011	3.24	3.23	113
EX7BS77	10YR-1HR	9.34	7.86	0.0010	12.02	12.01	209
EX7BS78	10YR-1HR	9.39	8.09	0.0010	10.99	11.01	113
EX7BS78A	10YR-1HR	10.44	8.38	0.0010	13.97	9.56	11038
EX7BS81	10YR-1HR	10.44	7.44	0.0111	7.01	12.55	190
EX7BS82	10YR-1HR	10.44	7.02	0.0063	12.55	10.05	683

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX7BS83	10YR-1HR	13.79	7.32	0.0005	3.06	3.06	113
EX7BS83A	10YR-1HR	14.02	8.85	0.0003	1.78	1.78	113
EX7BS84	10YR-1HR	20.68	13.57	0.0008	2.21	2.21	113
EX7BS85	10YR-1HR	20.73	17.73	0.0006	1.78	1.78	118
EX7BS85A	10YR-1HR	16.41	13.26	0.0004	1.78	1.78	156
EX7BS86	10YR-1HR	27.11	23.92	0.0010	4.53	4.52	113
EX7BS86A	10YR-1HR	26.55	23.43	0.0006	4.52	4.52	113
EX7BS87	10YR-1HR	25.65	23.11	0.0021	9.69	11.25	308
EX7BS88	10YR-1HR	30.49	24.77	0.0006	2.48	2.48	226
PATRICIA LAKE	10YR-1HR	4.44	1.44	0.0000	33.53	0.00	0
POND 7B1	10YR-1HR	8.94	6.70	0.0008	53.34	9.80	59776
POND 7B2	10YR-1HR	7.94	6.30	0.0010	92.04	6.56	31874
PR7BS201	10YR-1HR	22.96	21.93	0.0537	11.25	70.16	113
SWALE 7B1	10YR-1HR	12.44	9.98	0.0010	6.57	5.44	7230
EX7BFLUME	10YR-24HR	10.44	7.44	0.0002	0.95	0.92	2165
EX7BS02	10YR-24HR	9.44	6.94	0.0010	8.74	8.75	184
EX7BS03	10YR-24HR	9.44	6.72	0.0010	8.75	8.75	214
EX7BS05	10YR-24HR	10.44	5.59	0.0010	12.17	12.17	206
EX7BS06	10YR-24HR	8.44	5.20	0.0010	12.20	12.20	186
EX7BS07	10YR-24HR	8.54	4.89	0.0010	12.20	12.20	498
EX7BS08	10YR-24HR	6.44	3.40	0.0007	12.26	12.26	469
EX7BS09	10YR-24HR	5.44	3.19	0.0007	12.26	12.26	409
EX7BS10	10YR-24HR	4.44	2.71	0.0168	12.26	33.53	420
EX7BS71	10YR-24HR	41.41	36.93	0.0010	1.09	1.09	119
EX7BS72	10YR-24HR	41.49	39.33	0.0004	0.48	0.48	113
EX7BS73	10YR-24HR	26.97	22.59	0.0010	1.16	1.16	113
EX7BS74	10YR-24HR	26.64	22.11	0.0010	1.69	1.69	113
EX7BS74A	10YR-24HR	13.44	10.29	0.0005	2.18	2.15	4686
EX7BS75	10YR-24HR	12.51	8.05	0.0010	1.47	1.47	113
EX7BS76	10YR-24HR	12.53	11.29	0.0010	0.54	0.54	113
EX7BS77	10YR-24HR	9.34	7.13	0.0010	4.71	4.70	186
EX7BS78	10YR-24HR	9.39	7.15	0.0010	4.28	4.28	113
EX7BS78A	10YR-24HR	10.44	7.24	0.0006	3.63	3.54	6905
EX7BS81	10YR-24HR	10.44	7.44	0.0111	1.16	12.55	190
EX7BS82	10YR-24HR	10.44	6.59	0.0063	12.55	1.89	552
EX7BS83	10YR-24HR	13.79	6.73	0.0008	0.51	0.51	113
EX7BS83A	10YR-24HR	14.02	8.39	0.0005	0.29	0.29	113
EX7BS84	10YR-24HR	20.68	13.11	0.0010	0.37	0.41	113
EX7BS85	10YR-24HR	20.73	17.30	0.0004	0.29	0.29	113
EX7BS85A	10YR-24HR	16.41	12.80	0.0004	0.29	0.29	116
EX7BS86	10YR-24HR	27.11	23.00	0.0005	0.75	0.75	113
EX7BS86A	10YR-24HR	26.55	22.51	0.0006	0.75	0.75	113
EX7BS87	10YR-24HR	25.65	20.76	0.0008	1.61	1.61	277
EX7BS88	10YR-24HR	30.49	24.25	0.0005	0.41	0.41	178
PATRICIA LAKE	10YR-24HR	4.44	2.64	0.0004	33.53	0.08	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND 7B1	10YR-24HR	8.94	7.09	0.0008	13.48	8.74	63447
POND 7B2	10YR-24HR	7.94	6.58	0.0010	12.60	12.15	32631
PR7BS201	10YR-24HR	22.96	20.46	0.0010	1.61	1.61	113
SWALE 7B1	10YR-24HR	12.44	9.72	0.0010	1.44	2.72	5699
EX7BFLUME	25YR-72HR	10.44	10.12	0.0008	6.56	3.00	4775
EX7BS02	25YR-72HR	9.44	8.61	0.0010	15.75	15.76	184
EX7BS03	25YR-72HR	9.44	7.98	0.0010	15.76	15.77	179
EX7BS05	25YR-72HR	10.44	6.74	0.0005	33.09	33.09	269
EX7BS06	25YR-72HR	8.44	6.35	0.0005	33.27	33.27	189
EX7BS07	25YR-72HR	8.54	6.05	0.0005	33.27	33.27	505
EX7BS08	25YR-72HR	6.44	4.62	0.0009	33.69	33.68	475
EX7BS09	25YR-72HR	5.44	4.39	0.0010	33.68	33.68	396
EX7BS10	25YR-72HR	4.44	4.09	0.0168	33.68	33.68	421
EX7BS71	25YR-72HR	41.41	38.71	0.0010	7.63	7.62	122
EX7BS72	25YR-72HR	41.49	40.08	0.0005	3.34	3.34	113
EX7BS73	25YR-72HR	26.97	27.16	0.0010	8.27	8.16	113
EX7BS74	25YR-72HR	26.64	25.82	0.0010	11.79	11.75	113
EX7BS74A	25YR-72HR	13.44	11.14	0.0006	17.02	14.93	11056
EX7BS75	25YR-72HR	12.51	9.74	0.0010	10.20	10.19	113
EX7BS76	25YR-72HR	12.53	12.10	0.0010	3.71	3.71	113
EX7BS77	25YR-72HR	9.34	9.52	0.0010	14.32	14.22	145
EX7BS78	25YR-72HR	9.39	9.77	0.0010	11.74	11.69	113
EX7BS78A	25YR-72HR	10.44	10.12	0.0008	22.74	9.72	17000
EX7BS81	25YR-72HR	10.44	8.72	0.0111	8.05	12.55	190
EX7BS82	25YR-72HR	10.44	8.47	0.0063	14.28	14.09	552
EX7BS83	25YR-72HR	13.79	7.63	0.0010	3.52	3.50	113
EX7BS83A	25YR-72HR	14.02	8.92	0.0004	2.04	2.04	113
EX7BS84	25YR-72HR	20.68	13.64	0.0010	2.54	2.54	113
EX7BS85	25YR-72HR	20.73	17.79	0.0003	2.04	2.04	119
EX7BS85A	25YR-72HR	16.41	13.33	0.0004	2.04	2.04	158
EX7BS86	25YR-72HR	27.11	24.08	0.0008	5.20	5.19	113
EX7BS86A	25YR-72HR	26.55	23.59	0.0010	5.19	5.19	113
EX7BS87	25YR-72HR	25.65	22.81	0.0008	11.12	11.12	309
EX7BS88	25YR-72HR	30.49	24.84	0.0004	2.85	2.84	226
PATRICIA LAKE	25YR-72HR	4.44	3.60	0.0005	33.68	0.08	0
POND 7B1	25YR-72HR	8.94	9.04	0.0006	75.93	23.02	77905
POND 7B2	25YR-72HR	7.94	7.60	0.0008	59.32	33.00	35593
PR7BS201	25YR-72HR	22.96	21.31	0.0076	11.12	23.33	113
SWALE 7B1	25YR-72HR	12.44	10.28	0.0010	11.32	10.21	9009

Link Min/Max Conditions [Icpr3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX7BFLUME_S78A	100YR-1HR	6.97	0.00	-0.01	0.85	1.66	1.05
EX7BS02_S03	100YR-1HR	12.20	0.00	1.12	3.88	3.88	3.88
EX7BS03_PND7B2	100YR-1HR	12.20	0.00	-0.91	3.88	5.31	4.40
EX7BS05_S06	100YR-1HR	14.92	0.00	-0.02	3.41	3.40	3.41
EX7BS05_WEIR2	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7BS06_S07	100YR-1HR	14.93	0.00	0.02	3.41	3.41	3.41
EX7BS07_S08	100YR-1HR	14.93	0.00	0.02	3.41	3.40	3.41
EX7BS08_S09	100YR-1HR	14.97	0.00	0.01	3.41	3.43	3.42
EX7BS09_S10	100YR-1HR	14.97	0.00	0.05	3.43	1.56	2.49
EX7BS10_PL	100YR-1HR	33.53	0.00	-2.27	3.49	3.49	3.49
EX7BS71_SWL7B1	100YR-1HR	9.08	0.00	0.05	7.40	22.02	14.32
EX7BS72_S71	100YR-1HR	4.23	0.00	0.01	3.45	9.63	6.36
EX7BS73_S74	100YR-1HR	9.06	0.00	0.01	7.38	7.38	7.38
EX7BS74A_S78A	100YR-1HR	14.14	0.00	-0.01	1.22	0.95	1.01
EX7BS74_S74A	100YR-1HR	13.52	0.00	0.10	11.02	29.28	20.15
EX7BS75_PND7B1	100YR-1HR	12.70	0.00	-0.01	7.19	12.91	10.05
EX7BS76_S75	100YR-1HR	4.70	0.00	0.00	3.83	10.76	6.94
EX7BS77_PND7B1	100YR-1HR	16.65	0.00	0.56	5.30	6.67	5.90
EX7BS78A_S78	100YR-1HR	12.85	-2.39	-0.24	7.27	7.27	7.27
EX7BS78_S77	100YR-1HR	15.15	0.00	1.35	4.82	4.82	4.82
EX7BS81_S82	100YR-1HR	12.55	0.00	0.58	3.99	5.97	4.97
EX7BS82_PND7B2	100YR-1HR	15.35	0.00	0.21	4.89	6.48	5.68
EX7BS83A_S83	100YR-1HR	2.58	0.00	0.01	2.74	11.79	7.27
EX7BS83_PND7B2	100YR-1HR	4.46	0.00	0.03	3.13	15.73	9.43
EX7BS84_PND7B2	100YR-1HR	3.21	0.00	0.10	5.12	18.63	10.93
EX7BS85A_S83A	100YR-1HR	2.58	0.00	0.00	2.69	9.86	6.27
EX7BS85_S85A	100YR-1HR	2.59	0.00	0.01	2.49	5.01	3.75
EX7BS86A_S87	100YR-1HR	7.73	0.00	0.02	6.30	9.30	6.30
EX7BS86_S86A	100YR-1HR	7.14	0.00	0.01	5.82	5.82	5.82

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX7BS87_S201	100YR-1HR	17.55	0.00	0.28	9.93	10.20	10.07
EX7BS88_S87	100YR-1HR	4.57	0.00	0.02	2.92	4.48	3.31
EXCS7BS05_WEIR1	100YR-1HR	14.90	0.00	0.01	3.12	3.12	3.12
PND7B1_S02	100YR-1HR	12.19	0.00	-0.83	3.88	3.88	3.88
POND7B2_WEIR	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
PR7BS201_PND7B2	100YR-1HR	72.32	0.00	-61.37	40.95	182.42	99.86
SWL7B1_PND7B1	100YR-1HR	9.15	0.00	-0.01	0.57	3.14	1.85
EX7BFLUME_S78A	100YR-24HR	1.11	0.00	-0.01	0.40	0.50	0.34
EX7BS02_S03	100YR-24HR	13.23	0.00	1.14	4.21	4.21	4.21
EX7BS03_PND7B2	100YR-24HR	13.23	0.00	-0.93	4.21	4.21	4.21
EX7BS05_S06	100YR-24HR	18.61	0.00	0.02	3.63	3.62	3.62
EX7BS05_WEIR2	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7BS06_S07	100YR-24HR	18.67	0.00	0.02	3.63	3.63	3.63
EX7BS07_S08	100YR-24HR	18.67	0.00	0.02	3.63	3.61	3.62
EX7BS08_S09	100YR-24HR	18.80	0.00	0.02	3.64	3.65	3.64
EX7BS09_S10	100YR-24HR	18.80	-0.01	-0.26	3.65	1.95	2.80
EX7BS10_PL	100YR-24HR	33.53	-0.08	2.12	3.49	3.49	3.49
EX7BS71_SWL7B1	100YR-24HR	1.66	0.00	0.05	3.41	13.90	8.33
EX7BS72_S71	100YR-24HR	0.73	0.00	-0.01	1.91	4.18	2.83
EX7BS73_S74	100YR-24HR	1.79	0.00	0.01	2.32	2.93	2.63
EX7BS74A_S78A	100YR-24HR	3.53	0.00	0.00	0.90	0.33	0.60
EX7BS74_S74A	100YR-24HR	2.59	0.00	0.10	5.24	18.25	10.73
EX7BS75_PND7B1	100YR-24HR	2.23	0.00	0.01	2.44	5.45	3.61
EX7BS76_S75	100YR-24HR	0.81	0.00	0.00	2.00	1.06	1.53
EX7BS77_PND7B1	100YR-24HR	6.39	0.00	-0.28	2.29	3.58	2.82
EX7BS78A_S78	100YR-24HR	4.66	-0.06	0.13	2.64	2.72	2.64
EX7BS78_S77	100YR-24HR	5.83	0.00	1.08	2.67	2.05	2.28
EX7BS81_S82	100YR-24HR	12.55	0.00	-1.04	3.99	5.97	4.97
EX7BS82_PND7B2	100YR-24HR	3.04	0.00	0.33	1.84	2.66	2.24
EX7BS83A_S83	100YR-24HR	0.45	0.00	0.01	1.93	7.00	4.46
EX7BS83_PN	100YR-24HR	0.77	0.00	0.04	2.42	0.92	1.53

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D7B2							
EX7BS84_PND7B2	100YR-24HR	0.55	0.00	0.20	5.13	1.26	2.92
EX7BS85A_S83A	100YR-24HR	0.45	0.00	0.00	1.77	5.87	3.82
EX7BS85_S85A	100YR-24HR	0.45	0.00	0.01	1.56	3.00	2.28
EX7BS86A_S87	100YR-24HR	1.14	0.00	0.01	2.12	6.64	4.38
EX7BS86_S86A	100YR-24HR	1.14	0.00	0.01	2.05	3.87	2.89
EX7BS87_S201	100YR-24HR	2.43	0.00	0.00	2.54	3.01	2.77
EX7BS88_S87	100YR-24HR	0.62	0.00	-0.01	1.70	3.46	2.58
EXCS7BS05_WEIR1	100YR-24HR	18.57	0.00	0.01	3.27	3.27	3.27
PND7B1_S02	100YR-24HR	13.23	0.00	-0.84	4.21	4.21	4.21
POND7B2_WEIR	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
PR7BS201_PND7B2	100YR-24HR	2.43	0.00	-0.02	3.77	43.05	23.41
SWL7B1_PND7B1	100YR-24HR	2.72	0.00	-0.01	0.38	2.42	1.40
EX7BFLUME_S78A	10YR-1HR	5.24	0.00	-0.01	0.79	1.56	0.98
EX7BS02_S03	10YR-1HR	9.78	0.00	1.07	3.12	3.49	3.31
EX7BS03_PND7B2	10YR-1HR	9.77	0.00	-0.87	3.49	5.21	4.31
EX7BS05_S06	10YR-1HR	6.56	0.00	0.02	2.73	2.84	2.73
EX7BS05_WEIR2	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7BS06_S07	10YR-1HR	6.56	0.00	0.02	2.72	2.73	2.73
EX7BS07_S08	10YR-1HR	6.56	0.00	0.02	2.73	2.76	2.73
EX7BS08_S09	10YR-1HR	6.56	0.00	0.01	2.72	2.75	2.74
EX7BS09_S10	10YR-1HR	6.56	0.00	0.05	2.75	0.68	1.71
EX7BS10_PL	10YR-1HR	33.53	0.00	-2.20	3.49	3.49	3.49
EX7BS71_SWL7B1	10YR-1HR	6.05	0.00	0.05	4.93	20.26	12.59
EX7BS72_S71	10YR-1HR	2.91	0.00	0.01	2.77	6.77	4.44
EX7BS73_S74	10YR-1HR	5.87	0.00	-0.01	4.79	4.79	4.79
EX7BS74A_S78A	10YR-1HR	8.85	0.00	-0.01	1.13	0.86	0.93
EX7BS74_S74A	10YR-1HR	8.97	0.00	0.10	7.31	26.15	16.73
EX7BS75_PND7B1	10YR-1HR	8.65	0.00	0.01	4.90	11.72	8.31
EX7BS76_S75	10YR-1HR	3.23	0.00	0.00	2.90	10.34	6.62

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX7BS77_PND7B1	10YR-1HR	12.01	0.00	-0.26	3.82	5.88	4.84
EX7BS78A_S78	10YR-1HR	9.56	-1.83	0.01	5.41	5.41	5.41
EX7BS78_S77	10YR-1HR	11.01	0.00	-0.02	3.55	3.56	3.53
EX7BS81_S82	10YR-1HR	12.55	-0.01	-0.09	3.99	5.97	4.97
EX7BS82_PND7B2	10YR-1HR	10.05	-0.04	-0.03	3.47	5.49	4.47
EX7BS83A_S83	10YR-1HR	1.78	0.00	-0.01	2.50	10.57	6.53
EX7BS83_PND7B2	10YR-1HR	3.06	0.00	-0.02	2.85	14.09	8.47
EX7BS84_PND7B2	10YR-1HR	2.21	0.00	-0.14	5.11	16.65	9.89
EX7BS85A_S83A	10YR-1HR	1.78	0.00	0.00	2.42	8.85	5.63
EX7BS85_S85A	10YR-1HR	1.78	0.00	0.01	2.24	4.51	3.37
EX7BS86A_S87	10YR-1HR	4.52	0.00	0.01	3.69	9.30	6.19
EX7BS86_S86A	10YR-1HR	4.52	0.00	0.01	3.69	4.26	3.97
EX7BS87_S201	10YR-1HR	11.25	0.00	0.30	6.37	6.60	6.48
EX7BS88_S87	10YR-1HR	2.48	0.00	0.01	2.46	4.45	3.29
EXCS7BS05_WEIR1	10YR-1HR	6.56	0.00	0.01	2.38	2.38	2.38
PND7B1_S02	10YR-1HR	9.80	0.00	-0.78	3.12	3.12	3.12
POND7B2_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
PR7BS201_PND7B2	10YR-1HR	70.16	0.00	-60.95	40.65	182.44	99.88
SWL7B1_PND7B1	10YR-1HR	5.44	0.00	-0.01	0.48	2.87	1.68
EX7BFLUME_S78A	10YR-24HR	0.92	0.00	0.00	0.39	0.41	0.29
EX7BS02_S03	10YR-24HR	8.75	0.00	1.03	2.78	2.78	2.78
EX7BS03_PND7B2	10YR-24HR	8.75	0.00	-0.91	2.78	3.72	2.98
EX7BS05_S06	10YR-24HR	12.17	0.00	0.02	3.23	3.22	3.22
EX7BS05_WEIR2	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7BS06_S07	10YR-24HR	12.20	0.00	0.02	3.22	3.23	3.22
EX7BS07_S08	10YR-24HR	12.20	0.00	0.02	3.23	3.21	3.22
EX7BS08_S09	10YR-24HR	12.26	-0.01	0.04	3.23	3.25	3.24
EX7BS09_S10	10YR-24HR	12.26	-0.04	0.48	3.25	1.27	2.26
EX7BS10_PL	10YR-24HR	33.53	-0.08	-2.13	3.49	3.49	3.49

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX7BS71_SWL7B1	10YR-24HR	1.09	0.00	0.10	3.43	12.24	7.45
EX7BS72_S71	10YR-24HR	0.48	0.00	-0.01	1.74	1.17	1.44
EX7BS73_S74	10YR-24HR	1.16	0.00	0.01	2.05	2.91	2.41
EX7BS74A_S78A	10YR-24HR	2.15	0.00	0.00	0.84	0.32	0.58
EX7BS74_S74A	10YR-24HR	1.69	0.00	-0.14	5.24	16.07	9.59
EX7BS75_PND7B1	10YR-24HR	1.47	0.00	0.01	2.19	4.77	3.19
EX7BS76_S75	10YR-24HR	0.54	0.00	0.00	1.83	0.95	1.39
EX7BS77_PND7B1	10YR-24HR	4.70	0.00	0.15	2.28	3.55	2.81
EX7BS78A_S78	10YR-24HR	3.54	-0.04	0.09	2.56	2.85	2.71
EX7BS78_S77	10YR-24HR	4.28	0.00	-0.76	2.70	2.04	2.26
EX7BS81_S82	10YR-24HR	12.55	0.00	0.69	3.99	5.97	4.97
EX7BS82_PND7B2	10YR-24HR	1.89	0.00	0.30	1.83	2.34	1.98
EX7BS83A_S83	10YR-24HR	0.29	0.00	0.01	1.82	0.00	0.91
EX7BS83_PND7B2	10YR-24HR	0.51	0.00	-0.04	2.41	0.84	1.51
EX7BS84_PND7B2	10YR-24HR	0.41	0.00	0.20	5.13	0.65	2.67
EX7BS85A_S83A	10YR-24HR	0.29	0.00	0.00	1.64	5.18	3.41
EX7BS85_S85A	10YR-24HR	0.29	0.00	-0.01	1.47	2.65	2.03
EX7BS86A_S87	10YR-24HR	0.75	0.00	0.01	1.91	5.87	3.89
EX7BS86_S86A	10YR-24HR	0.75	0.00	0.01	1.84	3.72	2.78
EX7BS87_S201	10YR-24HR	1.61	0.00	0.00	2.27	2.64	2.46
EX7BS88_S87	10YR-24HR	0.41	0.00	-0.01	1.53	3.06	2.29
EXCS7BS05_WEIR1	10YR-24HR	12.15	0.00	0.01	2.92	2.92	2.92
PND7B1_S02	10YR-24HR	8.74	0.00	-0.83	2.78	2.78	2.78
POND7B2_WEIR	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
PR7BS201_PND7B2	10YR-24HR	1.61	0.00	0.02	3.33	0.69	1.88
SWL7B1_PND7B1	10YR-24HR	2.72	0.00	-0.01	0.38	2.42	1.40
EX7BFLUME_S78A	25YR-72HR	3.00	0.00	-0.01	0.50	0.25	0.38

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX7BS02_S03	25YR-72HR	15.76	0.00	0.95	5.02	5.02	5.02
EX7BS03_PND7B2	25YR-72HR	15.77	0.00	-0.85	5.02	5.02	5.02
EX7BS05_S06	25YR-72HR	33.09	0.00	0.02	4.33	4.31	4.32
EX7BS05_WEIR2	25YR-72HR	0.00	0.00	0.00	0.00	0.00	0.00
EX7BS06_S07	25YR-72HR	33.27	0.00	0.02	4.33	4.33	4.33
EX7BS07_S08	25YR-72HR	33.27	0.00	0.05	4.33	4.22	4.27
EX7BS08_S09	25YR-72HR	33.68	-0.01	-1.08	4.27	4.32	4.29
EX7BS09_S10	25YR-72HR	33.68	-0.05	3.33	4.32	3.50	3.91
EX7BS10_PL	25YR-72HR	33.68	-0.08	2.27	3.50	3.50	3.50
EX7BS71_SWL7B1	25YR-72HR	7.62	0.00	0.10	6.21	19.81	12.18
EX7BS72_S71	25YR-72HR	3.34	0.00	-0.01	2.93	9.37	6.15
EX7BS73_S74	25YR-72HR	8.16	0.00	-0.01	6.65	6.65	6.65
EX7BS74A_S78A	25YR-72HR	14.93	0.00	-0.01	1.19	0.67	0.91
EX7BS74_S74A	25YR-72HR	11.75	0.00	0.20	9.57	28.18	18.88
EX7BS75_PND7B1	25YR-72HR	10.19	0.00	-0.06	5.76	10.51	6.93
EX7BS76_S75	25YR-72HR	3.71	0.00	0.00	3.10	10.75	6.93
EX7BS77_PND7B1	25YR-72HR	14.22	0.00	-0.28	4.53	4.53	4.53
EX7BS78A_S78	25YR-72HR	9.72	0.00	-0.21	5.50	5.50	5.50
EX7BS78_S77	25YR-72HR	11.69	0.00	1.34	3.72	3.72	3.72
EX7BS81_S82	25YR-72HR	12.55	0.00	0.88	3.99	5.97	4.97
EX7BS82_PND7B2	25YR-72HR	14.09	0.00	-0.32	4.49	4.49	4.49
EX7BS83A_S83	25YR-72HR	2.04	0.00	0.01	2.58	11.00	6.79
EX7BS83_PND7B2	25YR-72HR	3.50	0.00	-1.11	2.94	1.98	2.46
EX7BS84_PND7B2	25YR-72HR	2.54	0.00	0.15	5.12	1.43	2.64
EX7BS85A_S83A	25YR-72HR	2.04	0.00	0.00	2.51	9.21	5.86
EX7BS85_S85A	25YR-72HR	2.04	0.00	0.01	2.33	4.69	3.51
EX7BS86A_S87	25YR-72HR	5.19	0.00	0.01	4.23	9.30	6.19
EX7BS86_S86A	25YR-72HR	5.19	0.00	0.01	4.23	4.42	4.32
EX7BS87_S201	25YR-72HR	11.12	0.00	0.03	6.29	6.48	6.39
EX7BS88_S87	25YR-72HR	2.84	0.00	-0.01	2.56	4.46	3.29

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EXCS7BS05_WEIR1	25YR-72HR	33.00	0.00	-0.01	3.56	3.56	3.56
PND7B1_S02	25YR-72HR	15.75	0.00	-0.77	5.01	5.01	5.01
POND7B2_WEIR	25YR-72HR	8.13	0.00	0.01	2.03	2.03	2.03
PR7BS201_POND7B2	25YR-72HR	23.33	0.00	14.75	16.35	172.29	94.32
SWL7B1_POND7B1	25YR-72HR	10.21	0.00	-0.01	0.59	3.20	1.90

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BFLUME	100YR-1HR	18690	19055	-364
EX7BFLUME	100YR-24HR	50726	50777	-52
EX7BFLUME	10YR-1HR	12746	13017	-271
EX7BFLUME	10YR-24HR	33206	33232	-26
EX7BFLUME	25YR-72HR	52877	52946	-68

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS02	100YR-1HR	178455	178268	188
EX7BS02	100YR-24HR	678072	677926	146
EX7BS02	10YR-1HR	92493	92277	216
EX7BS02	10YR-24HR	400429	400246	183
EX7BS02	25YR-72HR	675289	675091	198

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS03	100YR-1HR	178268	178029	238
EX7BS03	100YR-24HR	677926	677651	276
EX7BS03	10YR-1HR	92277	92066	211
EX7BS03	10YR-24HR	400246	400012	234
EX7BS03	25YR-72HR	675091	674894	197

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS05	100YR-1HR	200885	200878	6
EX7BS05	100YR-24HR	886882	886879	3
EX7BS05	10YR-1HR	82095	82089	5
EX7BS05	10YR-24HR	506605	506601	4
EX7BS05	25YR-72HR	931852	931845	6

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS06	100YR-1HR	201177	201171	7

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS06	100YR-24HR	888902	888896	6
EX7BS06	10YR-1HR	82195	82189	6
EX7BS06	10YR-24HR	507588	507582	5
EX7BS06	25YR-72HR	934004	933998	6

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS07	100YR-1HR	201171	201160	11
EX7BS07	100YR-24HR	888896	888891	5
EX7BS07	10YR-1HR	82189	82183	6
EX7BS07	10YR-24HR	507582	507574	8
EX7BS07	25YR-72HR	933998	933996	3

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS08	100YR-1HR	201918	201912	5
EX7BS08	100YR-24HR	893508	893502	6
EX7BS08	10YR-1HR	82476	82469	7
EX7BS08	10YR-24HR	509917	509917	0
EX7BS08	25YR-72HR	938971	939014	-43

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS09	100YR-1HR	201912	201951	-39
EX7BS09	100YR-24HR	893562	893597	-34
EX7BS09	10YR-1HR	82469	82510	-40
EX7BS09	10YR-24HR	510072	510114	-42
EX7BS09	25YR-72HR	939383	939955	-572

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS10	100YR-1HR	201951	202073	-121
EX7BS10	100YR-24HR	893759	893865	-106
EX7BS10	10YR-1HR	82510	82614	-104

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS10	10YR-24HR	510397	510609	-212
EX7BS10	25YR-72HR	940442	939912	530

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS71	100YR-1HR	20000	19772	228
EX7BS71	100YR-24HR	57265	57036	229
EX7BS71	10YR-1HR	13174	12946	228
EX7BS71	10YR-24HR	36840	36610	230
EX7BS71	25YR-72HR	59777	59560	217

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS72	100YR-1HR	9522	9521	0
EX7BS72	100YR-24HR	25841	25841	0
EX7BS72	10YR-1HR	6493	6493	0
EX7BS72	10YR-24HR	16916	16916	0
EX7BS72	25YR-72HR	26938	26937	0

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS73	100YR-1HR	19795	19561	234
EX7BS73	100YR-24HR	60106	59874	232
EX7BS73	10YR-1HR	12518	12284	233
EX7BS73	10YR-24HR	37956	37724	232
EX7BS73	25YR-72HR	62834	62600	233

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS74	100YR-1HR	29964	29964	1
EX7BS74	100YR-24HR	88108	88106	2
EX7BS74	10YR-1HR	19379	19378	1
EX7BS74	10YR-24HR	56206	56201	5
EX7BS74	25YR-72HR	92032	92022	10

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS74A	100YR-1HR	34508	36776	-2268
EX7BS74A	100YR-24HR	118149	118454	-306
EX7BS74A	10YR-1HR	21013	22116	-1102
EX7BS74A	10YR-24HR	70964	71020	-56
EX7BS74A	25YR-72HR	124067	126224	-2157

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS75	100YR-1HR	27974	27747	227
EX7BS75	100YR-24HR	77795	77569	226
EX7BS75	10YR-1HR	18751	18524	227
EX7BS75	10YR-24HR	50538	50312	226
EX7BS75	25YR-72HR	81143	80916	227

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS76	100YR-1HR	10579	10227	353
EX7BS76	100YR-24HR	28713	28360	352
EX7BS76	10YR-1HR	7215	6862	353
EX7BS76	10YR-24HR	18796	18443	352
EX7BS76	25YR-72HR	29931	29578	353

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS77	100YR-1HR	81165	80729	436
EX7BS77	100YR-24HR	270362	270075	288
EX7BS77	10YR-1HR	50433	50075	358
EX7BS77	10YR-24HR	163702	163428	274
EX7BS77	25YR-72HR	283755	283489	266

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS78	100YR-1HR	76253	76309	-56

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS78	100YR-24HR	248090	248101	-11
EX7BS78	10YR-1HR	47962	47961	1
EX7BS78	10YR-24HR	150249	150254	-5
EX7BS78	25YR-72HR	260275	260285	-10

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS78A	100YR-1HR	62561	59854	2706
EX7BS78A	100YR-24HR	204001	203586	416
EX7BS78A	10YR-1HR	38219	36779	1440
EX7BS78A	10YR-24HR	121252	121116	136
EX7BS78A	25YR-72HR	216156	213883	2273

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS81	100YR-1HR	22922	23198	-276
EX7BS81	100YR-24HR	62211	62547	-336
EX7BS81	10YR-1HR	15639	15912	-273
EX7BS81	10YR-24HR	40724	41022	-298
EX7BS81	25YR-72HR	64850	65137	-288

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS82	100YR-1HR	34974	34322	652
EX7BS82	100YR-24HR	104998	104642	356
EX7BS82	10YR-1HR	23041	22570	470
EX7BS82	10YR-24HR	65982	65689	292
EX7BS82	25YR-72HR	109802	109537	265

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS83	100YR-1HR	10002	10001	0
EX7BS83	100YR-24HR	27231	27232	-1
EX7BS83	10YR-1HR	6806	6805	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS83	10YR-24HR	17809	17809	0
EX7BS83	25YR-72HR	28387	28384	3

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS83A	100YR-1HR	5770	5770	0
EX7BS83A	100YR-24HR	15746	15746	0
EX7BS83A	10YR-1HR	3920	3920	0
EX7BS83A	10YR-24HR	10291	10291	0
EX7BS83A	25YR-72HR	16414	16414	0

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS84	100YR-1HR	7229	7228	1
EX7BS84	100YR-24HR	19620	19543	78
EX7BS84	10YR-1HR	4930	4929	1
EX7BS84	10YR-24HR	12844	12790	54
EX7BS84	25YR-72HR	20453	20449	3

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS85	100YR-1HR	5819	5819	0
EX7BS85	100YR-24HR	15792	15792	0
EX7BS85	10YR-1HR	3968	3968	0
EX7BS85	10YR-24HR	10338	10338	0
EX7BS85	25YR-72HR	16462	16462	0

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS85A	100YR-1HR	5819	5770	49
EX7BS85A	100YR-24HR	15792	15746	46
EX7BS85A	10YR-1HR	3968	3920	48
EX7BS85A	10YR-24HR	10338	10291	46
EX7BS85A	25YR-72HR	16462	16414	47

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS86	100YR-1HR	14811	14811	0
EX7BS86	100YR-24HR	40198	40198	0
EX7BS86	10YR-1HR	10101	10100	0
EX7BS86	10YR-24HR	26314	26314	0
EX7BS86	25YR-72HR	41903	41902	0

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS86A	100YR-1HR	14811	14811	0
EX7BS86A	100YR-24HR	40198	40198	0
EX7BS86A	10YR-1HR	10100	10100	0
EX7BS86A	10YR-24HR	26314	26314	0
EX7BS86A	25YR-72HR	41902	41902	0

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS87	100YR-1HR	31740	31726	14
EX7BS87	100YR-24HR	86138	86137	1
EX7BS87	10YR-1HR	21642	21630	12
EX7BS87	10YR-24HR	56387	56387	0
EX7BS87	25YR-72HR	89791	89787	4

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX7BS88	100YR-1HR	8111	8113	-2
EX7BS88	100YR-24HR	22013	22013	0
EX7BS88	10YR-1HR	5531	5529	2
EX7BS88	10YR-24HR	14410	14410	0
EX7BS88	25YR-72HR	22947	22946	1

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PATRICIA LAKE	100YR-1HR	202073	0	202073

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PATRICIA LAKE	100YR-24HR	893804	162	893642
PATRICIA LAKE	10YR-1HR	82614	0	82614
PATRICIA LAKE	10YR-24HR	510454	300	510154
PATRICIA LAKE	25YR-72HR	939542	548	938994

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 7B1	100YR-1HR	237292	178455	58837
POND 7B1	100YR-24HR	736825	678071	58754
POND 7B1	10YR-1HR	151275	92493	58782
POND 7B1	10YR-24HR	459115	400428	58686
POND 7B1	25YR-72HR	769452	710277	59175

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 7B2	100YR-1HR	273991	200660	73330
POND 7B2	100YR-24HR	958753	885365	73388
POND 7B2	10YR-1HR	155617	82052	73565
POND 7B2	10YR-24HR	579263	505864	73399
POND 7B2	25YR-72HR	1003568	930233	73335

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR7BS201	100YR-1HR	31726	31495	231
PR7BS201	100YR-24HR	86137	86137	0
PR7BS201	10YR-1HR	21630	21624	6
PR7BS201	10YR-24HR	56387	56387	0
PR7BS201	25YR-72HR	89787	89666	121

Node Mass Balance Condensed [Icpr3]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 7B1	100YR-1HR	23033	25935	-2902
SWALE 7B1	100YR-24HR	78138	81004	-2867
SWALE 7B1	10YR-1HR	14143	17031	-2889

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 7B1	10YR-24HR	47047	49907	-2860
SWALE 7B1	25YR-72HR	82056	82999	-943

System 10

Pre-Development Land Use Tables
Post-Development Land Use Tables
Drainage Calculations
Pre-Development Node Link Diagram
Pre-Development ICPR Input/Output

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

PRE-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 10 **SHGWT EL. (ft-NAVD): 1.53**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
10B09	10	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	5.70	4.17	8.18	98.00
10B14	10	0.64	0.13	0.00	0.00	0.13	0.51	0.00	0.00	0.51	5.40	3.87	4.95	66.89
10B16	10	1.64	1.64	1.64	0.00	0.00	0.00	0.00	0.00	0.00	6.10	4.57	8.18	98.00
10B17	10	0.07	0.02	0.00	0.00	0.02	0.05	0.00	0.00	0.05	2.70	1.17	0.45	95.69
10B18	10	0.85	0.85	0.85	0.00	0.00	0.00	0.00	0.00	0.00	5.70	4.17	8.18	98.00
10B19	10	1.67	1.67	1.67	0.00	0.00	0.00	0.00	0.00	0.00	6.00	4.47	8.18	98.00
10B19A	10	0.76	0.14	0.00	0.00	0.14	0.62	0.00	0.00	0.62	5.00	3.47	4.95	66.89
10B22	10	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	6.30	4.77	8.18	98.00
10B23	10	1.21	1.21	1.21	0.00	0.00	0.00	0.00	0.00	0.00	13.40	11.87	8.18	98.00
10B24	10	0.69	0.69	0.69	0.00	0.00	0.00	0.00	0.00	0.00	13.40	11.87	8.18	98.00
10B25	10	0.68	0.68	0.68	0.00	0.00	0.00	0.00	0.00	0.00	18.40	16.87	8.18	98.00
10B27	10	2.45	2.45	2.45	0.00	0.00	0.00	0.00	0.00	0.00	25.40	23.87	8.18	98.00
10B76	10	0.12	0.12	0.12	0.00	0.00	0.00	0.00	0.00	0.00	18.20	16.67	8.18	98.00
10B77	10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	14.80	13.27	8.18	98.00
10B78	10	0.19	0.19	0.19	0.00	0.00	0.00	0.00	0.00	0.00	19.90	18.37	8.18	98.00
10B112	10	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	6.20	4.67	8.18	98.00
10B114	10	1.03	1.03	1.03	0.00	0.00	0.00	0.00	0.00	0.00	5.30	3.77	4.95	98.00
10BA2	10	0.99	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	5.90	4.37	8.18	98.00
10BA5	10	0.31	0.31	0.31	0.00	0.00	0.00	0.00	0.00	0.00	5.90	4.37	8.18	98.00
10BA10	10	0.42	0.42	0.42	0.00	0.00	0.00	0.00	0.00	0.00	5.30	3.77	4.95	98.00
POND 10E1	10	0.27	0.27	0.00	0.00	0.27	0.00	0.00	0.00	0.00	2.40	0.87	0.00	98.00
POND 10E2	10	0.30	0.30	0.00	0.00	0.30	0.00	0.00	0.00	0.00	2.40	0.87	0.00	98.00
POND 10E3	10	1.00	1.00	0.07	0.00	0.93	0.00	0.00	0.00	0.00	2.40	0.87	0.00	98.00
POND 10E4	10	0.77	0.77	0.00	0.00	0.77	0.00	0.00	0.00	0.00	2.50	0.97	0.00	98.00
POND 10W5	10	1.17	1.17	0.00	0.00	1.17	0.00	0.00	0.00	0.00	2.40	0.87	0.00	98.00
POND 10W6	10	1.39	1.39	0.00	0.00	1.39	0.00	0.00	0.00	0.00	2.40	0.87	0.00	98.00
SWALE 10E1B	10	1.07	0.48	0.00	0.00	0.48	0.59	0.00	0.00	0.59	2.43	0.90	0.00	98.00
SYSTEM TOTALS		23.55	21.78	16.18	0.00	5.60	1.77	0.00	0.00	1.77	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 10 **SHGWT EL. (ft-NAVD): 1.53**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
10B14	**10**	**0.61**	**0.10**	0.00	0.00	0.10	**0.51**	0.00	0.00	0.51	5.40	3.87	4.95	**66.89**
10B17	**10**	**0.14**	**0.03**	0.00	0.00	0.03	**0.11**	0.00	0.00	0.11	2.70	1.17	0.45	**95.69**
10B76	**10**	**0.12**	**0.12**	0.12	0.00	0.00	**0.00**	0.00	0.00	0.00	18.20	16.67	8.18	**98.00**
10B77	**10**	**0.10**	**0.10**	0.10	0.00	0.00	**0.00**	0.00	0.00	0.00	14.80	13.27	8.18	**98.00**
10B80	**10**	**0.18**	**0.18**	0.18	0.00	0.00	**0.00**	0.00	0.00	0.00	16.40	12.00	8.18	**98.00**
POND 10E1	**10**	**0.27**	**0.27**	0.00	0.00	0.27	**0.00**	0.00	0.00	0.00	2.55	1.02	0.45	**95.69**
POND 10E2	**10**	**0.27**	**0.27**	0.00	0.00	0.27	**0.00**	0.00	0.00	0.00	2.55	1.02	0.45	**95.69**
SWALE 10E1	**10**	**1.05**	**0.32**	0.00	0.00	0.32	**0.73**	0.00	0.00	0.73	4.00	2.47	1.88	**84.18**
EXCS10S69 TOTALS		**2.74**	**1.39**	0.40	0.00	0.99	**1.35**	0.00	0.00	1.35	-	-	-	**-**
10B09	**10**	**0.65**	**0.65**	0.65	0.00	0.00	**0.00**	0.00	0.00	0.00	5.70	4.17	8.18	**98.00**
10B16	**10**	**1.97**	**1.97**	1.97	0.00	0.00	**0.00**	0.00	0.00	0.00	6.10	4.57	8.18	**98.00**
10B18	**10**	**0.57**	**0.57**	0.57	0.00	0.00	**0.00**	0.00	0.00	0.00	5.70	4.17	8.18	**98.00**
10B19	**10**	**1.67**	**1.67**	1.67	0.00	0.00	**0.00**	0.00	0.00	0.00	6.00	4.47	8.18	**98.00**
10B19A	**10**	**0.85**	**0.85**	0.85	0.00	0.00	**0.00**	0.00	0.00	0.00	5.00	3.47	4.95	**98.00**
10B22	**10**	**1.95**	**1.95**	1.95	0.00	0.00	**0.00**	0.00	0.00	0.00	6.30	4.77	8.18	**98.00**
10B23	**10**	**1.80**	**1.80**	1.80	0.00	0.00	**0.00**	0.00	0.00	0.00	13.40	11.87	8.18	**98.00**
10B24	**10**	**0.71**	**0.71**	0.71	0.00	0.00	**0.00**	0.00	0.00	0.00	13.40	11.87	8.18	**98.00**
10B25	**10**	**0.70**	**0.70**	0.70	0.00	0.00	**0.00**	0.00	0.00	0.00	18.40	16.87	8.18	**98.00**
10B27	**10**	**2.91**	**2.91**	2.91	0.00	0.00	**0.00**	0.00	0.00	0.00	25.40	23.87	8.18	**98.00**
10B78	**10**	**0.22**	**0.22**	0.22	0.00	0.00	**0.00**	0.00	0.00	0.00	19.90	18.37	8.18	**98.00**
POND 10E3	**10**	**0.97**	**0.97**	0.07	0.00	0.90	**0.00**	0.00	0.00	0.00	2.55	1.02	0.45	**95.99**
POND 10W7	**10**	**1.73**	**1.73**	0.00	0.00	1.73	**0.00**	0.00	0.00	0.00	2.55	1.02	0.45	**95.69**
SWALE 10W5	**10**	**1.37**	**1.37**	1.19	0.00	0.18	**0.00**	0.00	0.00	0.00	2.55	1.02	0.45	**98.00**
SWALE 10W6	**10**	**1.60**	**1.60**	1.29	0.00	0.31	**0.00**	0.00	0.00	0.00	2.55	1.02	0.45	**98.00**
PRCS10S72 TOTALS		**19.67**	**19.67**	16.55	0.00	3.12	**0.00**	0.00	0.00	0.00	-	-	-	**-**
10B112	**10**	**0.91**	**0.91**	0.91	0.00	0.00	**0.00**	0.00	0.00	0.00	6.20	4.67	8.18	**98.00**
10B114	**10**	**1.23**	**1.23**	1.23	0.00	0.00	**0.00**	0.00	0.00	0.00	5.30	3.77	4.95	**98.00**
10BA2	**10**	**0.97**	**0.97**	0.97	0.00	0.00	**0.00**	0.00	0.00	0.00	5.90	4.37	8.18	**98.00**
10BA5	**10**	**0.31**	**0.31**	0.31	0.00	0.00	**0.00**	0.00	0.00	0.00	5.90	4.37	8.18	**98.00**
10BA10	**10**	**0.42**	**0.42**	0.42	0.00	0.00	**0.00**	0.00	0.00	0.00	5.30	3.77	4.95	**98.00**
POND 10E4	**10**	**0.52**	**0.52**	0.00	0.00	0.52	**0.00**	0.00	0.00	0.00	2.55	1.02	0.45	**95.69**
PRCS10S116 TOTALS		**4.36**	**4.36**	3.84	0.00	0.52	**0.00**	0.00	0.00	0.00	-	-	-	**-**
SYSTEM TOTALS		**26.77**	**25.42**	**20.79**	**0.00**	**4.63**	**1.35**	**0.00**	**0.00**	**1.35**	**--**	**--**	**--**	**--**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY SUMMARY

Drainage System: ***10, 11, 12, 13***

SYSTEM - CONTROL STRUCTURE	SHGWT EL. (ft-NAVD)	TOTAL ONSITE AREA (Ac.) *[POST-DEV.]*	ONSITE IMPERVIOUS AREA (Ac.) *[POST-DEV.]*	ONSITE PERVIOUS AREA (Ac.) *[POST-DEV.]*	SFWMD 1" OVER TOTAL ONSITE AREA (Ac-ft)	SFWMD 2.5" OVER IMPERVIOUS AREA (Ac-ft)	[1] SFWMD WATER QUALITY TREATMENT REQUIRED FOR RETENTION	[2]DRER WATER QUALITY TREATMENT REQUIRED (Ac-ft)	[3]DRY- / WET-RETENTION TREATMENT VOLUME PROVIDED (Ac-ft)	FRENCH DRAIN TREATMENT VOLUME PROVIDED (Ac-ft)	TOTAL TREATMENT VOLUME PROVIDED (Ac-ft)	SFWMD SURPLUS TREATMENT VOLUME PROVIDED (Ac-ft)
10 - EXCS10S69	1.53	1.39	0.40	0.99	0.12	0.08	**0.12**	0.14	0.88	0.00	**0.88**	**0.76**
10 - PRCS10S116	1.53	4.36	3.84	0.52	0.36	0.80	**0.80**	0.59	0.77	0.27	**1.04**	**0.24**
10 - [3]PRCS10S72	1.53	19.67	16.55	3.12	1.64	3.45	**3.45**	2.62	2.49	1.25	**3.74**	**0.29**
11 - PRCS11S100	1.53	22.70	19.44	1.92	1.89	4.05	**4.05**	3.12	6.46	0.90	**7.36**	**3.31**
12 - PRCS12S100	1.53	13.41	6.14	5.04	1.12	1.28	**1.28**	1.63	9.47	0.00	**9.47**	**7.83**
13 - PRCS13S104	1.53	23.65	16.96	4.25	1.97	3.53	**3.53**	3.13	10.52	0.17	**10.69**	**7.15**
TOTALS	1.53	85.18	63.33	15.84	7.10	13.19	**13.19**	11.24	30.58	2.59	**33.17**	**19.98**

[1] 2.5" over Additional Impervious Area.

[2] See next page for water quality calculations by Miami-Dade Department of Regulatory and Economic Resources (DRER).

[3] Multiplied by 2 to account for 50% retention volume credit.

EXCS10S69

Pond 10E1			Pond 10E2			Swale 10E1		
TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.53	0.13	--	2.53	0.10	--	2.53	0.11	--
2.93	0.14	0.05	2.93	0.11	0.04	***3.68***	***0.14***	***0.14***
3.43	0.15	0.13	3.43	0.12	0.10	5.93	0.20	0.53
3.68	***0.16***	***0.16***	***3.68***	***0.13***	***0.13***			
3.93	0.16	0.20	3.93	0.14	0.16			
4.43	0.17	0.29	4.43	0.15	0.24			
4.93	0.18	0.37	4.93	0.16	0.31			

PRCS10S116

Pond 10E4		
TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.53	0.17	--
4.50	***0.22***	***0.38***
5.93	0.29	0.75

PRCS10S72

Pond 10E3			Swale 10W5			Swale 10W6			Pond 10W7		
TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.53	0.47	--	2.53	0.01	--	2.53	0.07	--	2.53	0.63	--
3.50	***0.51***	***0.48***	***3.50***	***0.01***	***0.01***	***3.50***	***0.11***	***0.09***	***3.50***	***0.75***	***0.67***
5.43	0.53	1.48	5.50	0.02	0.04	5.50	0.20	0.40	5.50	1.01	2.44

PRCS11S100

Pond 11W1			Pond 11W2			Swale 11W2		
TYPE:	Dry Retention		TYPE:	Wet Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.53	0.43	--	1.53	1.34	--	2.53	0.00	--
3.50	***0.43***	***0.42***	3.43	1.50	2.70	2.93	0.00	0.00
9.43	0.46	3.07	***3.50***	***1.51***	***2.80***	3.43	0.01	0.00
			7.43	1.80	9.30	***3.50***	***0.01***	***0.01***
						4.43	0.03	0.03
						5.43	0.06	0.07
						6.43	0.09	0.15

PRCS12S100

Pond 12W1			Pond 12W4		
TYPE:	Wet Retention		TYPE:	Wet Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
1.53	0.80	--	1.53	1.43	--
3.50	***0.97***	***1.74***	***3.50***	***1.61***	***2.99***
6.50	1.22	5.02	6.50	1.88	8.23

PRCS13S104

Pond 13E1			Pond 13E3		
TYPE:	Wet Retention		TYPE:	Wet Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
1.53	0.81	--	1.53	1.63	--
3.50	***1.00***	***1.78***	***3.50***	***1.90***	***3.48***
6.50	1.28	5.19	6.50	2.32	9.82

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY CALCULATIONS BY DRER

Drainage System: 10

AREA (EXCS10S69):

Onsite Impervious	**0.40**	Ac.	29%
Onsite Pervious	**0.99**	Ac.	71%
Total Area	**1.39**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.47 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV}) / A_T = \mathbf{0.47}$$

$t_{1"}$ = 23.48 min.

TOTAL TIME OF CONCENTRATION (T_T)

$T_T = t_{1"} + Tc =$ 33.48 min.

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 4.77 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ Q_{1"}\ T_T =$ **6300.18** **ft³** = **0.14** **ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY CALCULATIONS BY DRER

Drainage System: 10

AREA (PRCS10S72):

Onsite Impervious	**16.55**	Ac.	84%
Onsite Pervious	**3.12**	Ac.	16%
Total Area	**19.67**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.80 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV}) / A_T = \mathbf{0.80}$$

$t_{1"}$ = 11.43 min.

TOTAL TIME OF CONCENTRATION (T_T)

$T_T = t_{1"} + Tc =$ 21.43 min.

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.62 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ Q_{1"}\ T_T =$ **114294.59** **ft³** = **2.62** **ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY CALCULATIONS BY DRER

Drainage System: 10

AREA (PRCS10S116):

Onsite Impervious	**3.84**	Ac.	88%
Onsite Pervious	**0.52**	Ac.	12%
Total Area	**4.36**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.83 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV}) / A_T = \mathbf{0.83}$$

$t_{1"}$ = 11.03 min.

TOTAL TIME OF CONCENTRATION (T_T)

$T_T = t_{1"} + Tc =$ 21.03 min.

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.65 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ Q_{1"}\ T_T =$ **25739.36** **ft³** = **0.59** **ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

Variable Groundwater Calculations

Drainage System:	***10***

Stage = DHW + [PRG x (RF - DHW)]
See ADICPR Technical Design Guide 2-25

Elevation Conversion:	-1.57	ft.	(NGVD-NAVD)

DHW =	3.10	ft. - NGVD	Design High Water / October Average Groundwater Elevation
	1.53	ft. - NAVD	(MD PWD - W.C. 2.2)
RF =	4.55	ft. - NGVD	Return Frequency Groundwater Elevation / Average Yearly Highest Groundwater Level (AYH) (MD
	2.98	ft. - NAVD	PWD - W.C. 2.1)
PRG=	Variable		(Percentage Rise in Groundwater)

8-hr Design Storm Duration		
Time	PRG	Stage
(hrs)	%	(ft)
0	0.00	1.53
1	0.02	1.56
2	0.13	1.72
3	0.28	1.94
4	0.70	2.55
5	0.86	2.78
6	0.92	2.86
7	0.97	2.94
8	1.00	2.98
12	0.00	1.53

24-hr Design Storm Duration		
Time	PRG	Stage
(hrs)	%	(ft)
0	0.00	1.53
1	0.01	1.54
2	0.03	1.57
3	0.06	1.62
4	0.09	1.66
5	0.12	1.70
6	0.16	1.76
7	0.20	1.82
8	0.24	1.88
9	0.30	1.97
10	0.36	2.05
11	0.44	2.17
12	0.54	2.31
13	0.61	2.41
14	0.67	2.50
15	0.73	2.59
16	0.78	2.66
17	0.82	2.72
18	0.86	2.78
19	0.90	2.84
20	0.93	2.88
21	0.96	2.92
22	0.98	2.95
23	0.99	2.97
24	1.00	2.98
36	0.00	1.53

72-hr Design Storm Duration		
Time	PRG	Stage
(hrs)	%	(ft)
0	0.00	1.53
24	0.11	1.69
36	0.19	1.80
48	0.26	1.91
49	0.27	1.92
50	0.28	1.93
51	0.29	1.95
52	0.30	1.96
53	0.31	1.98
54	0.33	2.00
55	0.34	2.03
56	0.37	2.06
57	0.39	2.10
57.5	0.40	2.12
58	0.42	2.14
58.5	0.44	2.17
59	0.46	2.20
59.5	0.50	2.25
60	0.75	2.61
60.5	0.80	2.69
61	0.83	2.73
61.5	0.85	2.76
62	0.87	2.79
62.5	0.88	2.80
63	0.89	2.82
64	0.91	2.85
65	0.92	2.87
66	0.94	2.89
68	0.96	2.93
70	0.98	2.95
72	1.00	2.98
108	0.00	1.53

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

AVERAGE HYDRAULIC CONDUCTIVITY AND TEST HOLE DEPTH CALCULATIONS

SR-826/PALMETTO EXPRESSWAY - SYSTEM 10							
Test Depth	[1]Percolation Test Number (EX-#) and Ground Elevation					Average	Average FD K value
	EX-5	EX-6	EX-7	EX-8	-		
	5.8	6	5.8	5.8	-	5.85	
	(cfs/ft^2-ft Head)	(cfs/ft^2-ft Head)	(cfs/ft^2-ft Head)	(cfs/ft^2-ft Head)	(cfs/ft^2-ft Head)	(cfs/ft^2-ft Head)	(cfs/ft^2-ft Head)
10 ft	7.27E-04	3.24E-05	8.30E-03	1.68E-04	-	4.48E-04	4.48E-04
15 ft	-	-	-	-	-	-	
20 ft	-	-	-	-	-	-	

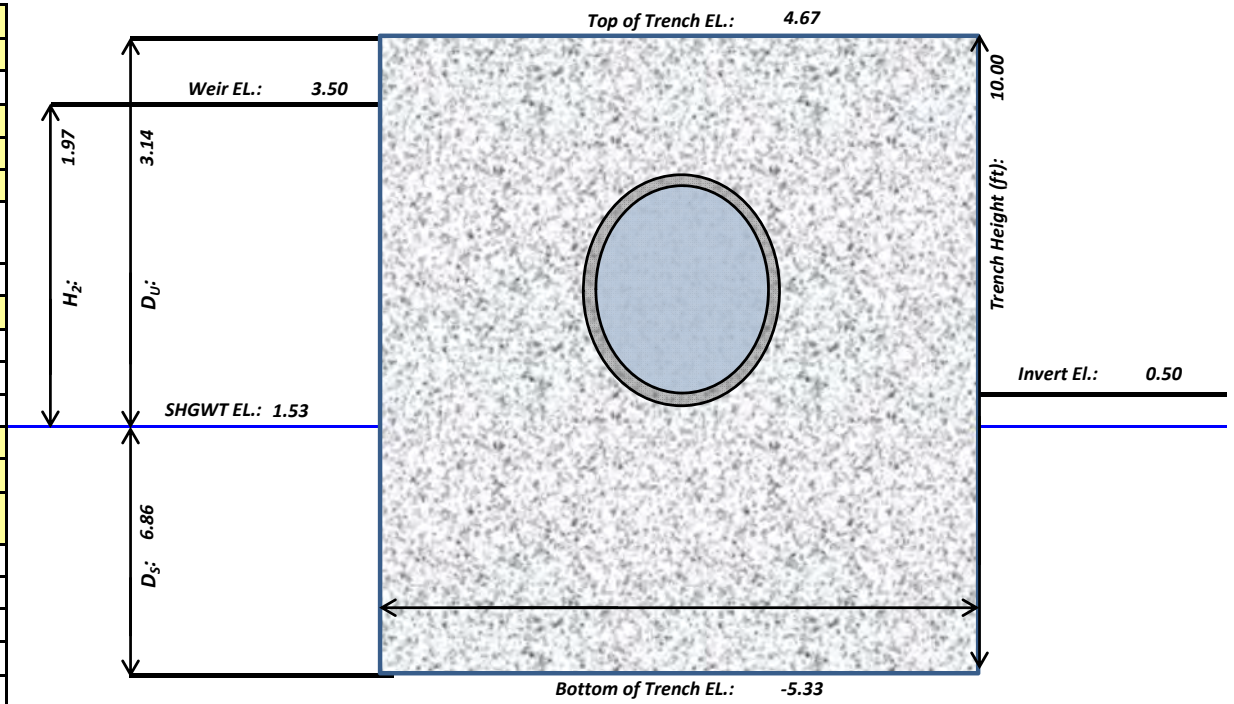
[1]Exfiltration test information derived from FPID 24964815201, Supplement No. 1 to Drainage Report, Section 8.2, Soil Test Information.

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 10

French Drain (ICPR Link Name):	**PR10S100_10GW1**
Existing/Proposed:	**Proposed**
SHGWT EL. (ft-NAVD):	1.53
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	192.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	96.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	0.50
Top of Trench EL. (ft-NAVD):	4.67
Bottom of Trench EL. (ft-NAVD):	-5.33
Trench Height, H_T (ft):	10.00
Weir EL. (ft-NAVD):	3.50
Trench Width, W (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	4.48E-04
Depth to Water Table, H_2 (ft):	1.97
Non-Saturated Trench Depth, D_U (ft):	3.14
Saturated Trench Depth, D_S (ft):	6.86
$H_2 W$:	8.87
$2H_2 D_U$:	12.36
D_U^2:	9.84
$2H_2 D_S$:	27.04
$(1.39x10^{-4})WD_U$:	0.001962
d_2:	1.18
d_3:	0.00
K_{10}:	4.48E-04
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	1.46
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.12**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 10

French Drain (ICPR Link Name): **PR10S100_10GW1**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **48.00**

Trench Height, H_T (ft): **10.00**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head): **4.475E-04**

Pipe Invert EL. (ft-NAVD): **0.50**

Top of Trench EL. (ft-NAVD): **4.67**

Bottom of Trench EL. (ft-NAVD): **-5.33**

Weir EL. (ft-NAVD): **3.50**

Upstream Structure Rim/Grate EL. (ft-NAVD): **5.50**

SHGWT EL. (ft-NAVD): **1.53**

Max GW EL. (ft-NAVD): ***5.50***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.53	**1.53**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.53	**4.67**	3.14	5.68	3.14	0.02035	**0.9767**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.53	**5.50**	3.14	5.68	3.97	0.02692	**1.2924**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.67**	1.69	6.68	1.69	0.01136	**0.5451**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**5.50**	1.69	6.68	2.52	0.01760	**0.8447**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

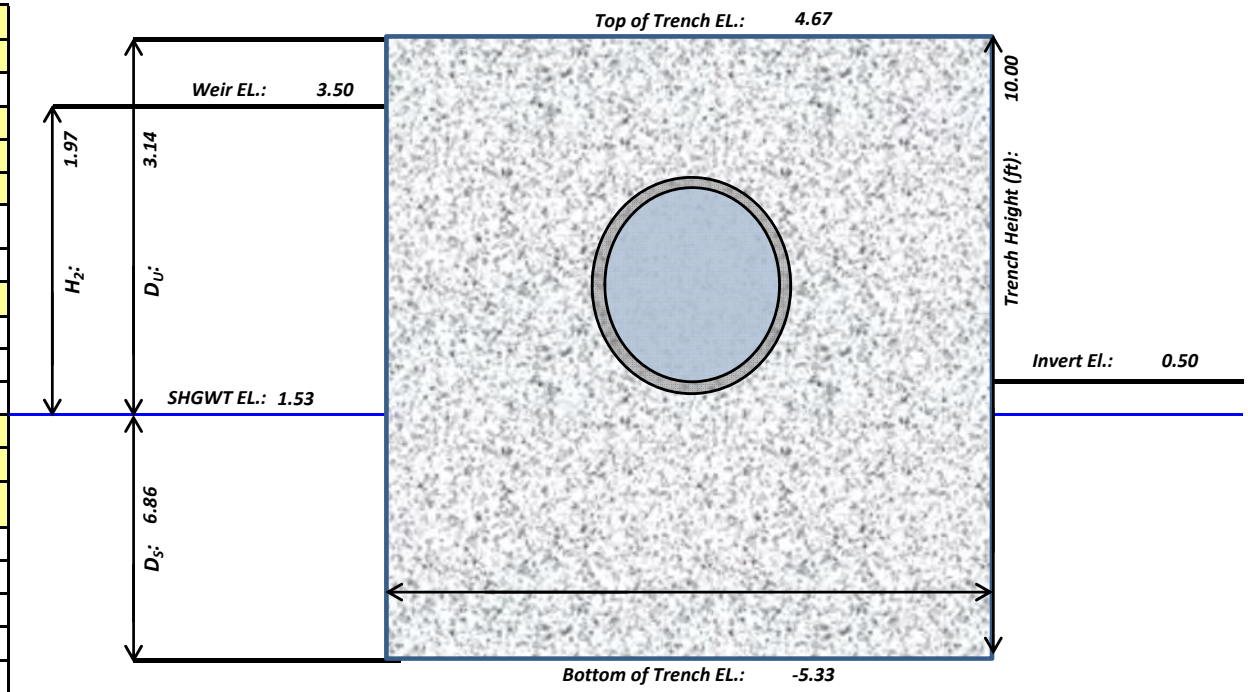
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.53	**1.53**	**0.0000**
1.53	**4.67**	**0.9767**
1.53	**5.50**	**1.2924**
2.98	**2.98**	**0.0000**
2.98	**4.67**	**0.5451**
2.98	**5.50**	**0.8447**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 10

French Drain (ICPR Link Name):	PR10S100_10GW2 / PR10S101_10GW2
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.53
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	384.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	192.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	0.50
Top of Trench EL. (ft-NAVD):	4.67
Bottom of Trench EL. (ft-NAVD):	-5.33
Trench Height, H_T (ft):	10.00
Weir EL. (ft-NAVD):	3.50
Trench Width, W (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	4.48E-04
Depth to Water Table, H_2 (ft):	1.97
Non-Saturated Trench Depth, D_U (ft):	3.14
Saturated Trench Depth, D_S (ft):	6.86
H_2W:	8.87
$2H_2D_U$:	12.36
D_U^2:	9.84
$2H_2D_S$:	27.04
$(1.39x10^{-4})WD_U$:	0.001962
d_2:	1.18
d_3:	0.00
K_{10}:	4.48E-04
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	2.92
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.24**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 10

French Drain (ICPR Link Name): **PR10S100_10GW2 / PR10S101_10GW2**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **96.00**

Trench Height, H_T (ft): **10.00**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **4.475E-04**

Pipe Invert EL. (ft-NAVD): **0.50**

Top of Trench EL. (ft-NAVD): **4.67**

Bottom of Trench EL. (ft-NAVD): **-5.33**

Weir EL. (ft-NAVD): **3.50**

Upstream Structure Rim/Grate EL. (ft-NAVD): **5.50**

SHGWT EL. (ft-NAVD): **1.53**

Max GW EL. (ft-NAVD): ***5.50***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.53	**1.53**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.53	**4.67**	3.14	5.68	3.14	0.02035	**1.9534**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.53	**5.50**	3.14	5.68	3.97	0.02692	**2.5847**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.67**	1.69	6.68	1.69	0.01136	**1.0903**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**5.50**	1.69	6.68	2.52	0.01760	**1.6893**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

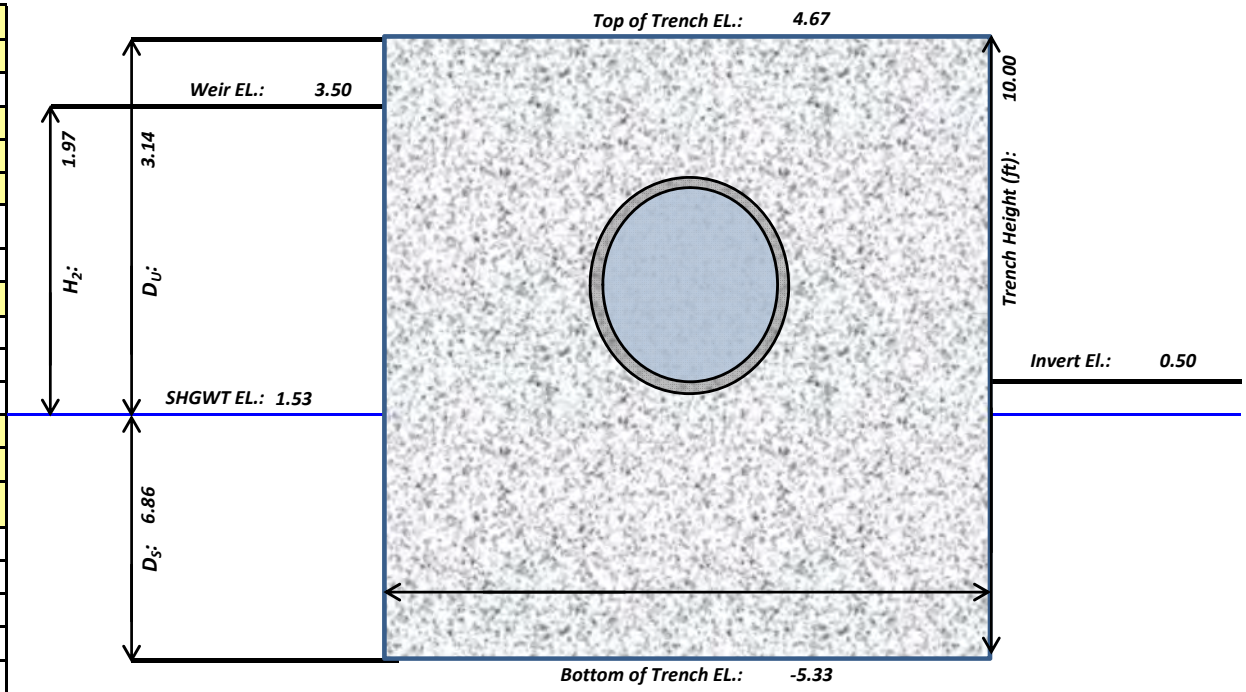
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.53	**1.53**	**0.0000**
1.53	**4.67**	**1.9534**
1.53	**5.50**	**2.5847**
2.98	**2.98**	**0.0000**
2.98	**4.67**	**1.0903**
2.98	**5.50**	**1.6893**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 10

French Drain (ICPR Link Name):	**PR10S101_10GW3**
Existing/Proposed:	**Proposed**
SHGWT EL. (ft-NAVD):	1.53
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	192.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	96.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	0.50
Top of Trench EL. (ft-NAVD):	4.67
Bottom of Trench EL. (ft-NAVD):	-5.33
Trench Height, H_T (ft):	10.00
Weir EL. (ft-NAVD):	3.50
Trench Width, W (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	4.48E-04
Depth to Water Table, H_2 (ft):	1.97
Non-Saturated Trench Depth, D_U (ft):	3.14
Saturated Trench Depth, D_S (ft):	6.86
H_2W:	8.87
$2H_2D_U$:	12.36
D_U^2:	9.84
$2H_2D_S$:	27.04
$(1.39x10^{-4})WD_U$:	0.001962
d_2:	1.18
d_3:	0.00
K_{10}:	4.48E-04
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	1.46
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.12**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 10

French Drain (ICPR Link Name): **PR10S101_10GW3**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **48.00**

Trench Height, H_T (ft): **10.00**

Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **4.475E-04**

Pipe Invert EL. (ft-NAVD): **0.50**

Top of Trench EL. (ft-NAVD): **4.67**

Bottom of Trench EL. (ft-NAVD): **-5.33**

Weir EL. (ft-NAVD): **3.50**

Upstream Structure Rim/Grate EL. (ft-NAVD): **5.50**

SHGWT EL. (ft-NAVD): **1.53**

Max GW EL. (ft-NAVD): ***5.50***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.53	**1.53**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.53	**4.67**	3.14	5.68	3.14	0.02035	**0.9767**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.53	**5.50**	3.14	5.68	3.97	0.02692	**1.2924**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.67**	1.69	6.68	1.69	0.01136	**0.5451**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**5.50**	1.69	6.68	2.52	0.01760	**0.8447**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

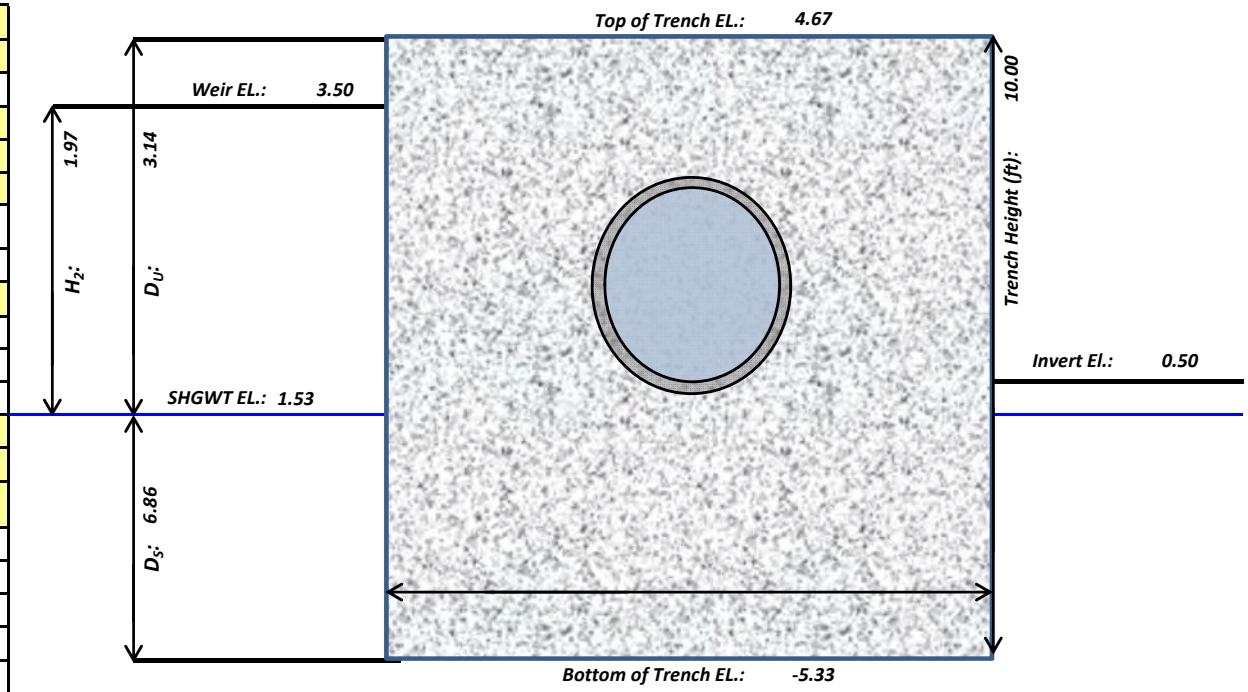
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.53	**1.53**	**0.0000**
1.53	**4.67**	**0.9767**
1.53	**5.50**	**1.2924**
2.98	**2.98**	**0.0000**
2.98	**4.67**	**0.5451**
2.98	**5.50**	**0.8447**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 10

French Drain (ICPR Link Name):	**PR10S102_10GW4**
Existing/Proposed:	**Proposed**
SHGWT EL. (ft-NAVD):	**1.53**
Pipe Size (in):	**36**
Effective Length of French Drain, L (LF):	**192.0**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, L (LF):	**96.00**
Pipe Thickness (in):	**4.00**
Pipe Invert EL. (ft-NAVD):	**0.50**
Top of Trench EL. (ft-NAVD):	4.67
Bottom of Trench EL. (ft-NAVD):	-5.33
Trench Height, H_T (ft):	10.00
Weir EL. (ft-NAVD):	3.50
Trench Width, W (ft):	6.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**4.48E-04**
Depth to Water Table, H_2 (ft):	1.97
Non-Saturated Trench Depth, D_U (ft):	3.14
Saturated Trench Depth, D_S (ft):	6.86
H_2W:	11.82
$2H_2D_U$:	12.36
D_U^2:	9.84
$2H_2D_S$:	27.04
$(1.39x10^{-4})WD_U$:	0.002616
d_2:	1.18
d_3:	0.00
K_{10}:	4.48E-04
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	**N/A***
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	**1.52**
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.13**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 10

French Drain (ICPR Link Name): **PR10S102_10GW4**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **48.00**

Trench Height, H_T (ft): **10.00**

Trench Width, *W* (ft): **6.00**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **4.475E-04**

Pipe Invert EL. (ft-NAVD): **0.50**

Top of Trench EL. (ft-NAVD): **4.67**

Bottom of Trench EL. (ft-NAVD): **-5.33**

Weir EL. (ft-NAVD): **3.50**

Upstream Structure Rim/Grate EL. (ft-NAVD): **5.50**

SHGWT EL. (ft-NAVD): **1.53**

Max GW EL. (ft-NAVD): ***5.50***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.53	**1.53**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.53	**4.67**	3.14	5.68	3.14	0.02035	**0.9767**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.53	**5.50**	3.14	5.68	3.97	0.02692	**1.2924**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.67**	1.69	6.68	1.69	0.01136	**0.5451**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**5.50**	1.69	6.68	2.52	0.01760	**0.8447**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

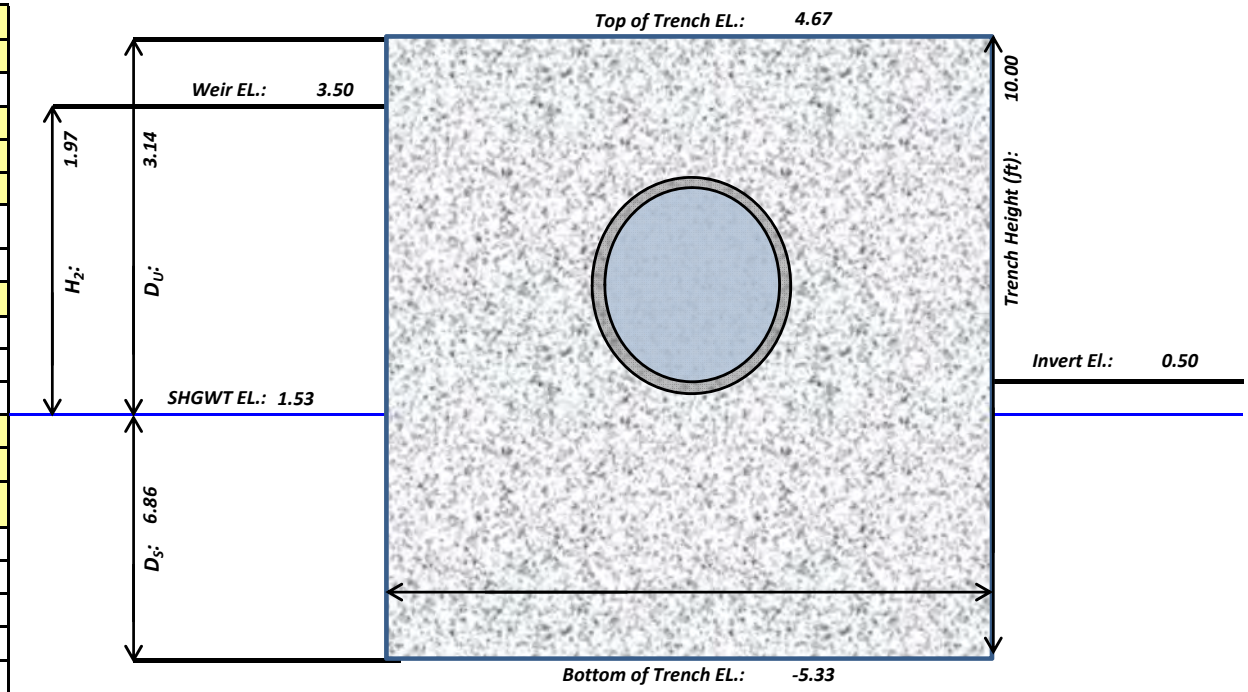
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.53	**1.53**	**0.0000**
1.53	**4.67**	**0.9767**
1.53	**5.50**	**1.2924**
2.98	**2.98**	**0.0000**
2.98	**4.67**	**0.5451**
2.98	**5.50**	**0.8447**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 10

French Drain (ICPR Link Name):	PR10S102_10GW5 / PR10S103_10GW5
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.53
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	384.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	192.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	0.50
Top of Trench EL. (ft-NAVD):	4.67
Bottom of Trench EL. (ft-NAVD):	-5.33
Trench Height, H_T (ft):	10.00
Weir EL. (ft-NAVD):	3.50
Trench Width, W (ft):	6.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	4.48E-04
Depth to Water Table, H_2 (ft):	1.97
Non-Saturated Trench Depth, D_U (ft):	3.14
Saturated Trench Depth, D_S (ft):	6.86
H_2W:	11.82
$2H_2D_U$:	12.36
D_U^2:	9.84
$2H_2D_S$:	27.04
$(1.39x10^{-4})WD_U$:	0.002616
d_2:	1.18
d_3:	0.00
K_{10}:	4.48E-04
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	3.04
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.25**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 10

French Drain (ICPR Link Name): **PR10S102_10GW5 / PR10S103_10GW5**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **96.00**

Trench Height, H_T (ft): **10.00**

Trench Width, *W* (ft): **6.00**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **4.475E-04**

Pipe Invert EL. (ft-NAVD): **0.50**

Top of Trench EL. (ft-NAVD): **4.67**

Bottom of Trench EL. (ft-NAVD): **-5.33**

Weir EL. (ft-NAVD): **3.50**

Upstream Structure Rim/Grate EL. (ft-NAVD): **5.50**

SHGWT EL. (ft-NAVD): **1.53**

Max GW EL. (ft-NAVD): ***5.50***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.53	**1.53**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.53	**4.67**	3.14	5.68	3.14	0.02035	**1.9534**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.53	**5.50**	3.14	5.68	3.97	0.02692	**2.5847**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.67**	1.69	6.68	1.69	0.01136	**1.0903**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**5.50**	1.69	6.68	2.52	0.01760	**1.6893**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

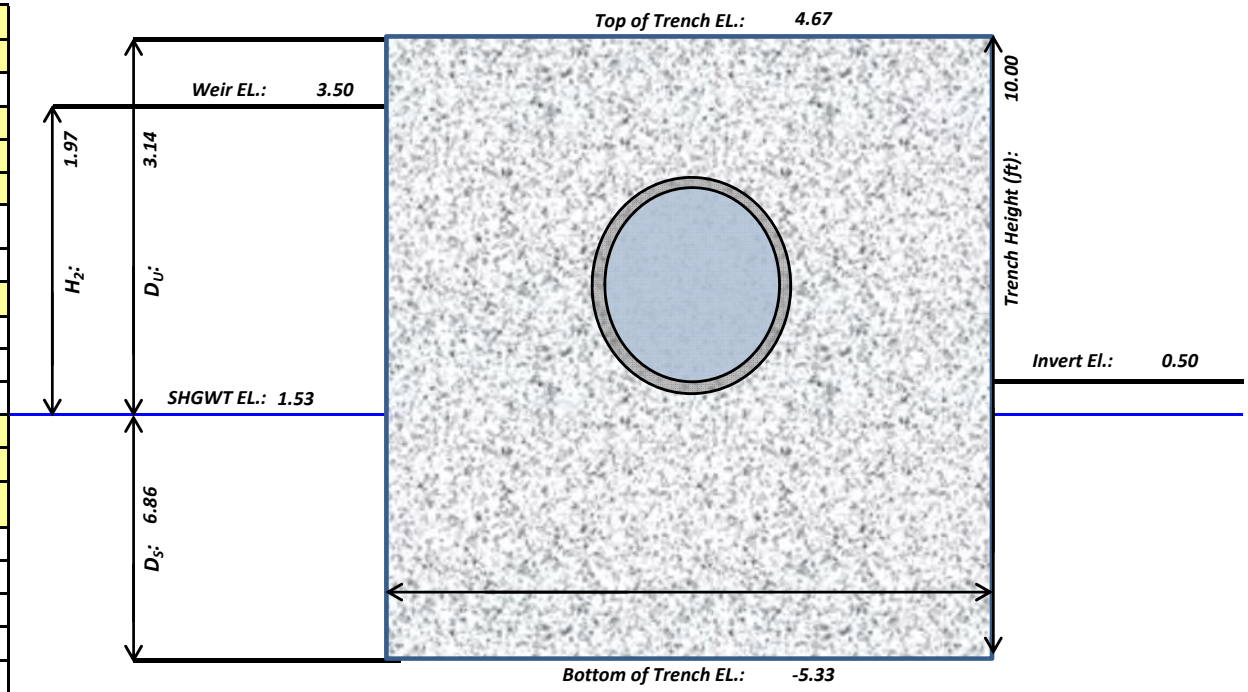
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.53	**1.53**	**0.0000**
1.53	**4.67**	**1.9534**
1.53	**5.50**	**2.5847**
2.98	**2.98**	**0.0000**
2.98	**4.67**	**1.0903**
2.98	**5.50**	**1.6893**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 10

French Drain (ICPR Link Name):	**PR10S103_10GW6 / PR10S104_10GW6**
Existing/Proposed:	**Proposed**
SHGWT EL. (ft-NAVD):	**1.53**
Pipe Size (in):	**36**
Effective Length of French Drain, *L* (LF):	**384.0**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, *L* (LF):	**192.00**
Pipe Thickness (in):	**4.00**
Pipe Invert EL. (ft-NAVD):	**0.50**
Top of Trench EL. (ft-NAVD):	4.67
Bottom of Trench EL. (ft-NAVD):	-5.33
Trench Height, H_T (ft):	10.00
Weir EL. (ft-NAVD):	3.50
Trench Width, *W* (ft):	6.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**4.48E-04**
Depth to Water Table, H_2 (ft):	1.97
Non-Saturated Trench Depth, D_U (ft):	3.14
Saturated Trench Depth, D_S (ft):	6.86
H_2W:	11.82
$2H_2D_U$:	12.36
D_U^2:	9.84
$2H_2D_S$:	27.04
$(1.39x10^{-4})WD_U$:	0.002616
d_2:	1.18
d_3:	0.00
K_{10}:	4.48E-04
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	**N/A***
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	**3.04**
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**0.25**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 10

French Drain (ICPR Link Name): **PR10S103_10GW6 / PR10S104_10GW6**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **96.00**

Trench Height, H_T (ft): **10.00**

Trench Width, *W* (ft): **6.00**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **4.475E-04**

Pipe Invert EL. (ft-NAVD): **0.50**

Top of Trench EL. (ft-NAVD): **4.67**

Bottom of Trench EL. (ft-NAVD): **-5.33**

Weir EL. (ft-NAVD): **3.50**

Upstream Structure Rim/Grate EL. (ft-NAVD): **5.50**

SHGWT EL. (ft-NAVD): **1.53**

Max GW EL. (ft-NAVD): ***5.50***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.53	**1.53**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.53	**4.67**	3.14	5.68	3.14	0.02035	**1.9534**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.53	**5.50**	3.14	5.68	3.97	0.02692	**2.5847**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.67**	1.69	6.68	1.69	0.01136	**1.0903**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**5.50**	1.69	6.68	2.52	0.01760	**1.6893**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

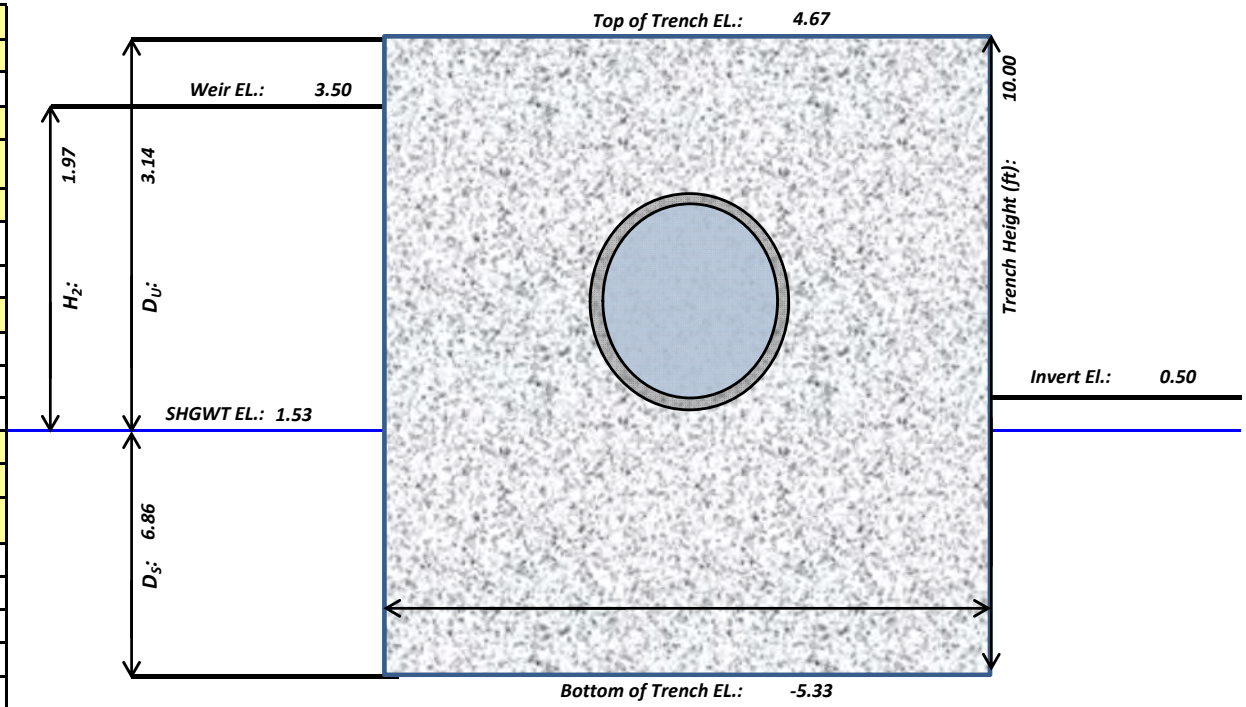
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.53	**1.53**	**0.0000**
1.53	**4.67**	**1.9534**
1.53	**5.50**	**2.5847**
2.98	**2.98**	**0.0000**
2.98	**4.67**	**1.0903**
2.98	**5.50**	**1.6893**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 10

French Drain (ICPR Link Name):	**PR10S104_10GW7**
Existing/Proposed:	**Proposed**
SHGWT EL. (ft-NAVD):	**1.53**
Pipe Size (in):	**36**
Effective Length of French Drain, L (LF):	**192.0**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, L (LF):	**96.00**
Pipe Thickness (in):	**4.00**
Pipe Invert EL. (ft-NAVD):	**0.50**
Top of Trench EL. (ft-NAVD):	4.67
Bottom of Trench EL. (ft-NAVD):	-5.33
Trench Height, H_T (ft):	10.00
Weir EL. (ft-NAVD):	3.50
Trench Width, W (ft):	6.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**4.48E-04**
Depth to Water Table, H_2 (ft):	1.97
Non-Saturated Trench Depth, D_U (ft):	3.14
Saturated Trench Depth, D_S (ft):	6.86
H_2W:	11.82
$2H_2D_U$:	12.36
D_U^2:	9.84
$2H_2D_S$:	27.04
$(1.39x10^{-4})WD_U$:	0.002616
d_2:	1.18
d_3:	0.00
K_{10}:	4.48E-04
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	**N/A***
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	**1.52**
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.13**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 10

French Drain (ICPR Link Name): **PR10S104_10GW7**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **48.00**

Trench Height, H_T (ft): **10.00**

Trench Width, *W* (ft): **6.00**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **4.475E-04**

Pipe Invert EL. (ft-NAVD): **0.50**

Top of Trench EL. (ft-NAVD): **4.67**

Bottom of Trench EL. (ft-NAVD): **-5.33**

Weir EL. (ft-NAVD): **3.50**

Upstream Structure Rim/Grate EL. (ft-NAVD): **5.50**

SHGWT EL. (ft-NAVD): **1.53**

Max GW EL. (ft-NAVD): ***5.50***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.53	**1.53**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.53	**4.67**	3.14	5.68	3.14	0.02035	**0.9767**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.53	**5.50**	3.14	5.68	3.97	0.02692	**1.2924**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.67**	1.69	6.68	1.69	0.01136	**0.5451**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**5.50**	1.69	6.68	2.52	0.01760	**0.8447**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

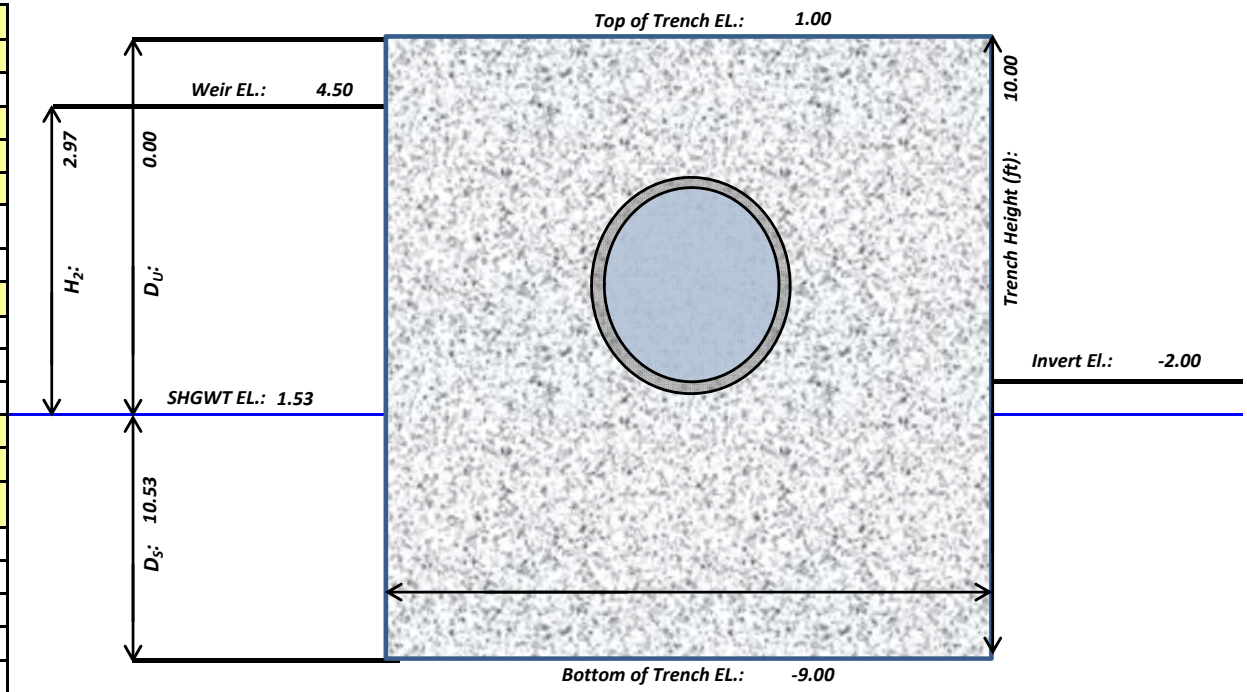
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.53	**1.53**	**0.0000**
1.53	**4.67**	**0.9767**
1.53	**5.50**	**1.2924**
2.98	**2.98**	**0.0000**
2.98	**4.67**	**0.5451**
2.98	**5.50**	**0.8447**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 10

French Drain (ICPR Link Name):	**EX10S117_10GW8 / PRCS10S116_10GW8**
Existing/Proposed:	**Proposed**
SHGWT EL. (ft-NAVD):	**1.53**
Pipe Size (in):	**24**
Effective Length of French Drain, L (LF):	**234.0**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, L (LF):	**117.00**
Pipe Thickness (in):	**3.00**
Pipe Invert EL. (ft-NAVD):	**-2.00**
Top of Trench EL. (ft-NAVD):	1.00
Bottom of Trench EL. (ft-NAVD):	-9.00
Trench Height, H_T (ft):	10.00
Weir EL. (ft-NAVD):	4.50
Trench Width, W (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**4.48E-04**
Depth to Water Table, H_2 (ft):	2.97
Non-Saturated Trench Depth, D_U (ft):	0.00
Saturated Trench Depth, D_S (ft):	10.53
H_2W:	13.37
$2H_2D_U$:	0.00
D_U^2:	0.00
$2H_2D_S$:	62.55
$(1.39x10^{-4})WD_U$:	0.000000
d_2:	4.85
d_3:	0.00
K_{10}:	4.48E-04
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	**N/A***
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	**3.27**
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.27**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 10

French Drain (ICPR Link Name): **EX10S117_10GW8 / PRCS10S116_10GW8**
Existing/Proposed: **Proposed**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **58.50**
Trench Height, H_T (ft): **10.00**
Trench Width, *W* (ft): **4.50**
** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **4.475E-04**
Pipe Invert EL. (ft-NAVD): **-2.00**
Top of Trench EL. (ft-NAVD): **1.00**
Bottom of Trench EL. (ft-NAVD): **-9.00**
Weir EL. (ft-NAVD): **4.50**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.53**

SHGWT EL. (ft-NAVD): **1.53**
Max GW EL. (ft-NAVD): ***5.93***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

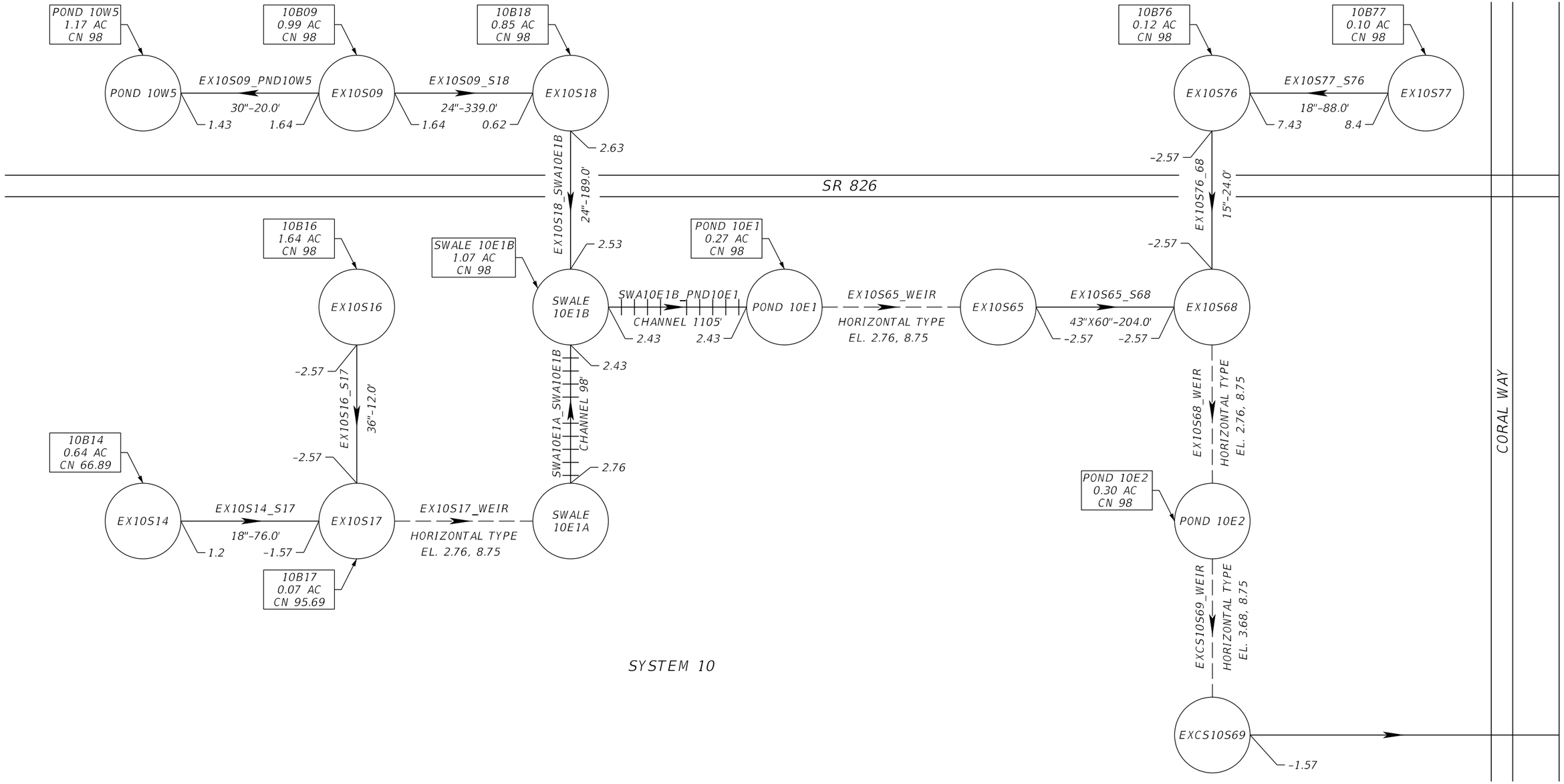
AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.98**
*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 2 of ICPR Applications Manual
Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.53	**1.53**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.53	**5.93**	-0.53	5.68	4.40	0.03938	**2.3037**	$E = 2K_{10} D_P D_1$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**5.93**	-1.98	6.68	2.95	0.02640	**1.5445**	$E = 2K_{10} D_P D_1$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.53	**1.53**	**0.0000**
1.53	**5.93**	**2.3037**
2.98	**2.98**	**0.0000**
2.98	**5.93**	**1.5445**



SYSTEM 10

LEGEND

B-### #.## AC CN ##.# — CONTRIBUTING BASIN, BASIN NAME, BASIN AREA, CURVE NUMBER	NODE NAME — BOUNDARY NODE WITH CONSTANT TAILWATER	###-### ##"-###' #.## #.## — EXFILTRATION TRENCH LINK WITH SIZE-LENGTH INVERT ELEVATION	####_WEIR VERTICAL TYPE EL. #.##, ## — WEIR LINK WITH WEIR TYPE ELEVATION, WIDTH	###### CHANNEL ###' #.## #.## — CHANNEL LINK WITH LENGTH INVERT ELEVATION
#-### — NODE NAME	PATRICIA LAKE — BOUNDARY NODE WITH VARIABLE TAILWATER	###-### (#)##"-###' #.## #.## — PIPE LINK WITH (QUANTITY)SIZE-LENGTH INVERT ELEVATION	##_## — RATING CURVE LINK	

N.T.S.

1 OF 3

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-1

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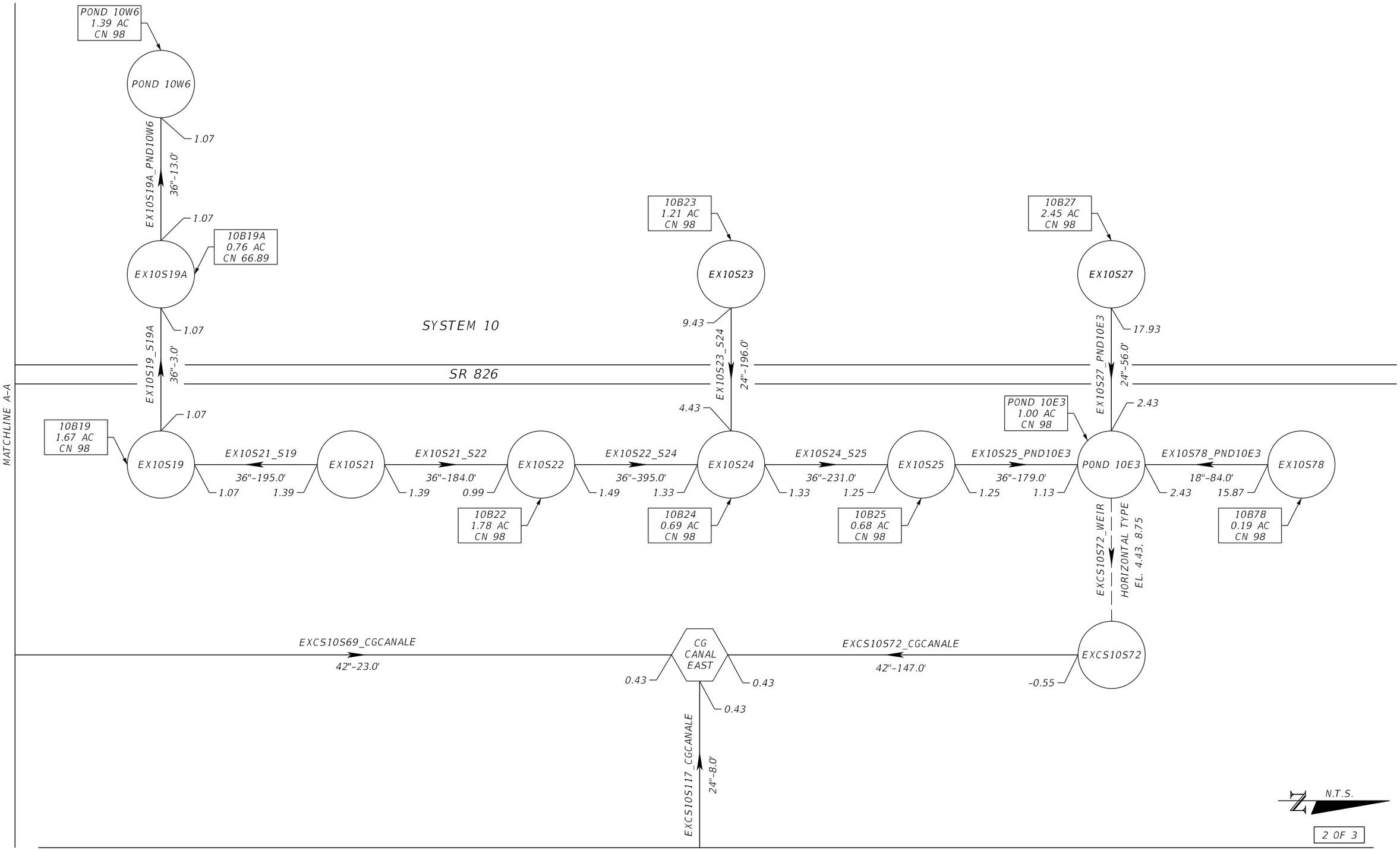


THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

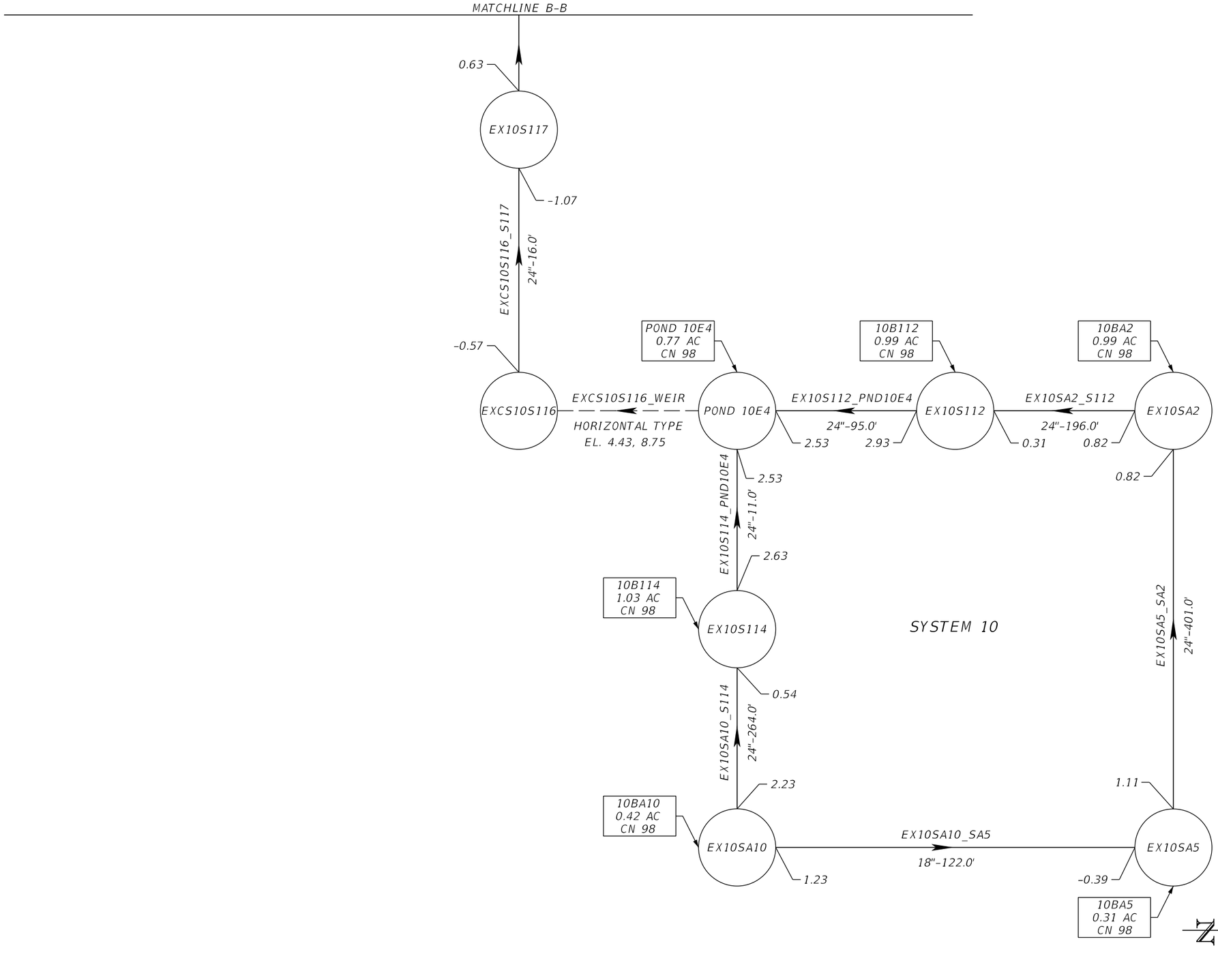
AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-2



3 OF 3

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-3

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Simple Basin: 10B09

Scenario:	Scenario1
Node:	EX10S09
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B112

Scenario:	Scenario1
Node:	EX10S112
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B114

Scenario:	Scenario1
Node:	EX10S114
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B14

Scenario:	Scenario1
Node:	EX10S14
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6400 ac
Curve Number:	66.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B16

Scenario:	Scenario1
Node:	EX10S16
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.6400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B17

Scenario:	Scenario1
Node:	EX10S17
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0700 ac
Curve Number:	95.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B18

Scenario:	Scenario1
Node:	EX10S18
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B19

Scenario:	Scenario1
Node:	EX10S19
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.6700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B19A

Scenario:	Scenario1
Node:	EX10S19A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7600 ac
Curve Number:	66.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B22

Scenario:	Scenario1
Node:	EX10S22
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.7800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B23

Scenario:	Scenario1
Node:	EX10S23
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B24

Scenario:	Scenario1
Node:	EX10S24
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B25

Scenario:	Scenario1
Node:	EX10S25
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B27

Scenario:	Scenario1
Node:	EX10S27
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.4500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B76

Scenario:	Scenario1
Node:	EX10S76
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B77

Scenario:	Scenario1
Node:	EX10S77
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B78

Scenario:	Scenario1
Node:	EX10S78
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10BA10

Scenario:	Scenario1
Node:	EX10SA10
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10BA2

Scenario:	Scenario1
Node:	EX10SA2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10BA5

Scenario:	Scenario1
Node:	EX10SA5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 10E1

Scenario:	Scenario1
Node:	POND 10E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 10E2

Scenario:	Scenario1
Node:	POND 10E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 10E3

Scenario:	Scenario1
Node:	POND 10E3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 10E4

Scenario:	Scenario1
Node:	POND 10E4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 10W5

Scenario:	Scenario1
Node:	POND 10W5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 10W6

Scenario:	Scenario1
Node:	POND 10W6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: SWALE 10E1B

Scenario:	Scenario1
Node:	SWALE 10E1B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Node: CGCANALEAST1

Scenario:	Scenario1
Type:	Time/Stage
Base Flow:	0.00 cfs
Initial Stage:	1.43 ft
Warning Stage:	4.93 ft
Boundary Stage:	VARIABLE CANAL

Comment:

Node: EX10S09

Scenario:	Scenario1
Type:	Stage/Area
Base Flow:	0.00 cfs
Initial Stage:	1.64 ft
Warning Stage:	5.68 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.36	0.0010	44
5.68	0.0010	44
5.69	0.0100	436

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S112

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 7.79 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.12	0.0012	53
8.18	0.0012	53
8.19	0.0123	535

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S114

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 7.25 ft

Stage [ft]	Area [ac]	Area [ft2]
0.63	0.0003	14
7.25	0.0003	14
7.26	0.0032	140

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S117

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.50	0.0008	34
6.43	0.0008	34
6.44	0.0078	340

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S14

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.93 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.80	0.0001	6
5.43	0.0001	6
5.44	0.0014	62

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S16

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.11 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.57	0.0010	44
6.11	0.0010	44
6.12	0.0100	436

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S17

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.93 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.57	0.0005	23
2.76	0.0005	23
2.77	0.0053	230

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S18

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.10 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.95	0.0003	14
6.10	0.0003	14
6.11	0.0032	140

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S19

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.04 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.93	0.0015	65
6.04	0.0015	65
6.05	0.0149	650

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S19A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.04 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.57	0.0004	16
5.04	0.0004	16
5.05	0.0036	157

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S21

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.68 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.61	0.0011	50
6.68	0.0011	50
6.69	0.0115	500

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S22

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.36 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.01	0.0014	60
6.36	0.0014	60
6.37	0.0138	600

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S23

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.43 ft
Warning Stage: 13.52 ft

Stage [ft]	Area [ac]	Area [ft2]
7.43	0.0003	12
13.52	0.0003	12
13.53	0.0027	119

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S24

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 12.89 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.67	0.0003	12
12.89	0.0003	12
12.90	0.0027	119

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S25

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 19.64 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.75	0.0003	12
19.64	0.0003	12
19.65	0.0027	117

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S27

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.93 ft
Warning Stage: 25.30 ft

Stage [ft]	Area [ac]	Area [ft2]
15.93	0.0003	12
25.30	0.0003	12
25.31	0.0027	117

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S65

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 4.93 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.57	0.0005	23
2.76	0.0005	23
2.77	0.0053	230

Comment: WARNING STAGE SAME AS WARNING STAGE FOR POND 10E1. GRATE ELEVATION AT 2.76.

FROM FPID NO. 249648-1-52-01

Node: EX10S68

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 4.93 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.57	0.0005	23
2.76	0.0005	23
2.77	0.0053	230

Comment: WARNING STAGE SAME AS WARNING STAGE FOR POND 10E2. GRATE ELEVATION AT 2.76.

FROM FPID NO. 249648-1-52-01

Node: EX10S76

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 18.24 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.57	0.0003	12
18.24	0.0003	12
18.25	0.0027	119

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S77

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.40 ft
Warning Stage: 14.84 ft

Stage [ft]	Area [ac]	Area [ft2]
6.40	0.0003	12
14.84	0.0003	12
14.85	0.0027	117

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S78

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.87 ft
Warning Stage: 19.62 ft

Stage [ft]	Area [ac]	Area [ft2]
13.87	0.0003	12
19.62	0.0003	12
19.63	0.0027	117

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10SA10

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.35 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.99	0.0010	45
6.11	0.0010	45
6.12	0.0103	450

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10SA2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 7.02 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.29	0.0003	12
5.71	0.0003	12
5.72	0.0028	122

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10SA5

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.93 ft

Stage [ft]	Area [ac]	Area [ft2]
0.09	0.0001	6
5.73	0.0001	6
5.74	0.0014	62

Comment: WARNING STAGE SAME AS LOWEST ROADWAY ELEVATION. GRATE ELEVATION AT 5.73

FROM FPID NO. 249648-1-52-01

Node: EXCS10S116

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.57	0.0005	23
4.43	0.0005	23
4.44	0.0053	230

Comment: WARNING STAGE SAME AS WARNING STAGE FOR POND 10E4. GRATE ELEVATION AT 4.43.

FROM FPID NO. 249648-1-52-01

Node: EXCS10S69

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 4.93 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.57	0.0003	12
3.68	0.0003	12
3.69	0.0027	117

Comment: WARNING STAGE SAME AS WARNING STAGE FOR POND 10E2. GRATE ELEVATION AT 3.68.

FROM FPID NO. 249648-1-52-01

Node: EXCS10S72

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.00	0.0005	23
4.43	0.0005	23
4.44	0.0053	230

Comment: WARNING STAGE SAME AS WARNING STAGE FOR POND 10E3. GRATE ELEVATION AT 4.43

FROM FPID NO. 249648-1-52-01

Node: POND 10E1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 4.93 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.1300	5663
2.93	0.1400	6098
3.43	0.1500	6534
3.68	0.1600	6970
3.93	0.1600	6970
4.43	0.1700	7405
4.93	0.1800	7841

Comment: FROM FPID NO. 249648-1-52-01

Node: POND 10E2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 4.93 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.1000	4356
2.93	0.1100	4792
3.43	0.1200	5227
3.68	0.1300	5663
3.93	0.1400	6098
4.43	0.1500	6534
4.93	0.1600	6970

Comment: FROM FPID NO. 249648-1-52-01

Node: POND 10E3

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.1400	6098
2.93	0.1500	6534
3.43	0.1600	6970
3.93	0.1700	7405
4.43	0.1800	7841
4.93	0.1900	8276
5.43	0.2000	8712

Comment: FROM FPID NO. 249648-1-52-01

Node: POND 10E4

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.53 ft
Warning Stage: 6.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.53	0.0500	2178
2.93	0.0700	3049
3.43	0.1000	4356
3.93	0.1300	5663
4.43	0.1500	6534
4.93	0.1800	7841
5.43	0.2100	9148
5.93	0.2400	10454
6.43	0.2700	11761

Comment: FROM FPID NO. 249648-1-52-01

Node: POND 10W5

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 4.93 ft

Stage [ft]	Area [ac]	Area [ft2]
1.43	0.0100	436
2.43	0.5600	24394
4.93	0.6800	29621

Comment: FROM FPID NO. 249648-1-52-01

Node: POND 10W6

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 4.93 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.6700	29185
4.93	0.8100	35284
1.07	0.0100	436

Comment: FROM FPID NO. 249648-1-52-01

Node: SWALE 10E1A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.93 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.0200	871
5.93	0.0200	871

Comment: FROM FPID NO. 249648-1-52-01

Node: SWALE 10E1B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.93 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.2100	9148
5.93	0.2100	9148

Comment: FROM FPID NO. 249648-1-52-01

Pipe Link: EX10S09_PND10W5		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.64 ft	Invert:	1.43 ft
From Node:	EX10S09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 10W5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	20.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S09_S18		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.64 ft	Invert:	0.62 ft
From Node:	EX10S09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S18	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	339.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S112_PND10E4		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.93 ft	Invert:	2.53 ft
From Node:	EX10S112	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 10E4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	95.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S114_PND10E4		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.63 ft	Invert:	2.53 ft
From Node:	EX10S114	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 10E4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S117_CGCANALE		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.63 ft	Invert:	0.43 ft
From Node:	EX10S117	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CGCANALEAST1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	8.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S14_S17		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.20 ft	Invert:	-1.57 ft

From Node:	EX10S14	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S17	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	76.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S16_S17		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.57 ft	Invert:	-2.57 ft
From Node:	EX10S16	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S17	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	12.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX10S17_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	EX10S17	Default:	0.00 ft
To Node:	SWALE 10E1A	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.76 ft	Discharge Coefficients	
Control Elevation:	2.76 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	8.75 ft	Orifice Default:	0.600

Fillet: 0.00 ft

Orifice Table:

Comment:

Pipe Link: EX10S18_SWA10E1B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.63 ft	Invert:	2.53 ft
From Node:	EX10S18	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 10E1B	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	189.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S19A_PND10W6		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.07 ft	Invert:	1.07 ft
From Node:	EX10S19A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 10W6	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	13.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S19_S19A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.07 ft	Invert:	1.07 ft
From Node:	EX10S19	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S19A	Geometry:	Circular	Geometry:	Circular

Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	3.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S21_S19		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.39 ft	Invert:	1.07 ft
From Node:	EX10S21	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S19	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	195.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S21_S22		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.39 ft	Invert:	0.99 ft
From Node:	EX10S21	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S22	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	184.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S22_S24		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.49 ft	Invert:	1.33 ft
From Node:	EX10S22	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S24	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	395.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S23_S24		Upstream		Downstream	
Scenario:	Scenario1	Invert:	9.43 ft	Invert:	4.43 ft
From Node:	EX10S23	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S24	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	196.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S24_S25		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.33 ft	Invert:	1.25 ft
From Node:	EX10S24	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S25	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	231.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S25_POND10E3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.25 ft	Invert:	1.13 ft
From Node:	EX10S25	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 10E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	179.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S27_POND10E3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	17.93 ft	Invert:	2.43 ft
From Node:	EX10S27	Manning's N:	0.0200	Manning's N:	0.0200
To Node:	POND 10E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	56.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S65_S68		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.57 ft	Invert:	-2.57 ft
From Node:	EX10S65	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S68	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	3.58 ft	Max Depth:	3.58 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	204.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX10S65_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	POND 10E1	Default:	0.00 ft
To Node:	EX10S65	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.76 ft	Discharge Coefficients	
Control Elevation:	2.76 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	8.75 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Weir Link: EX10S68_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	EX10S68	Default:	0.00 ft
To Node:	POND 10E2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.76 ft	Discharge Coefficients	
Control Elevation:	2.76 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	

Max Width:	8.75 ft		
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Pipe Link: EX10S76_68		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.57 ft	Invert:	-2.57 ft
From Node:	EX10S76	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S68	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	24.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S77_S76		Upstream		Downstream	
Scenario:	Scenario1	Invert:	8.40 ft	Invert:	7.43 ft
From Node:	EX10S77	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S76	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	88.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S78_PND10E3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	15.87 ft	Invert:	2.43 ft
From Node:	EX10S78	Manning's N:	0.0200	Manning's N:	0.0200

To Node:	POND 10E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	84.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10SA10_S114		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.23 ft	Invert:	0.54 ft
From Node:	EX10SA10	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S114	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	264.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10SA10_SA5		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.23 ft	Invert:	-0.39 ft
From Node:	EX10SA10	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10SA5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10SA2_S112		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.82 ft	Invert:	0.31 ft
From Node:	EX10SA2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S112	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	196.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10SA5_SA2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.11 ft	Invert:	0.82 ft
From Node:	EX10SA5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10SA2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	401.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EXCS10S116_S117		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.57 ft	Invert:	-1.07 ft
From Node:	EXCS10S116	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S117	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	16.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EXCS10S116_WEIR

Scenario:	Scenario1	Bottom Clip	
From Node:	POND 10E4	Default:	0.00 ft
To Node:	EXCS10S116	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.43 ft	Discharge Coefficients	
Control Elevation:	4.43 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	8.75 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EXCS10S69_CGCANALE

		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-1.57 ft	Invert:	0.43 ft
From Node:	EXCS10S69	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CGCANALEAST1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	23.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EXCS10S69_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	POND 10E2	Default:	0.00 ft
To Node:	EXCS10S69	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.68 ft	Discharge Coefficients	
Control Elevation:	3.68 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	8.75 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Pipe Link: EXCS10S72_CGCANALE		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.55 ft	Invert:	0.43 ft
From Node:	EXCS10S72	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CGCANALEAST1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	147.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: EXCS10S72_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	POND 10E3	Default:	0.00 ft
To Node:	EXCS10S72	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.43 ft	Discharge Coefficients	
Control Elevation:	4.43 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	

Max Width:	8.75 ft		
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Channel Link: SWA10E1A_SWA10E1B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.76 ft	Invert:	2.43 ft
From Node:	SWALE 10E1A	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	SWALE 10E1B	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	8.94 ft	Bottom Width:	11.60 ft
Length:	98.00 ft	Left Slope:	0.000 (h:v)	Left Slope:	0.000 (h:v)
Contraction Coef:	0.00	Right Slope:	0.000 (h:v)	Right Slope:	0.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: MANNING'S N DERIVED FROM CHOW, 2010

Channel Link: SWA10E1B_PND10E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.43 ft	Invert:	2.43 ft
From Node:	SWALE 10E1B	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	POND 10E1	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	11.60 ft	Bottom Width:	10.60 ft
Length:	1105.00 ft	Left Slope:	0.000 (h:v)	Left Slope:	0.000 (h:v)
Contraction Coef:	0.00	Right Slope:	0.000 (h:v)	Right Slope:	0.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: MANNING'S N DERIVED FROM CHOW, 2010

Boundary Stage: VARIABLE CANAL

Boundary Stage Set: 100Y-1H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE CANAL

Boundary Stage Set: 100Y-24H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE GW

Boundary Stage Set: 100Y-24H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.53
0	0	0	1.0000	1.54
0	0	0	2.0000	1.57
0	0	0	3.0000	1.62
0	0	0	4.0000	1.66
0	0	0	5.0000	1.70
0	0	0	6.0000	1.76
0	0	0	7.0000	1.82
0	0	0	8.0000	1.88
0	0	0	9.0000	1.97
0	0	0	10.0000	2.05
0	0	0	11.0000	2.17
0	0	0	12.0000	2.31
0	0	0	13.0000	2.41
0	0	0	14.0000	2.50
0	0	0	15.0000	2.59

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	16.0000	2.66
0	0	0	17.0000	2.72
0	0	0	18.0000	2.78
0	0	0	19.0000	2.84
0	0	0	20.0000	2.88
0	0	0	21.0000	2.92
0	0	0	22.0000	2.95
0	0	0	23.0000	2.97
0	0	0	24.0000	2.98
0	0	0	36.0000	1.53

Comment:

Boundary Stage: VARIABLE CANAL

Boundary Stage Set: 100Y-8H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE GW

Boundary Stage Set: 100Y-8H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.53
0	0	0	1.0000	1.56
0	0	0	2.0000	1.72
0	0	0	3.0000	1.94
0	0	0	4.0000	2.55
0	0	0	5.0000	2.78
0	0	0	6.0000	2.86
0	0	0	7.0000	2.94
0	0	0	8.0000	2.98
0	0	0	12.0000	1.53

Comment:

Boundary Stage: VARIABLE CANAL

Boundary Stage Set: 10Y-1H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE CANAL

Boundary Stage Set: 10Y-24H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE GW

Boundary Stage Set: 10Y-24H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.53
0	0	0	1.0000	1.54
0	0	0	2.0000	1.57
0	0	0	3.0000	1.62
0	0	0	4.0000	1.66
0	0	0	5.0000	1.70
0	0	0	6.0000	1.76
0	0	0	7.0000	1.82
0	0	0	8.0000	1.88
0	0	0	9.0000	1.97
0	0	0	10.0000	2.05
0	0	0	11.0000	2.17
0	0	0	12.0000	2.31
0	0	0	13.0000	2.41
0	0	0	14.0000	2.50
0	0	0	15.0000	2.59
0	0	0	16.0000	2.66
0	0	0	17.0000	2.72
0	0	0	18.0000	2.78
0	0	0	19.0000	2.84
0	0	0	20.0000	2.88
0	0	0	21.0000	2.92

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	22.0000	2.95
0	0	0	23.0000	2.97
0	0	0	24.0000	2.98
0	0	0	36.0000	1.53

Comment:

Boundary Stage: VARIABLE CANAL

Boundary Stage Set: 10Y-8H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE GW

Boundary Stage Set: 10Y-8H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.53
0	0	0	1.0000	1.56
0	0	0	2.0000	1.72
0	0	0	3.0000	1.94
0	0	0	4.0000	2.55
0	0	0	5.0000	2.78
0	0	0	6.0000	2.86
0	0	0	7.0000	2.94
0	0	0	8.0000	2.98
0	0	0	12.0000	1.53

Comment:

Boundary Stage: VARIABLE CANAL

Boundary Stage Set: 25Y-72H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE GW

Boundary Stage Set: 25Y-72H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.53
0	0	0	24.0000	1.69
0	0	0	36.0000	1.80
0	0	0	48.0000	1.91
0	0	0	49.0000	1.92
0	0	0	50.0000	1.93
0	0	0	51.0000	1.95
0	0	0	52.0000	1.96
0	0	0	53.0000	1.98
0	0	0	54.0000	2.00
0	0	0	55.0000	2.03
0	0	0	56.0000	2.06
0	0	0	57.0000	2.10
0	0	0	57.5000	2.12
0	0	0	58.0000	2.14
0	0	0	58.5000	2.17
0	0	0	59.0000	2.20
0	0	0	59.5000	2.25
0	0	0	60.0000	2.61
0	0	0	60.5000	2.69
0	0	0	61.0000	2.73
0	0	0	61.5000	2.76
0	0	0	62.0000	2.79
0	0	0	62.5000	2.80
0	0	0	63.0000	2.82
0	0	0	64.0000	2.85
0	0	0	65.0000	2.87
0	0	0	66.0000	2.89
0	0	0	68.0000	2.93
0	0	0	70.0000	2.95
0	0	0	72.0000	2.98
0	0	0	108.0000	1.53

Comment:

Simulation: 100Y-1H

Scenario: Scenario1

Run Date/Time: 8/16/2019 2:16:22 PM

Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 100Y-1H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	5.10 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100Y-24H

Scenario: Scenario1
Run Date/Time: 8/16/2019 2:16:28 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 100Y-24H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 13.44 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 100Y-8H

Scenario: Scenario1
Run Date/Time: 8/16/2019 2:16:45 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 100Y-8H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	9.60 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-1H

Scenario:	Scenario1
Run Date/Time:	8/16/2019 2:16:54 PM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 10Y-1H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 3.55 in
Storm Duration: 1.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 10Y-24H

Scenario: Scenario1
Run Date/Time: 8/16/2019 2:17:01 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 10Y-24H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	8.88 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-8H

Scenario:	Scenario1
Run Date/Time:	8/16/2019 2:17:18 PM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 10Y-8H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-8
Rainfall Amount: 6.80 in
Storm Duration: 8.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 25Y-72H

Scenario: Scenario1
Run Date/Time: 8/16/2019 2:17:28 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	30.0000
0	0	0	57.0000	15.0000
0	0	0	63.0000	30.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	30.0000
0	0	0	57.0000	15.0000
0	0	0	63.0000	30.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 25Y-72H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:

Impervious Set:	
Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	14.00 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
CGCANALEAST1	100Y-1H	4.93	1.95	0.0001	68.26	0.01	0
EX10S09	100Y-1H	5.68	3.96	0.0058	13.58	22.28	393
EX10S112	100Y-1H	7.79	6.21	0.0011	14.19	14.09	247
EX10S114	100Y-1H	7.25	6.01	0.0010	14.79	14.70	410
EX10S117	100Y-1H	6.43	4.51	0.0026	28.58	28.58	113
EX10S14	100Y-1H	5.93	4.02	0.0010	2.17	2.12	113
EX10S16	100Y-1H	6.11	4.02	0.0010	12.87	12.79	113
EX10S17	100Y-1H	5.93	4.01	0.0010	15.28	15.13	231
EX10S18	100Y-1H	6.10	3.96	0.0006	6.85	6.80	342
EX10S19	100Y-1H	6.04	4.89	0.0019	34.66	34.72	362
EX10S19A	100Y-1H	5.04	4.89	0.0018	37.24	37.30	113
EX10S21	100Y-1H	6.68	5.04	0.0017	21.82	21.86	617
EX10S22	100Y-1H	6.36	5.28	0.0016	21.77	21.82	923
EX10S23	100Y-1H	13.52	10.76	0.0007	9.49	9.49	207
EX10S24	100Y-1H	12.89	5.33	0.0015	14.90	14.91	1118
EX10S25	100Y-1H	19.64	5.29	0.0012	13.18	13.16	627
EX10S27	100Y-1H	25.30	19.81	0.0055	19.22	27.24	113
EX10S65	100Y-1H	4.93	3.94	0.0018	6.65	9.06	241
EX10S68	100Y-1H	4.93	3.93	0.0018	9.87	7.18	242
EX10S76	100Y-1H	18.24	3.94	0.0009	1.72	1.68	113
EX10S77	100Y-1H	14.84	8.79	0.0001	0.78	0.78	113
EX10S78	100Y-1H	19.62	16.41	0.0002	1.49	1.49	113
EX10SA10	100Y-1H	5.35	6.22	0.0010	6.87	6.73	457
EX10SA2	100Y-1H	7.02	6.36	0.0011	7.77	7.65	604
EX10SA5	100Y-1H	5.93	6.35	0.0012	3.65	3.60	408
EXCS10S116	100Y-1H	6.43	5.50	0.0019	28.59	28.58	230
EXCS10S69	100Y-1H	4.93	1.95	0.0036	7.65	7.65	113
EXCS10S72	100Y-1H	5.43	4.20	0.0013	40.82	40.81	527
POND 10E1	100Y-1H	4.93	3.95	0.0004	14.61	6.65	12985
POND 10E2	100Y-1H	4.93	3.92	0.0004	8.09	7.65	6078
POND 10E3	100Y-1H	5.43	5.16	0.0017	49.60	40.82	8535
POND 10E4	100Y-1H	6.43	5.59	0.0010	34.82	28.59	9560
POND 10W5	100Y-1H	4.93	3.97	0.0004	28.68	1.76	27605
POND 10W6	100Y-1H	4.93	4.89	0.0006	48.06	5.22	35184
SWALE 10E1A	100Y-1H	5.93	4.00	0.0007	15.13	14.27	1342
SWALE 10E1B	100Y-1H	5.93	4.00	0.0003	24.64	14.00	21413
CGCANALEAST1	100Y-24H	4.93	2.43	0.0001	30.55	0.01	0
EX10S09	100Y-24H	5.68	4.16	0.0003	2.62	2.57	395
EX10S112	100Y-24H	7.79	4.66	0.0006	2.53	2.52	247
EX10S114	100Y-24H	7.25	4.65	0.0010	2.54	2.54	410
EX10S117	100Y-24H	6.43	2.43	0.0026	6.14	7.19	113
EX10S14	100Y-24H	5.93	4.05	0.0009	0.69	0.76	113
EX10S16	100Y-24H	6.11	4.05	0.0012	2.22	4.09	113
EX10S17	100Y-24H	5.93	4.05	0.0010	4.95	3.33	231

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX10S18	100Y-24H	6.10	4.12	0.0002	3.42	3.42	341
EX10S19	100Y-24H	6.04	5.00	0.0024	7.05	6.23	362
EX10S19A	100Y-24H	5.04	5.00	0.0024	6.42	5.33	113
EX10S21	100Y-24H	6.68	4.99	0.0017	5.21	5.05	617
EX10S22	100Y-24H	6.36	4.98	0.0014	6.96	6.95	922
EX10S23	100Y-24H	13.52	9.95	0.0004	1.64	1.64	169
EX10S24	100Y-24H	12.89	4.93	0.0017	9.13	9.13	1061
EX10S25	100Y-24H	19.64	4.88	0.0015	10.03	10.02	626
EX10S27	100Y-24H	25.30	18.68	0.0006	3.31	3.31	113
EX10S65	100Y-24H	4.93	3.96	0.0018	7.89	9.50	241
EX10S68	100Y-24H	4.93	3.96	0.0018	10.03	8.17	242
EX10S76	100Y-24H	18.24	3.96	0.0008	0.30	0.53	113
EX10S77	100Y-24H	14.84	8.55	0.0000	0.14	0.14	113
EX10S78	100Y-24H	19.62	16.08	0.0001	0.26	0.26	113
EX10SA10	100Y-24H	5.35	4.66	0.0007	1.15	1.15	286
EX10SA2	100Y-24H	7.02	4.66	0.0008	1.34	1.37	604
EX10SA5	100Y-24H	5.93	4.66	0.0008	0.71	0.59	408
EXCS10S116	100Y-24H	6.43	2.43	0.0015	6.09	6.14	113
EXCS10S69	100Y-24H	4.93	2.43	0.0036	8.52	8.52	113
EXCS10S72	100Y-24H	5.43	2.43	0.0008	14.89	14.88	526
POND 10E1	100Y-24H	4.93	3.98	0.0001	7.92	7.89	13006
POND 10E2	100Y-24H	4.93	3.94	0.0001	8.56	8.52	6104
POND 10E3	100Y-24H	5.43	4.80	0.0017	14.91	14.89	8192
POND 10E4	100Y-24H	6.43	4.63	0.0003	6.10	6.09	7071
POND 10W5	100Y-24H	4.93	4.16	0.0001	2.46	1.67	28021
POND 10W6	100Y-24H	4.93	5.00	0.0001	5.18	3.35	35284
SWALE 10E1A	100Y-24H	5.93	4.04	0.0003	3.33	3.11	1342
SWALE 10E1B	100Y-24H	5.93	4.04	0.0000	7.86	7.56	21413
CGCANALEAST1	100Y-8H	4.93	2.10	0.0001	67.22	0.01	0
EX10S09	100Y-8H	5.68	4.48	0.0007	7.52	7.47	394
EX10S112	100Y-8H	7.79	5.07	0.0010	7.43	7.43	247
EX10S114	100Y-8H	7.25	5.01	0.0010	7.74	7.74	410
EX10S117	100Y-8H	6.43	3.29	0.0026	18.27	18.27	113
EX10S14	100Y-8H	5.93	4.32	0.0009	1.89	1.87	113
EX10S16	100Y-8H	6.11	4.31	0.0016	6.65	6.82	113
EX10S17	100Y-8H	5.93	4.30	0.0010	8.78	8.74	231
EX10S18	100Y-8H	6.10	4.40	0.0004	5.36	5.36	342
EX10S19	100Y-8H	6.04	5.82	0.0019	15.78	15.70	362
EX10S19A	100Y-8H	5.04	5.82	0.0019	16.79	16.72	158
EX10S21	100Y-8H	6.68	5.78	0.0017	11.10	11.02	617
EX10S22	100Y-8H	6.36	5.76	0.0016	13.90	13.90	923
EX10S23	100Y-8H	13.52	10.35	0.0005	4.91	4.91	205
EX10S24	100Y-8H	12.89	5.63	0.0014	18.35	18.38	1085
EX10S25	100Y-8H	19.64	5.43	0.0013	20.62	20.63	626
EX10S27	100Y-8H	25.30	19.29	0.0009	9.94	9.94	113
EX10S65	100Y-8H	4.93	4.11	0.0016	14.25	14.25	241

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX10S68	100Y-8H	4.93	4.10	0.0015	14.84	14.84	242
EX10S76	100Y-8H	18.24	4.10	0.0005	0.89	0.93	113
EX10S77	100Y-8H	14.84	8.67	0.0001	0.41	0.41	113
EX10S78	100Y-8H	19.62	16.26	0.0002	0.77	0.77	113
EX10SA10	100Y-8H	5.35	5.08	0.0010	3.56	3.56	289
EX10SA2	100Y-8H	7.02	5.12	0.0010	4.01	4.05	604
EX10SA5	100Y-8H	5.93	5.12	0.0010	1.90	1.86	408
EXCS10S116	100Y-8H	6.43	3.70	0.0015	18.28	18.27	113
EXCS10S69	100Y-8H	4.93	2.51	0.0036	15.63	15.63	113
EXCS10S72	100Y-8H	5.43	3.85	0.0010	34.84	34.84	527
POND 10E1	100Y-8H	4.93	4.15	0.0003	14.59	14.25	13153
POND 10E2	100Y-8H	4.93	4.06	0.0004	15.67	15.63	6215
POND 10E3	100Y-8H	5.43	5.08	0.0017	34.98	34.84	8469
POND 10E4	100Y-8H	6.43	4.86	0.0007	18.29	18.28	7649
POND 10W5	100Y-8H	4.93	4.49	0.0004	11.88	3.38	28699
POND 10W6	100Y-8H	4.93	5.83	0.0006	20.93	7.89	35284
SWALE 10E1A	100Y-8H	5.93	4.29	0.0006	8.74	8.48	1342
SWALE 10E1B	100Y-8H	5.93	4.29	0.0003	15.77	13.70	21413
CGCANALEAST1	10Y-1H	4.93	1.95	0.0001	44.28	0.01	0
EX10S09	10Y-1H	5.68	3.53	0.0019	9.92	13.57	393
EX10S112	10Y-1H	7.79	5.31	0.0010	9.83	9.81	247
EX10S114	10Y-1H	7.25	5.20	0.0010	10.25	10.23	410
EX10S117	10Y-1H	6.43	3.85	0.0026	23.37	23.37	113
EX10S14	10Y-1H	5.93	3.57	0.0010	1.05	1.02	113
EX10S16	10Y-1H	6.11	3.57	0.0010	8.84	8.81	113
EX10S17	10Y-1H	5.93	3.57	0.0010	10.05	9.98	231
EX10S18	10Y-1H	6.10	3.53	0.0006	5.20	5.59	342
EX10S19	10Y-1H	6.04	4.53	0.0016	29.27	29.32	362
EX10S19A	10Y-1H	5.04	4.53	0.0014	30.56	30.61	113
EX10S21	10Y-1H	6.68	4.58	0.0017	20.97	21.00	617
EX10S22	10Y-1H	6.36	4.79	0.0014	20.94	20.97	923
EX10S23	10Y-1H	13.52	10.50	0.0007	6.52	6.52	204
EX10S24	10Y-1H	12.89	4.90	0.0016	12.78	12.67	1115
EX10S25	10Y-1H	19.64	4.90	0.0014	5.67	5.70	627
EX10S27	10Y-1H	25.30	19.52	0.0010	13.21	13.21	113
EX10S65	10Y-1H	4.93	3.57	0.0010	3.94	3.10	241
EX10S68	10Y-1H	4.93	3.57	0.0010	3.89	3.94	242
EX10S76	10Y-1H	18.24	3.57	0.0009	1.19	1.18	113
EX10S77	10Y-1H	14.84	8.71	0.0001	0.54	0.54	113
EX10S78	10Y-1H	19.62	16.32	0.0003	1.02	1.02	113
EX10SA10	10Y-1H	5.35	5.32	0.0010	4.72	4.71	300
EX10SA2	10Y-1H	7.02	5.40	0.0010	5.34	5.31	604
EX10SA5	10Y-1H	5.93	5.39	0.0011	2.49	2.46	408
EXCS10S116	10Y-1H	6.43	4.51	0.0015	23.39	23.37	230
EXCS10S69	10Y-1H	4.93	1.95	0.0036	0.00	4.07	113
EXCS10S72	10Y-1H	5.43	2.94	0.0010	21.00	20.91	527

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND 10E1	10Y-1H	4.93	3.57	0.0005	8.96	1.60	12768
POND 10E2	10Y-1H	4.93	3.57	0.0004	3.18	0.76	5474
POND 10E3	10Y-1H	5.43	4.90	0.0017	23.84	21.00	8307
POND 10E4	10Y-1H	6.43	4.94	0.0010	24.18	23.39	7872
POND 10W5	10Y-1H	4.93	3.53	0.0005	18.70	0.00	26721
POND 10W6	10Y-1H	4.93	4.53	0.0009	37.67	1.85	34308
SWALE 10E1A	10Y-1H	5.93	3.57	0.0007	9.98	9.58	1342
SWALE 10E1B	10Y-1H	5.93	3.56	0.0004	16.31	8.83	21413
CGCANALEAST1	10Y-24H	4.93	2.43	0.0001	17.58	0.01	0
EX10S09	10Y-24H	5.68	3.93	0.0003	1.66	1.63	395
EX10S112	10Y-24H	7.79	4.60	0.0007	1.76	1.72	247
EX10S114	10Y-24H	7.25	4.59	0.0009	1.66	1.63	410
EX10S117	10Y-24H	6.43	2.43	0.0026	4.03	4.02	113
EX10S14	10Y-24H	5.93	3.89	0.0009	0.38	0.54	113
EX10S16	10Y-24H	6.11	3.89	0.0011	1.46	3.15	113
EX10S17	10Y-24H	5.93	3.89	0.0010	3.73	2.26	231
EX10S18	10Y-24H	6.10	3.92	0.0003	1.83	1.83	341
EX10S19	10Y-24H	6.04	4.80	0.0021	5.75	6.06	362
EX10S19A	10Y-24H	5.04	4.80	0.0025	6.22	4.63	113
EX10S21	10Y-24H	6.68	4.79	0.0019	3.69	3.67	617
EX10S22	10Y-24H	6.36	4.79	0.0015	5.05	4.63	922
EX10S23	10Y-24H	13.52	9.85	0.0003	1.08	1.08	156
EX10S24	10Y-24H	12.89	4.77	0.0017	6.10	6.07	1057
EX10S25	10Y-24H	19.64	4.75	0.0015	6.65	6.64	626
EX10S27	10Y-24H	25.30	18.54	0.0004	2.19	2.19	113
EX10S65	10Y-24H	4.93	3.86	0.0017	4.56	7.81	241
EX10S68	10Y-24H	4.93	3.85	0.0018	8.09	4.71	242
EX10S76	10Y-24H	18.24	3.85	0.0005	0.20	0.44	113
EX10S77	10Y-24H	14.84	8.52	0.0001	0.09	0.09	113
EX10S78	10Y-24H	19.62	16.04	0.0001	0.17	0.17	113
EX10SA10	10Y-24H	5.35	4.60	0.0006	0.73	0.74	286
EX10SA2	10Y-24H	7.02	4.60	0.0009	0.88	0.96	604
EX10SA5	10Y-24H	5.93	4.60	0.0010	0.77	0.58	408
EXCS10S116	10Y-24H	6.43	2.43	0.0015	4.02	4.03	113
EXCS10S69	10Y-24H	4.93	2.43	0.0036	4.32	4.32	113
EXCS10S72	10Y-24H	5.43	2.43	0.0008	9.84	9.84	527
POND 10E1	10Y-24H	4.93	3.87	0.0000	4.00	4.56	12964
POND 10E2	10Y-24H	4.93	3.84	0.0001	4.89	4.32	5946
POND 10E3	10Y-24H	5.43	4.71	0.0017	9.87	9.84	8122
POND 10E4	10Y-24H	6.43	4.59	0.0004	4.03	4.02	6946
POND 10W5	10Y-24H	4.93	3.93	0.0001	2.47	0.89	27535
POND 10W6	10Y-24H	4.93	4.80	0.0002	5.08	2.91	34974
SWALE 10E1A	10Y-24H	5.93	3.89	0.0003	2.26	1.88	1342
SWALE 10E1B	10Y-24H	5.93	3.89	0.0001	4.13	3.83	21413
CGCANALEAST1	10Y-8H	4.93	2.10	0.0001	37.00	0.01	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX10S09	10Y-8H	5.68	4.07	0.0006	6.40	6.37	394
EX10S112	10Y-8H	7.79	4.87	0.0010	5.29	5.28	247
EX10S114	10Y-8H	7.25	4.84	0.0010	5.45	5.45	410
EX10S117	10Y-8H	6.43	2.75	0.0026	12.93	12.92	113
EX10S14	10Y-8H	5.93	4.00	0.0010	1.12	1.10	113
EX10S16	10Y-8H	6.11	4.00	0.0014	4.71	6.32	113
EX10S17	10Y-8H	5.93	3.99	0.0010	7.57	6.10	231
EX10S18	10Y-8H	6.10	4.05	0.0003	3.68	3.61	342
EX10S19	10Y-8H	6.04	5.18	0.0019	17.19	17.12	362
EX10S19A	10Y-8H	5.04	5.19	0.0017	17.95	17.88	158
EX10S21	10Y-8H	6.68	5.17	0.0018	13.01	12.93	617
EX10S22	10Y-8H	6.36	5.15	0.0016	13.09	13.01	923
EX10S23	10Y-8H	13.52	10.20	0.0004	3.47	3.47	190
EX10S24	10Y-8H	12.89	5.10	0.0014	11.56	11.56	1082
EX10S25	10Y-8H	19.64	5.03	0.0014	12.70	12.71	626
EX10S27	10Y-8H	25.30	19.05	0.0007	7.03	7.03	113
EX10S65	10Y-8H	4.93	3.93	0.0014	6.93	9.66	241
EX10S68	10Y-8H	4.93	3.92	0.0014	10.12	7.18	242
EX10S76	10Y-8H	18.24	3.92	0.0004	0.63	0.68	113
EX10S77	10Y-8H	14.84	8.63	0.0001	0.29	0.29	113
EX10S78	10Y-8H	19.62	16.18	0.0001	0.55	0.55	113
EX10SA10	10Y-8H	5.35	4.88	0.0010	2.49	2.49	289
EX10SA2	10Y-8H	7.02	4.90	0.0010	2.84	2.94	604
EX10SA5	10Y-8H	5.93	4.90	0.0010	1.39	1.29	408
EXCS10S116	10Y-8H	6.43	2.95	0.0015	12.93	12.93	113
EXCS10S69	10Y-8H	4.93	2.10	0.0036	7.01	7.01	113
EXCS10S72	10Y-8H	5.43	3.00	0.0008	21.69	21.68	527
POND 10E1	10Y-8H	4.93	3.94	0.0002	6.50	6.93	12973
POND 10E2	10Y-8H	4.93	3.90	0.0003	7.48	7.01	6054
POND 10E3	10Y-8H	5.43	4.91	0.0017	21.90	21.69	8273
POND 10E4	10Y-8H	6.43	4.77	0.0006	12.94	12.93	7419
POND 10W5	10Y-8H	4.93	4.08	0.0003	9.68	1.78	27836
POND 10W6	10Y-8H	4.93	5.19	0.0005	21.43	4.96	35284
SWALE 10E1A	10Y-8H	5.93	3.99	0.0005	6.10	5.55	1342
SWALE 10E1B	10Y-8H	5.93	3.99	0.0002	8.62	6.21	21413
CGCANALEAST1	25Y-72H	4.93	2.93	0.0003	93.76	0.03	0
EX10S09	25Y-72H	5.68	4.88	0.0010	6.66	6.58	395
EX10S112	25Y-72H	7.79	5.64	0.0009	11.26	11.22	247
EX10S114	25Y-72H	7.25	5.50	0.0010	11.74	11.70	407
EX10S117	25Y-72H	6.43	4.27	0.0026	25.18	25.18	113
EX10S14	25Y-72H	5.93	4.67	0.0010	3.38	3.35	113
EX10S16	25Y-72H	6.11	4.61	0.0024	10.15	10.11	113
EX10S17	25Y-72H	5.93	4.59	0.0014	13.89	13.82	231
EX10S18	25Y-72H	6.10	4.76	0.0005	7.09	7.10	342
EX10S19	25Y-72H	6.04	6.14	0.0018	14.66	14.30	656
EX10S19A	25Y-72H	5.04	6.14	0.0018	18.12	17.79	158

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX10S21	25Y-72H	6.68	6.09	0.0016	13.49	13.52	617
EX10S22	25Y-72H	6.36	6.05	0.0015	16.06	16.09	922
EX10S23	25Y-72H	13.52	10.58	0.0004	7.49	7.48	206
EX10S24	25Y-72H	12.89	5.95	0.0015	21.18	21.21	1023
EX10S25	25Y-72H	19.64	5.69	0.0015	24.21	24.21	626
EX10S27	25Y-72H	25.30	19.66	0.0009	15.16	15.16	113
EX10S65	25Y-72H	4.93	4.28	0.0015	21.98	21.98	241
EX10S68	25Y-72H	4.93	4.25	0.0015	22.92	22.92	242
EX10S76	25Y-72H	18.24	4.26	0.0006	1.36	1.34	113
EX10S77	25Y-72H	14.84	8.73	0.0001	0.62	0.62	113
EX10S78	25Y-72H	19.62	16.35	0.0002	1.18	1.17	113
EX10SA10	25Y-72H	5.35	5.65	0.0009	5.41	5.37	286
EX10SA2	25Y-72H	7.02	5.75	0.0010	6.13	6.08	604
EX10SA5	25Y-72H	5.93	5.74	0.0009	2.86	2.81	408
EXCS10S116	25Y-72H	6.43	5.03	0.0015	25.21	25.18	230
EXCS10S69	25Y-72H	4.93	3.07	0.0036	24.15	24.15	113
EXCS10S72	25Y-72H	5.43	4.37	0.0010	45.94	45.93	527
POND 10E1	25Y-72H	4.93	4.33	0.0003	22.82	21.98	13315
POND 10E2	25Y-72H	4.93	4.19	0.0002	24.22	24.15	6327
POND 10E3	25Y-72H	5.43	5.22	0.0017	46.27	45.94	8587
POND 10E4	25Y-72H	6.43	5.18	0.0005	27.69	25.21	8490
POND 10W5	25Y-72H	4.93	4.88	0.0005	13.71	4.97	29525
POND 10W6	25Y-72H	4.93	6.15	0.0007	26.21	10.84	35284
SWALE 10E1A	25Y-72H	5.93	4.57	0.0004	13.82	13.40	1342
SWALE 10E1B	25Y-72H	5.93	4.57	0.0004	24.97	21.39	21413

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX10S09_PND10W5	100Y-1H	22.28	-1.76	10.36	6.70	9.24	7.97
EX10S09_S18	100Y-1H	1.78	-6.80	-0.11	-2.16	-2.21	-2.19
EX10S112_PND10E4	100Y-1H	14.09	0.00	-0.32	4.48	4.57	4.48
EX10S114_PND10E4	100Y-1H	14.70	0.00	-0.08	4.68	4.78	4.68
EX10S117_CGCANALE	100Y-1H	28.58	0.00	0.76	9.10	9.46	9.28
EX10S14_S17	100Y-1H	2.12	-0.70	-0.35	1.20	1.20	1.20
EX10S16_S17	100Y-1H	12.79	0.00	3.52	1.81	1.81	1.81
EX10S17_WEIR	100Y-1H	15.13	0.00	-0.84	1.01	1.01	1.01
EX10S18_SWA10E1B	100Y-1H	2.30	-2.35	0.04	1.69	3.16	2.29
EX10S19A_PND10W6	100Y-1H	37.30	-5.22	-1.95	5.28	7.42	6.27
EX10S19_S19A	100Y-1H	34.72	-6.32	-5.17	4.91	4.91	4.91
EX10S21_S19	100Y-1H	21.86	-5.60	-2.56	3.09	3.09	3.09
EX10S21_S22	100Y-1H	5.50	-21.82	-2.46	-3.09	-3.09	-3.09
EX10S22_S24	100Y-1H	6.04	-8.57	2.06	-1.21	-2.04	-1.59
EX10S23_S24	100Y-1H	9.49	0.00	-0.07	5.35	10.27	7.81
EX10S24_S25	100Y-1H	7.85	-2.62	-2.31	1.11	-2.39	-1.62
EX10S25_PND10E3	100Y-1H	13.16	-4.39	1.36	1.86	-3.85	-2.67
EX10S27_PND10E3	100Y-1H	27.24	0.00	9.62	10.71	30.93	20.82
EX10S65_S68	100Y-1H	9.06	-2.74	-7.47	0.56	0.56	0.56
EX10S65_WEIR	100Y-1H	6.65	-2.47	1.20	-0.86	-0.86	-0.86
EX10S68_WEIR	100Y-1H	7.18	-0.95	1.20	0.64	0.64	0.64
EX10S76_68	100Y-1H	1.68	-0.01	0.35	1.37	1.37	1.37
EX10S77_S76	100Y-1H	0.78	0.00	0.02	2.73	3.82	3.27
EX10S78_PND10E3	100Y-1H	1.49	0.00	-0.02	3.26	6.22	4.37
EX10SA10_S114	100Y-1H	6.73	-1.60	0.06	2.14	-3.14	2.14
EX10SA10_SA5	100Y-1H	0.85	-3.60	-0.03	-2.04	-2.04	-2.04
EX10SA2_S112	100Y-1H	6.44	-1.18	-0.05	2.05	2.05	2.05
EX10SA5_SA2	100Y-1H	0.03	-1.92	-0.02	-0.61	-0.66	-0.64
EXCS10S116_S117	100Y-1H	28.58	0.00	1.38	9.10	9.10	9.10

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EXCS10S116_WEIR	100Y-1H	28.59	0.00	0.02	2.02	2.02	2.02
EXCS10S69_CGCANALE	100Y-1H	7.65	0.00	-0.17	0.81	3.27	2.04
EXCS10S69_WEIR	100Y-1H	7.65	0.00	0.01	1.37	1.37	1.37
EXCS10S72_CGCANALE	100Y-1H	40.81	0.00	-0.05	4.24	7.23	5.74
EXCS10S72_WEIR	100Y-1H	40.82	0.00	0.02	2.39	2.39	2.39
SWA10E1A_SWA10E1B	100Y-1H	14.27	0.00	-0.23	2.28	2.75	2.18
SWA10E1B_POND10E1	100Y-1H	12.77	0.00	-0.01	0.82	1.94	1.27
EX10S09_PND10W5	100Y-24H	1.72	-1.67	0.26	2.12	1.65	1.83
EX10S09_S18	100Y-24H	2.57	-1.22	0.13	0.82	-1.10	0.82
EX10S112_PND10E4	100Y-24H	2.52	0.00	-0.45	0.99	0.80	0.84
EX10S114_PND10E4	100Y-24H	2.54	-0.01	0.79	2.71	3.56	3.12
EX10S117_CGCANALE	100Y-24H	7.19	0.00	-1.31	4.37	8.39	6.38
EX10S14_S17	100Y-24H	0.76	-0.24	-0.37	0.43	0.43	0.43
EX10S16_S17	100Y-24H	4.09	-0.31	-3.55	0.58	0.58	0.58
EX10S17_WEIR	100Y-24H	3.33	0.00	0.97	0.29	0.29	0.29
EX10S18_SWA10E1B	100Y-24H	3.42	-0.77	-0.02	1.37	-2.38	-1.56
EX10S19A_PND10W6	100Y-24H	4.43	-3.35	-2.22	1.22	1.29	1.25
EX10S19_S19A	100Y-24H	6.23	-5.33	5.06	1.20	1.23	1.22
EX10S21_S19	100Y-24H	3.71	-5.21	-3.04	1.56	0.98	1.24
EX10S21_S22	100Y-24H	5.05	-3.60	2.70	-0.83	-1.63	-1.17
EX10S22_S24	100Y-24H	6.95	-2.58	2.13	0.98	-1.59	-1.10
EX10S23_S24	100Y-24H	1.64	0.00	-0.03	3.16	6.16	4.66
EX10S24_S25	100Y-24H	9.13	-2.38	2.59	1.29	-2.39	-1.62
EX10S25_PND10E3	100Y-24H	10.02	-4.39	1.57	-1.50	-3.85	-2.67
EX10S27_PND10E3	100Y-24H	3.31	0.00	-0.03	3.85	8.48	5.62
EX10S65_S68	100Y-24H	9.50	-0.11	7.70	0.59	0.59	0.59
EX10S65_WEIR	100Y-24H	7.89	-0.09	-1.24	0.28	0.28	0.28
EX10S68_WEIR	100Y-24H	8.17	0.00	-1.34	0.29	0.29	0.29

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX10S76_68	100Y-24H	0.53	-0.05	0.49	0.43	0.43	0.43
EX10S77_S76	100Y-24H	0.14	0.00	0.01	1.72	2.25	1.98
EX10S78_PND10E3	100Y-24H	0.26	0.00	-0.01	2.03	0.84	1.09
EX10SA10_S114	100Y-24H	1.15	-0.20	-0.67	0.58	-1.81	-0.94
EX10SA10_SA5	100Y-24H	0.19	-0.59	-0.27	-0.33	-0.33	-0.33
EX10SA2_S112	100Y-24H	1.19	-0.35	0.62	0.38	0.38	0.38
EX10SA5_SA2	100Y-24H	0.06	-0.64	0.47	-0.20	-0.21	-0.20
EXCS10S116_S117	100Y-24H	6.14	0.00	1.54	1.95	1.95	1.95
EXCS10S116_WEIR	100Y-24H	6.09	0.00	0.00	1.27	1.27	1.27
EXCS10S69_CGCANALE	100Y-24H	8.52	0.00	-0.17	0.89	2.75	1.82
EXCS10S69_WEIR	100Y-24H	8.52	0.00	0.00	1.42	1.42	1.42
EXCS10S72_CGCANALE	100Y-24H	14.88	0.00	-0.07	1.71	4.82	3.26
EXCS10S72_WEIR	100Y-24H	14.89	0.00	0.00	1.71	1.71	1.71
SWA10E1A_SWA10E1B	100Y-24H	3.11	0.00	0.43	0.72	0.57	0.56
SWA10E1B_PND10E1	100Y-24H	7.56	0.00	-0.03	0.40	0.46	0.43
EX10S09_PND10W5	100Y-8H	7.47	-3.38	1.09	2.95	4.17	3.54
EX10S09_S18	100Y-8H	4.20	-3.91	0.05	1.34	-1.45	1.34
EX10S112_PND10E4	100Y-8H	7.43	0.00	0.07	2.78	2.36	2.42
EX10S114_PND10E4	100Y-8H	7.74	-0.01	-0.60	3.55	4.84	4.20
EX10S117_CGCANALE	100Y-8H	18.27	0.00	1.31	5.82	9.57	7.27
EX10S14_S17	100Y-8H	1.87	-0.27	-0.41	1.06	1.06	1.06
EX10S16_S17	100Y-8H	6.82	-0.04	3.91	0.96	0.96	0.96
EX10S17_WEIR	100Y-8H	8.74	0.00	-1.13	0.69	0.69	0.69
EX10S18_SWA10E1B	100Y-8H	5.36	-1.10	0.02	1.86	-2.53	1.89
EX10S19A_PND10W6	100Y-8H	16.72	-7.89	-1.96	2.37	2.99	2.52
EX10S19_S19A	100Y-8H	15.70	-8.48	-5.18	2.22	2.22	2.22
EX10S21_S19	100Y-8H	11.02	-10.56	-2.75	2.05	1.61	1.82

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX10S21_S22	100Y-8H	10.56	-11.10	-2.56	-1.57	-2.24	-1.71
EX10S22_S24	100Y-8H	13.90	-6.41	2.09	1.97	1.97	1.97
EX10S23_S24	100Y-8H	4.91	0.00	-0.03	4.32	8.51	6.42
EX10S24_S25	100Y-8H	18.38	-3.53	-2.33	2.60	2.60	2.60
EX10S25_PND10E3	100Y-8H	20.63	-4.39	1.50	2.92	-3.85	2.92
EX10S27_PND10E3	100Y-8H	9.94	0.00	-0.07	5.44	16.94	11.19
EX10S65_S68	100Y-8H	14.25	-0.26	-7.34	0.88	0.88	0.88
EX10S65_WEIR	100Y-8H	14.25	-0.15	1.31	0.44	0.44	0.44
EX10S68_WEIR	100Y-8H	14.84	0.00	-1.35	0.47	0.47	0.47
EX10S76_68	100Y-8H	0.93	-0.02	0.34	0.76	0.76	0.76
EX10S77_S76	100Y-8H	0.41	0.00	-0.01	2.29	3.14	2.71
EX10S78_PND10E3	100Y-8H	0.77	0.00	-0.02	2.72	1.00	1.58
EX10SA10_S114	100Y-8H	3.56	-0.54	0.71	1.13	-2.35	-1.26
EX10SA10_SA5	100Y-8H	0.39	-1.86	0.40	-1.05	-1.05	-1.05
EX10SA2_S112	100Y-8H	3.42	-0.37	-0.70	1.09	1.09	1.09
EX10SA5_SA2	100Y-8H	0.03	-0.75	0.55	-0.24	-0.25	-0.24
EXCS10S116_S117	100Y-8H	18.27	0.00	1.51	5.82	5.82	5.82
EXCS10S116_WEIR	100Y-8H	18.28	0.00	0.01	1.83	1.83	1.83
EXCS10S69_CGCANALE	100Y-8H	15.63	0.00	-0.17	1.62	5.33	3.48
EXCS10S69_WEIR	100Y-8H	15.63	0.00	0.01	1.73	1.73	1.73
EXCS10S72_CGCANALE	100Y-8H	34.84	0.00	0.05	3.62	6.84	5.23
EXCS10S72_WEIR	100Y-8H	34.84	0.00	0.02	2.27	2.27	2.27
SWA10E1A_SWA10E1B	100Y-8H	8.48	0.00	-0.39	1.04	1.35	1.02
SWA10E1B_PND10E1	100Y-8H	13.70	0.00	-0.01	0.64	0.76	0.70
EX10S09_PND10W5	10Y-1H	13.57	0.00	-2.47	5.59	8.10	6.85
EX10S09_S18	10Y-1H	0.07	-5.59	-0.04	-1.78	-2.36	-2.07
EX10S112_PND10E4	10Y-1H	9.81	0.00	-0.25	3.88	4.34	3.95
EX10S114_PND10E4	10Y-1H	10.23	0.00	0.10	3.26	4.56	3.56

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX10S117_CGCANALE	10Y-1H	23.37	0.00	-1.03	7.44	9.26	7.79
EX10S14_S17	10Y-1H	1.02	-0.63	0.35	0.58	0.58	0.58
EX10S16_S17	10Y-1H	8.81	-0.01	3.81	1.25	1.25	1.25
EX10S17_WEIR	10Y-1H	9.98	0.00	0.72	0.97	0.97	0.97
EX10S18_SWA10E1B	10Y-1H	1.00	-1.90	0.02	1.30	2.51	1.80
EX10S19A_PND10W6	10Y-1H	30.61	-1.85	1.95	4.33	6.87	5.54
EX10S19_S19A	10Y-1H	29.32	-2.56	4.28	4.15	4.15	4.15
EX10S21_S19	10Y-1H	21.00	-2.47	-2.44	2.97	2.97	2.97
EX10S21_S22	10Y-1H	2.40	-20.97	-2.38	-2.97	-2.97	-2.97
EX10S22_S24	10Y-1H	2.14	-12.67	2.07	-1.79	-2.04	-1.79
EX10S23_S24	10Y-1H	6.52	0.00	0.05	4.72	9.24	6.98
EX10S24_S25	10Y-1H	2.39	-5.70	-2.35	-1.07	-2.39	-1.62
EX10S25_PND10E3	10Y-1H	4.78	-4.39	1.60	-1.50	-3.85	-2.67
EX10S27_PND10E3	10Y-1H	13.21	0.00	-0.11	6.07	18.38	12.22
EX10S65_S68	10Y-1H	3.10	-3.94	3.86	-0.24	-0.24	-0.24
EX10S65_WEIR	10Y-1H	1.60	-1.77	0.61	-0.74	-0.74	-0.74
EX10S68_WEIR	10Y-1H	2.00	-0.76	0.58	0.33	0.33	0.33
EX10S76_68	10Y-1H	1.18	0.00	-0.25	0.96	0.96	0.96
EX10S77_S76	10Y-1H	0.54	0.00	0.01	2.47	3.42	2.94
EX10S78_PND10E3	10Y-1H	1.02	0.00	0.02	2.94	5.99	4.21
EX10SA10_S114	10Y-1H	4.71	-1.47	0.30	1.50	-3.07	-1.76
EX10SA10_SA5	10Y-1H	0.80	-2.46	0.16	-1.39	-1.39	-1.39
EX10SA2_S112	10Y-1H	4.50	-1.07	-0.15	1.43	1.43	1.43
EX10SA5_SA2	10Y-1H	0.03	-1.78	0.08	-0.57	-0.62	-0.59
EXCS10S116_S117	10Y-1H	23.37	0.00	-1.42	7.44	7.44	7.44
EXCS10S116_WEIR	10Y-1H	23.39	0.00	0.03	1.98	1.98	1.98
EXCS10S69_CGCANALE	10Y-1H	4.07	0.00	-0.17	0.45	1.79	1.12
EXCS10S69_WEIR	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
EXCS10S72_CGCANALE	10Y-1H	20.91	0.00	-0.05	2.17	5.81	3.99

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EXCS10S72_WEIR	10Y-1H	21.00	0.00	0.02	1.91	1.91	1.91
SWA10E1A_SWA10E1B	10Y-1H	9.58	0.00	0.11	2.03	2.55	2.01
SWA10E1B_POND10E1	10Y-1H	7.23	-0.52	-0.04	0.62	1.64	1.07
EX10S09_PND10W5	10Y-24H	1.63	-0.89	-0.24	2.08	1.23	1.54
EX10S09_S18	10Y-24H	1.36	-1.13	-0.13	0.43	-1.07	-0.58
EX10S112_PND10E4	10Y-24H	1.72	0.00	-0.60	0.76	0.55	0.58
EX10S114_PND10E4	10Y-24H	1.63	-0.01	0.80	2.70	3.58	3.14
EX10S117_CGCANALE	10Y-24H	4.02	0.00	0.63	2.41	2.10	2.26
EX10S14_S17	10Y-24H	0.54	-0.17	-0.35	0.30	0.30	0.30
EX10S16_S17	10Y-24H	3.15	-0.36	-3.01	0.45	0.45	0.45
EX10S17_WEIR	10Y-24H	2.26	0.00	0.92	0.26	0.26	0.26
EX10S18_SWA10E1B	10Y-24H	1.83	-0.69	0.03	0.86	-2.29	-1.49
EX10S19A_POND10W6	10Y-24H	4.34	-2.91	2.23	1.01	1.06	1.04
EX10S19_S19A	10Y-24H	6.06	-4.63	4.92	1.00	1.02	1.01
EX10S21_S19	10Y-24H	3.67	-3.69	-2.70	1.38	0.82	1.09
EX10S21_S22	10Y-24H	3.62	-3.63	2.56	-0.67	-1.43	-1.04
EX10S22_S24	10Y-24H	4.63	-2.58	2.04	-0.76	-1.59	-1.02
EX10S23_S24	10Y-24H	1.08	0.00	0.03	2.83	5.43	4.13
EX10S24_S25	10Y-24H	6.07	-2.36	2.54	-0.86	-2.39	-1.62
EX10S25_PND10E3	10Y-24H	6.64	-4.39	1.59	-1.50	-3.85	-2.67
EX10S27_PND10E3	10Y-24H	2.19	0.00	0.03	3.43	8.14	5.40
EX10S65_S68	10Y-24H	7.81	-0.09	7.80	0.48	0.48	0.48
EX10S65_WEIR	10Y-24H	4.56	-0.07	-1.17	0.18	0.18	0.18
EX10S68_WEIR	10Y-24H	4.71	0.00	-1.25	0.18	0.18	0.18
EX10S76_68	10Y-24H	0.44	-0.02	-0.37	0.36	0.36	0.36
EX10S77_S76	10Y-24H	0.09	0.00	-0.01	1.54	0.00	0.77
EX10S78_PND10E3	10Y-24H	0.17	0.00	0.01	1.82	0.77	0.96
EX10SA10_S114	10Y-24H	0.74	-0.14	-0.60	0.57	-1.66	-0.85
EX10SA10_SA5	10Y-24H	0.13	-0.58	0.33	-0.33	-0.33	-0.33

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX10SA2_S112	10Y-24H	0.88	-0.41	-0.65	0.28	0.28	0.28
EX10SA5_SA2	10Y-24H	0.06	-0.70	-0.58	-0.22	-0.23	-0.22
EXCS10S116_S117	10Y-24H	4.03	0.00	1.98	1.28	1.28	1.28
EXCS10S116_WEIR	10Y-24H	4.02	0.00	0.00	1.10	1.10	1.10
EXCS10S69_CGCANALE	10Y-24H	4.32	0.00	-0.17	0.46	1.79	1.12
EXCS10S69_WEIR	10Y-24H	4.32	0.00	0.00	1.13	1.13	1.13
EXCS10S72_CGCANALE	10Y-24H	9.84	0.00	-0.09	1.30	3.19	2.24
EXCS10S72_WEIR	10Y-24H	9.84	0.00	0.00	1.49	1.49	1.49
SWA10E1A_SWA10E1B	10Y-24H	1.88	0.00	0.29	0.62	0.54	0.52
SWA10E1B_POND10E1	10Y-24H	3.83	0.00	-0.03	0.23	0.31	0.24
EX10S09_POND10W5	10Y-8H	6.37	-1.78	-1.05	2.76	3.69	3.17
EX10S09_S18	10Y-8H	2.26	-3.61	-0.47	-1.15	-1.44	-1.22
EX10S112_POND10E4	10Y-8H	5.28	0.00	0.09	2.58	1.73	2.14
EX10S114_POND10E4	10Y-8H	5.45	-0.01	-0.44	3.33	4.53	3.93
EX10S117_CGCANALE	10Y-8H	12.92	0.00	-1.39	4.96	9.57	7.26
EX10S14_S17	10Y-8H	1.10	-0.26	0.38	0.62	0.62	0.62
EX10S16_S17	10Y-8H	6.32	-0.25	4.18	0.89	0.89	0.89
EX10S17_WEIR	10Y-8H	6.10	0.00	1.06	0.65	0.65	0.65
EX10S18_SWA10E1B	10Y-8H	2.78	-1.30	-0.02	1.18	-2.43	-1.59
EX10S19A_POND10W6	10Y-8H	17.88	-4.96	-1.91	2.53	2.71	2.53
EX10S19_S19A	10Y-8H	17.12	-6.89	-4.31	2.42	2.42	2.42
EX10S21_S19	10Y-8H	12.93	-6.68	2.88	2.03	1.83	1.83
EX10S21_S22	10Y-8H	6.54	-13.01	2.70	-1.84	-2.17	-1.84
EX10S22_S24	10Y-8H	8.79	-8.57	2.05	1.24	-1.72	-1.40
EX10S23_S24	10Y-8H	3.47	0.00	-0.03	3.91	7.69	5.80
EX10S24_S25	10Y-8H	11.56	-4.04	2.39	1.64	-2.39	1.64
EX10S25_POND10E3	10Y-8H	12.71	-4.39	1.47	1.80	-3.85	-2.67
EX10S27_POND10E3	10Y-8H	7.03	0.00	0.03	4.84	14.21	9.34

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX10S65_S68	10Y-8H	9.66	-0.20	7.86	0.60	0.60	0.60
EX10S65_WEIR	10Y-8H	6.93	-0.11	-1.16	0.25	0.25	0.25
EX10S68_WEIR	10Y-8H	7.18	0.00	-1.22	0.34	0.34	0.34
EX10S76_68	10Y-8H	0.68	0.00	0.47	0.55	0.55	0.55
EX10S77_S76	10Y-8H	0.29	0.00	-0.01	2.09	2.83	2.46
EX10S78_PND10E3	10Y-8H	0.55	0.00	0.01	2.47	0.95	1.39
EX10SA10_S114	10Y-8H	2.49	-0.46	-0.66	0.80	-2.25	-1.20
EX10SA10_SA5	10Y-8H	0.37	-1.29	-0.40	-0.73	-0.73	-0.73
EX10SA2_S112	10Y-8H	2.45	-0.31	-0.68	0.78	0.78	0.78
EX10SA5_SA2	10Y-8H	0.03	-0.70	0.47	-0.22	-0.22	-0.22
EXCS10S116_S117	10Y-8H	12.93	0.00	-1.46	4.11	4.11	4.11
EXCS10S116_WEIR	10Y-8H	12.93	0.00	0.01	1.63	1.63	1.63
EXCS10S69_CGCANALE	10Y-8H	7.01	0.00	-0.17	0.74	2.69	1.72
EXCS10S69_WEIR	10Y-8H	7.01	0.00	0.00	1.33	1.33	1.33
EXCS10S72_CGCANALE	10Y-8H	21.68	0.00	0.06	2.25	5.87	4.06
EXCS10S72_WEIR	10Y-8H	21.69	0.00	0.02	1.93	1.93	1.93
SWA10E1A_SWA10E1B	10Y-8H	5.55	0.00	0.59	1.01	1.13	0.88
SWA10E1B_PND10E1	10Y-8H	6.21	0.00	-0.01	0.34	0.58	0.37
EX10S09_PND10W5	25Y-72H	6.58	-4.97	-1.24	1.44	1.34	1.34
EX10S09_S18	25Y-72H	5.96	-1.08	0.23	1.90	1.90	1.90
EX10S112_PND10E4	25Y-72H	11.22	0.00	-0.27	3.57	3.57	3.57
EX10S114_PND10E4	25Y-72H	11.70	-0.01	0.79	3.73	3.73	3.73
EX10S117_CGCANALE	25Y-72H	25.18	-0.03	0.85	8.02	8.02	8.02
EX10S14_S17	25Y-72H	3.35	-0.16	-0.40	1.89	1.89	1.89
EX10S16_S17	25Y-72H	10.11	-0.23	4.48	1.43	1.43	1.43
EX10S17_WEIR	25Y-72H	13.82	0.00	-1.99	0.34	0.34	0.34
EX10S18_SWA10E1B	25Y-72H	7.10	-0.22	-0.03	2.26	2.38	2.30

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX10S19A_PND10W6	25Y-72H	17.79	-10.84	1.86	2.52	2.52	2.52
EX10S19_S19A	25Y-72H	14.30	-11.59	-5.22	2.02	2.02	2.02
EX10S21_S19	25Y-72H	5.29	-13.49	-2.77	-1.91	-1.91	-1.91
EX10S21_S22	25Y-72H	13.52	-5.38	-2.60	1.91	1.91	1.91
EX10S22_S24	25Y-72H	16.09	-1.00	2.04	2.28	2.28	2.28
EX10S23_S24	25Y-72H	7.48	0.00	0.03	4.94	9.60	7.27
EX10S24_S25	25Y-72H	21.21	-0.72	2.63	3.00	3.00	3.00
EX10S25_PND10E3	25Y-72H	24.21	-4.39	1.76	3.42	-3.85	3.42
EX10S27_PND10E3	25Y-72H	15.16	0.00	0.19	6.44	19.11	12.77
EX10S65_S68	25Y-72H	21.98	-0.05	-7.50	1.36	1.36	1.36
EX10S65_WEIR	25Y-72H	21.98	-0.04	1.73	0.59	0.59	0.59
EX10S68_WEIR	25Y-72H	22.92	-0.02	-1.81	0.66	0.66	0.66
EX10S76_68	25Y-72H	1.34	0.00	0.44	1.09	1.09	1.09
EX10S77_S76	25Y-72H	0.62	0.00	0.01	2.56	3.56	3.06
EX10S78_PND10E3	25Y-72H	1.17	0.00	-0.02	3.05	0.66	1.86
EX10SA10_S114	25Y-72H	5.37	-0.05	0.69	1.71	1.71	1.71
EX10SA10_SA5	25Y-72H	0.05	-2.81	0.40	-1.59	-1.59	-1.59
EX10SA2_S112	25Y-72H	5.14	-0.16	-0.60	1.64	1.64	1.64
EX10SA5_SA2	25Y-72H	0.06	-0.95	0.24	-0.30	-0.30	-0.30
EXCS10S116_S117	25Y-72H	25.18	-0.02	-1.65	8.02	8.02	8.02
EXCS10S116_WEIR	25Y-72H	25.21	0.00	0.01	1.95	1.95	1.95
EXCS10S69_CGCANALE	25Y-72H	24.15	-0.02	-0.66	2.51	3.69	3.10
EXCS10S69_WEIR	25Y-72H	24.15	0.00	0.01	2.00	2.00	2.00
EXCS10S72_CGCANALE	25Y-72H	45.93	0.00	-0.18	4.77	7.02	5.90
EXCS10S72_WEIR	25Y-72H	45.94	0.00	0.02	2.48	2.48	2.48
SWA10E1A_SWA10E1B	25Y-72H	13.40	0.00	-1.35	0.87	0.56	0.72
SWA10E1B_PND10E1	25Y-72H	21.39	-0.01	0.06	0.87	1.07	0.97

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CGCANALEAST1	100Y-1H	193266	162	193104
CGCANALEAST1	100Y-24H	898430	274	898156
CGCANALEAST1	100Y-8H	572682	209	572473
CGCANALEAST1	10Y-1H	73616	226	73390
CGCANALEAST1	10Y-24H	511711	308	511403
CGCANALEAST1	10Y-8H	336188	216	335971
CGCANALEAST1	25Y-72H	947300	605	946695

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S09	100Y-1H	41050	40459	591
EX10S09	100Y-24H	107020	106420	600
EX10S09	100Y-8H	85745	85151	594
EX10S09	10Y-1H	27028	26472	556
EX10S09	10Y-24H	71370	70770	600
EX10S09	10Y-8H	57131	56538	593
EX10S09	25Y-72H	121476	120875	601

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S112	100Y-1H	31658	31213	445
EX10S112	100Y-24H	92531	92087	445
EX10S112	100Y-8H	62449	62005	445
EX10S112	10Y-1H	21391	20948	443
EX10S112	10Y-24H	61637	61192	445
EX10S112	10Y-8H	43854	43406	447
EX10S112	25Y-72H	97028	96583	444

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S114	100Y-1H	32832	32321	510
EX10S114	100Y-24H	85185	84720	466
EX10S114	100Y-8H	63025	62541	483
EX10S114	10Y-1H	22125	21616	508
EX10S114	10Y-24H	54282	53822	460
EX10S114	10Y-8H	43680	43198	481

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S114	25Y-72H	88303	87848	455

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S117	100Y-1H	68028	67980	47
EX10S117	100Y-24H	204342	204313	29
EX10S117	100Y-8H	141578	141483	95
EX10S117	10Y-1H	42736	42690	46
EX10S117	10Y-24H	129812	129718	95
EX10S117	10Y-8H	95822	95779	43
EX10S117	25Y-72H	213745	213613	132

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S14	100Y-1H	4512	4269	244
EX10S14	100Y-24H	20832	20561	271
EX10S14	100Y-8H	12856	12617	238
EX10S14	10Y-1H	2215	1988	227
EX10S14	10Y-24H	11410	11152	258
EX10S14	10Y-8H	7448	7197	251
EX10S14	25Y-72H	22025	21782	244

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S16	100Y-1H	28929	28689	240
EX10S16	100Y-24H	78494	78224	270
EX10S16	100Y-8H	55668	55584	85
EX10S16	10Y-1H	19737	19514	223
EX10S16	10Y-24H	51390	51092	298
EX10S16	10Y-8H	39028	38846	182
EX10S16	25Y-72H	81828	81673	155

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S17	100Y-1H	34126	33772	354
EX10S17	100Y-24H	102065	101811	254
EX10S17	100Y-8H	70507	69971	536
EX10S17	10Y-1H	22282	21962	320
EX10S17	10Y-24H	64369	64113	256
EX10S17	10Y-8H	47641	47246	394
EX10S17	25Y-72H	106876	106427	449

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S18	100Y-1H	26755	26199	556
EX10S18	100Y-24H	121078	120513	565
EX10S18	100Y-8H	78414	77847	567
EX10S18	10Y-1H	16233	15710	523
EX10S18	10Y-24H	71386	70822	564
EX10S18	10Y-8H	47594	47025	569
EX10S18	25Y-72H	128340	127784	556

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S19	100Y-1H	88353	87505	848
EX10S19	100Y-24H	217343	215763	1581
EX10S19	100Y-8H	190407	189106	1301
EX10S19	10Y-1H	70181	69429	752
EX10S19	10Y-24H	154949	153956	994
EX10S19	10Y-8H	139906	138755	1151
EX10S19	25Y-72H	251281	251398	-116

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S19A	100Y-1H	90653	90399	254
EX10S19A	100Y-24H	156580	156871	-292
EX10S19A	100Y-8H	172477	172647	-171
EX10S19A	10Y-1H	71601	71262	339
EX10S19A	10Y-24H	121710	121655	56
EX10S19A	10Y-8H	127639	127694	-55
EX10S19A	25Y-72H	209275	209295	-20

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S21	100Y-1H	61889	60453	1436
EX10S21	100Y-24H	199687	198212	1475
EX10S21	100Y-8H	158544	157218	1327
EX10S21	10Y-1H	51714	50263	1450
EX10S21	10Y-24H	138127	136576	1551
EX10S21	10Y-8H	116332	114963	1369
EX10S21	25Y-72H	219964	218500	1463

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S22	100Y-1H	66391	64254	2137
EX10S22	100Y-24H	269078	266958	2120
EX10S22	100Y-8H	195926	193777	2149
EX10S22	10Y-1H	53994	51866	2128
EX10S22	10Y-24H	178052	175715	2337
EX10S22	10Y-8H	137626	135413	2213
EX10S22	25Y-72H	286284	284431	1853

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S23	100Y-1H	21335	21337	-2
EX10S23	100Y-24H	57904	57904	0
EX10S23	100Y-8H	41062	41070	-8
EX10S23	10Y-1H	14550	14550	0
EX10S23	10Y-24H	37905	37905	0
EX10S23	10Y-8H	28785	28787	-2
EX10S23	25Y-72H	60360	60371	-11

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S24	100Y-1H	55313	52681	2632
EX10S24	100Y-24H	326059	323571	2488
EX10S24	100Y-8H	217474	214952	2522
EX10S24	10Y-1H	36515	33903	2612
EX10S24	10Y-24H	203426	200920	2506
EX10S24	10Y-8H	141468	138927	2541

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S24	25Y-72H	341521	338777	2744

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S25	100Y-1H	49349	47920	1429
EX10S25	100Y-24H	334981	333543	1438
EX10S25	100Y-8H	215701	214267	1433
EX10S25	10Y-1H	19308	17877	1431
EX10S25	10Y-24H	201099	199755	1344
EX10S25	10Y-8H	132053	130654	1399
EX10S25	25Y-72H	352181	350241	1941

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S27	100Y-1H	43200	43139	61
EX10S27	100Y-24H	117243	117243	0
EX10S27	100Y-8H	83142	83142	0
EX10S27	10Y-1H	29460	29460	0
EX10S27	10Y-24H	76749	76749	0
EX10S27	10Y-8H	58284	58284	0
EX10S27	25Y-72H	122217	122217	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S65	100Y-1H	29632	29375	257
EX10S65	100Y-24H	228470	228009	461
EX10S65	100Y-8H	135505	135153	352
EX10S65	10Y-1H	2609	2262	347
EX10S65	10Y-24H	118933	118445	488
EX10S65	10Y-8H	68504	68172	332
EX10S65	25Y-72H	242391	241989	402

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S68	100Y-1H	32277	31809	468
EX10S68	100Y-24H	237757	237498	259
EX10S68	100Y-8H	142117	141741	376
EX10S68	10Y-1H	3885	3583	302
EX10S68	10Y-24H	124529	124305	224
EX10S68	10Y-8H	72948	72550	398
EX10S68	25Y-72H	252052	251727	324

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S76	100Y-1H	3884	3645	239
EX10S76	100Y-24H	10533	10291	242
EX10S76	100Y-8H	7471	7234	238
EX10S76	10Y-1H	2655	2427	227
EX10S76	10Y-24H	6897	6646	251
EX10S76	10Y-8H	5239	5004	235
EX10S76	25Y-72H	10980	10742	238

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S77	100Y-1H	1763	1763	0
EX10S77	100Y-24H	4785	4785	0
EX10S77	100Y-8H	3394	3394	0
EX10S77	10Y-1H	1202	1202	0
EX10S77	10Y-24H	3133	3133	0
EX10S77	10Y-8H	2379	2379	0
EX10S77	25Y-72H	4988	4988	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S78	100Y-1H	3350	3350	0
EX10S78	100Y-24H	9092	9092	0
EX10S78	100Y-8H	6448	6448	0
EX10S78	10Y-1H	2285	2285	0
EX10S78	10Y-24H	5952	5952	0
EX10S78	10Y-8H	4520	4520	0
EX10S78	25Y-72H	9478	9478	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10SA10	100Y-1H	15358	14820	538
EX10SA10	100Y-24H	36627	36094	533
EX10SA10	100Y-8H	28793	28258	536
EX10SA10	10Y-1H	10431	9893	538
EX10SA10	10Y-24H	22750	22218	532
EX10SA10	10Y-8H	19899	19364	535
EX10SA10	25Y-72H	37658	37130	528

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10SA2	100Y-1H	17824	17007	816
EX10SA2	100Y-24H	48631	47814	817
EX10SA2	100Y-8H	34098	33283	815
EX10SA2	10Y-1H	12272	11455	816
EX10SA2	10Y-24H	32565	31748	817
EX10SA2	10Y-8H	24093	23283	810
EX10SA2	25Y-72H	51675	50859	816

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10SA5	100Y-1H	8441	7769	672
EX10SA5	100Y-24H	17713	17041	672
EX10SA5	100Y-8H	15156	14483	674
EX10SA5	10Y-1H	5869	5197	672
EX10SA5	10Y-24H	11059	10386	673
EX10SA5	10Y-8H	10563	9886	677
EX10SA5	25Y-72H	18916	18243	673

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS10S116	100Y-1H	67978	67931	47
EXCS10S116	100Y-24H	204335	204229	105
EXCS10S116	100Y-8H	141536	141473	63
EXCS10S116	10Y-1H	42686	42638	48
EXCS10S116	10Y-24H	129802	129694	108
EXCS10S116	10Y-8H	95780	95716	64

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS10S116	25Y-72H	213494	213675	-181

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS10S69	100Y-1H	29698	29650	48
EXCS10S69	100Y-24H	244903	244801	102
EXCS10S69	100Y-8H	145314	145250	64
EXCS10S69	10Y-1H	59	11	48
EXCS10S69	10Y-24H	126733	126632	102
EXCS10S69	10Y-8H	73154	73090	64
EXCS10S69	25Y-72H	259569	259580	-12

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS10S72	100Y-1H	95903	95682	221
EXCS10S72	100Y-24H	449831	449370	461
EXCS10S72	100Y-8H	286294	286000	295
EXCS10S72	10Y-1H	31183	30962	221
EXCS10S72	10Y-24H	255881	255419	462
EXCS10S72	10Y-8H	167665	167369	296
EXCS10S72	25Y-72H	474094	474143	-49

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 10E1	100Y-1H	43850	28544	15306
POND 10E1	100Y-24H	242963	227684	15279
POND 10E1	100Y-8H	150354	135047	15307
POND 10E1	10Y-1H	15458	2054	13405
POND 10E1	10Y-24H	133403	118131	15272
POND 10E1	10Y-8H	83427	68116	15311
POND 10E1	25Y-72H	256751	241459	15293

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 10E2	100Y-1H	36005	29850	6155
POND 10E2	100Y-24H	251063	244881	6182
POND 10E2	100Y-8H	151458	145306	6152
POND 10E2	10Y-1H	5764	417	5347
POND 10E2	10Y-24H	132896	126707	6189
POND 10E2	10Y-8H	79294	73145	6149
POND 10E2	25Y-72H	265719	259553	6166

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 10E3	100Y-1H	111297	96792	14505
POND 10E3	100Y-24H	483444	468892	14552
POND 10E3	100Y-8H	316887	302336	14551
POND 10E3	10Y-1H	51829	37262	14567
POND 10E3	10Y-24H	289488	274917	14571
POND 10E3	10Y-8H	197141	182597	14545
POND 10E3	25Y-72H	507653	492901	14752

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 10E4	100Y-1H	76560	67950	8610
POND 10E4	100Y-24H	212911	204302	8609
POND 10E4	100Y-8H	150117	141506	8611
POND 10E4	10Y-1H	51271	42659	8612
POND 10E4	10Y-24H	138376	129767	8609
POND 10E4	10Y-8H	104359	95749	8611
POND 10E4	25Y-72H	222089	213485	8603

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 10W5	100Y-1H	52558	8062	44496
POND 10W5	100Y-24H	87461	42970	44491
POND 10W5	100Y-8H	78598	34106	44492
POND 10W5	10Y-1H	40524	4	40520
POND 10W5	10Y-24H	68135	23644	44491
POND 10W5	10Y-8H	61038	16547	44491
POND 10W5	25Y-72H	99133	54643	44489

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 10W6	100Y-1H	97723	16710	81013
POND 10W6	100Y-24H	140608	59844	80764
POND 10W6	100Y-8H	146246	65156	81090
POND 10W6	10Y-1H	84469	3466	81002
POND 10W6	10Y-24H	117170	36418	80752
POND 10W6	10Y-8H	118348	37317	81031
POND 10W6	25Y-72H	171410	90003	81407

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 10E1A	100Y-1H	33575	32050	1526
SWALE 10E1A	100Y-24H	101638	100070	1568
SWALE 10E1A	100Y-8H	69789	68285	1504
SWALE 10E1A	10Y-1H	21763	20437	1327
SWALE 10E1A	10Y-24H	63938	62388	1550
SWALE 10E1A	10Y-8H	47066	45531	1535
SWALE 10E1A	25Y-72H	106254	104738	1517

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 10E1B	100Y-1H	61582	41429	20153
SWALE 10E1B	100Y-24H	255111	234953	20158
SWALE 10E1B	100Y-8H	164399	144235	20164
SWALE 10E1B	10Y-1H	34752	16994	17758
SWALE 10E1B	10Y-24H	150013	129856	20158
SWALE 10E1B	10Y-8H	100976	80816	20160
SWALE 10E1B	25Y-72H	268485	248332	20153

System 11

Pre-Development Land Use Tables
Post-Development Land Use Tables
Drainage Calculations
Pre-Development Node Link Diagram
Pre-Development ICPR Input/Output

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

PRE-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 11 **SHGWT EL. (ft-NAVD): 1.53**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
11B36	**10**	**3.40**	**3.40**	3.40	0.00	0.00	**0.00**	0.00	0.00	0.00	21.90	20.37	8.18	**98.00**
11B40	**10**	**1.90**	**1.90**	1.90	0.00	0.00	**0.00**	0.00	0.00	0.00	13.90	12.37	8.18	**98.00**
11B49	**10**	**2.18**	**2.18**	2.18	0.00	0.00	**0.00**	0.00	0.00	0.00	5.40	3.87	4.95	**98.00**
11B50	**10**	**1.34**	**1.34**	1.34	0.00	0.00	**0.00**	0.00	0.00	0.00	7.40	5.87	8.18	**98.00**
11B52	**10**	**1.85**	**1.85**	1.85	0.00	0.00	**0.00**	0.00	0.00	0.00	5.40	3.87	4.95	**98.00**
11B54	**10**	**1.55**	**1.55**	1.55	0.00	0.00	**0.00**	0.00	0.00	0.00	5.40	3.87	4.95	**98.00**
11B57	**10**	**1.12**	**1.12**	1.12	0.00	0.00	**0.00**	0.00	0.00	0.00	5.40	3.87	4.95	**98.00**
11B80	**10**	**0.17**	**0.17**	0.17	0.00	0.00	**0.00**	0.00	0.00	0.00	6.40	4.87	8.18	**98.00**
11B86	**10**	**0.30**	**0.30**	0.30	0.00	0.00	**0.00**	0.00	0.00	0.00	6.20	4.67	8.18	**98.00**
11B97	**10**	**0.19**	**0.19**	0.19	0.00	0.00	**0.00**	0.00	0.00	0.00	21.90	20.37	8.18	**98.00**
11B98	**10**	**0.71**	**0.71**	0.71	0.00	0.00	**0.00**	0.00	0.00	0.00	6.30	4.77	8.18	**98.00**
11B104	**10**	**0.19**	**0.19**	0.19	0.00	0.00	**0.00**	0.00	0.00	0.00	6.20	4.67	8.18	**98.00**
11B121	**10**	**0.76**	**0.76**	0.76	0.00	0.00	**0.00**	0.00	0.00	0.00	6.00	4.47	8.18	**98.00**
11B122	**10**	**0.25**	**0.25**	0.25	0.00	0.00	**0.00**	0.00	0.00	0.00	6.00	4.47	8.18	**98.00**
11B123	**10**	**0.59**	**0.59**	0.59	0.00	0.00	**0.00**	0.00	0.00	0.00	6.00	4.47	8.18	**98.00**
POND 11W1	**10**	**0.85**	**0.85**	0.04	0.00	0.81	**0.00**	0.00	0.00	0.00	2.90	1.37	0.45	**95.89**
POND 11W2	**10**	**2.43**	**2.43**	0.00	1.34	1.09	**0.00**	0.00	0.00	0.00	5.00	3.47	4.95	**81.83**
SWALE 11W1	**10**	**0.27**	**0.27**	0.18	0.00	0.09	**0.00**	0.00	0.00	0.00	2.40	0.87	0.00	**98.00**
SWALE 11W2	**10**	**0.47**	**0.47**	0.35	0.00	0.12	**0.00**	0.00	0.00	0.00	2.40	0.87	0.00	**98.00**
SWALE 11W3	**10**	**0.30**	**0.19**	0.00	0.00	0.19	**0.11**	0.00	0.00	0.11	3.60	2.07	1.88	**84.18**
SYSTEM TOTALS		**20.82**	**20.71**	**17.07**	**1.34**	**2.30**	**0.11**	**0.00**	**0.00**	**0.11**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 11 **SHGWT EL. (ft-NAVD): 1.53**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
11B36	**10**	**3.86**	**3.86**	3.86	0.00	0.00	**0.00**	0.00	0.00	0.00	21.90	20.37	8.18	**98.00**
11B40	**10**	**2.22**	**2.22**	2.22	0.00	0.00	**0.00**	0.00	0.00	0.00	13.90	12.37	8.18	**98.00**
11B44	**10**	**1.15**	**1.15**	1.15	0.00	0.00	**0.00**	0.00	0.00	0.00	10.00	8.47	8.18	**98.00**
11B49A	**10**	**1.20**	**1.20**	1.20	0.00	0.00	**0.00**	0.00	0.00	0.00	5.40	3.87	4.95	**98.00**
11B50	**10**	**2.65**	**2.65**	2.65	0.00	0.00	**0.00**	0.00	0.00	0.00	7.40	5.87	8.18	**98.00**
11B52A	**10**	**1.00**	**1.00**	1.00	0.00	0.00	**0.00**	0.00	0.00	0.00	5.00	3.47	4.95	**98.00**
11B54A	**10**	**1.01**	**1.01**	1.01	0.00	0.00	**0.00**	0.00	0.00	0.00	5.00	3.47	4.95	**98.00**
11B80	**10**	**0.31**	**0.31**	0.29	0.00	0.02	**0.00**	0.00	0.00	0.00	6.40	4.87	8.18	**94.99**
11B86	**10**	**0.44**	**0.44**	0.44	0.00	0.00	**0.00**	0.00	0.00	0.00	6.20	4.67	8.18	**98.00**
11B97	**10**	**0.22**	**0.22**	0.22	0.00	0.00	**0.00**	0.00	0.00	0.00	21.90	20.37	8.18	**98.00**
11B98	**10**	**0.85**	**0.85**	0.85	0.00	0.00	**0.00**	0.00	0.00	0.00	6.30	4.77	8.18	**98.00**
11B101	**10**	**0.38**	**0.38**	0.38	0.00	0.00	**0.00**	0.00	0.00	0.00	7.00	5.47	8.18	**98.00**
11B104	**10**	**0.16**	**0.16**	0.16	0.00	0.00	**0.00**	0.00	0.00	0.00	6.20	4.67	8.18	**98.00**
11B105	**10**	**0.23**	**0.23**	0.22	0.00	0.01	**0.00**	0.00	0.00	0.00	8.00	6.47	8.18	**96.57**
11B110	**10**	**0.53**	**0.53**	0.53	0.00	0.00	**0.00**	0.00	0.00	0.00	6.00	4.47	8.18	**98.00**
11B111	**10**	**0.24**	**0.24**	0.24	0.00	0.00	**0.00**	0.00	0.00	0.00	6.00	4.47	8.18	**98.00**
11B112	**10**	**0.23**	**0.23**	0.23	0.00	0.00	**0.00**	0.00	0.00	0.00	6.00	4.47	8.18	**98.00**
11B113	**10**	**0.13**	**0.13**	0.13	0.00	0.00	**0.00**	0.00	0.00	0.00	6.00	4.47	8.18	**98.00**
11B115	**10**	**1.02**	**1.02**	1.02	0.00	0.00	**0.00**	0.00	0.00	0.00	8.00	6.47	8.18	**98.00**
11B116	**10**	**1.25**	**1.25**	1.25	0.00	0.00	**0.00**	0.00	0.00	0.00	7.50	5.97	8.18	**98.00**
POND 11W1	**10**	**0.85**	**0.85**	0.04	0.00	0.81	**0.00**	0.00	0.00	0.00	2.90	1.37	0.45	**95.89**
POND 11W2	**10**	**2.30**	**2.30**	0.00	1.34	0.96	**0.00**	0.00	0.00	0.00	5.00	3.47	4.95	**82.88**
SWALE 11W2	**10**	**0.47**	**0.47**	0.35	0.00	0.12	**0.00**	0.00	0.00	0.00	2.40	0.87	0.00	**98.00**
PRCS11S100 TOTALS		**22.70**	**22.70**	19.44	1.34	1.92	**0.00**	0.00	0.00	0.00	-	-	-	**-**
SYSTEM TOTALS		**22.70**	**22.70**	**19.44**	**1.34**	**1.92**	**0.00**	**0.00**	**0.00**	**0.00**	**--**	**--**	**--**	**--**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY SUMMARY

Drainage System: ***10, 11, 12, 13***

SYSTEM - CONTROL STRUCTURE	SHGWT EL. (ft-NAVD)	TOTAL ONSITE AREA (Ac.) *[POST-DEV.]*	ONSITE IMPERVIOUS AREA (Ac.) *[POST-DEV.]*	ONSITE PERVIOUS AREA (Ac.) *[POST-DEV.]*	SFWMD 1" OVER TOTAL ONSITE AREA (Ac-ft)	SFWMD 2.5" OVER IMPERVIOUS AREA (Ac-ft)	[1] SFWMD WATER QUALITY TREATMENT REQUIRED FOR RETENTION	[2]DRER WATER QUALITY TREATMENT REQUIRED (Ac-ft)	[3]DRY- / WET-RETENTION TREATMENT VOLUME PROVIDED (Ac-ft)	FRENCH DRAIN TREATMENT VOLUME PROVIDED (Ac-ft)	TOTAL TREATMENT VOLUME PROVIDED (Ac-ft)	SFWMD SURPLUS TREATMENT VOLUME PROVIDED (Ac-ft)
10 - EXCS10S69	1.53	1.39	0.40	0.99	0.12	0.08	**0.12**	0.14	0.88	0.00	**0.88**	**0.76**
10 - PRCS10S116	1.53	4.36	3.84	0.52	0.36	0.80	**0.80**	0.59	0.77	0.27	**1.04**	**0.24**
10 - [3]PRCS10S72	1.53	19.67	16.55	3.12	1.64	3.45	**3.45**	2.62	2.49	1.25	**3.74**	**0.29**
11 - PRCS11S100	1.53	22.70	19.44	1.92	1.89	4.05	**4.05**	3.12	6.46	0.90	**7.36**	**3.31**
12 - PRCS12S100	1.53	13.41	6.14	5.04	1.12	1.28	**1.28**	1.63	9.47	0.00	**9.47**	**7.83**
13 - PRCS13S104	1.53	23.65	16.96	4.25	1.97	3.53	**3.53**	3.13	10.52	0.17	**10.69**	**7.15**
TOTALS	1.53	85.18	63.33	15.84	7.10	13.19	**13.19**	11.24	30.58	2.59	**33.17**	**19.98**

[1] 2.5" over Additional Impervious Area.

[2] See next page for water quality calculations by Miami-Dade Department of Regulatory and Economic Resources (DRER).

[3] Multiplied by 2 to account for 50% retention volume credit.

EXCS10S69

Pond 10E1			Pond 10E2			Swale 10E1		
TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.53	0.13	--	2.53	0.10	--	2.53	0.11	--
2.93	0.14	0.05	2.93	0.11	0.04	***3.68***	***0.14***	***0.14***
3.43	0.15	0.13	3.43	0.12	0.10	5.93	0.20	0.53
3.68	***0.16***	***0.16***	***3.68***	***0.13***	***0.13***			
3.93	0.16	0.20	3.93	0.14	0.16			
4.43	0.17	0.29	4.43	0.15	0.24			
4.93	0.18	0.37	4.93	0.16	0.31			

PRCS10S116

Pond 10E4		
TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.53	0.17	--
4.50	***0.22***	***0.38***
5.93	0.29	0.75

PRCS10S72

Pond 10E3			Swale 10W5			Swale 10W6			Pond 10W7		
TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.53	0.47	--	2.53	0.01	--	2.53	0.07	--	2.53	0.63	--
3.50	***0.51***	***0.48***	***3.50***	***0.01***	***0.01***	***3.50***	***0.11***	***0.09***	***3.50***	***0.75***	***0.67***
5.43	0.53	1.48	5.50	0.02	0.04	5.50	0.20	0.40	5.50	1.01	2.44

PRCS11S100

Pond 11W1			Pond 11W2			Swale 11W2		
TYPE:	Dry Retention		TYPE:	Wet Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.53	0.43	--	1.53	1.34	--	2.53	0.00	--
3.50	***0.43***	***0.42***	3.43	1.50	2.70	2.93	0.00	0.00
9.43	0.46	3.07	***3.50***	***1.51***	***2.80***	3.43	0.01	0.00
			7.43	1.80	9.30	***3.50***	***0.01***	***0.01***
						4.43	0.03	0.03
						5.43	0.06	0.07
						6.43	0.09	0.15

PRCS12S100

Pond 12W1			Pond 12W4		
TYPE:	Wet Retention		TYPE:	Wet Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
1.53	0.80	--	1.53	1.43	--
3.50	***0.97***	***1.74***	***3.50***	***1.61***	***2.99***
6.50	1.22	5.02	6.50	1.88	8.23

PRCS13S104

Pond 13E1			Pond 13E3		
TYPE:	Wet Retention		TYPE:	Wet Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
1.53	0.81	--	1.53	1.63	--
3.50	***1.00***	***1.78***	***3.50***	***1.90***	***3.48***
6.50	1.28	5.19	6.50	2.32	9.82

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY CALCULATIONS BY DRER

Drainage System: 11

AREA (PRCS11S100):

Onsite Impervious	**19.44**	Ac.	86%
Onsite Pervious	**1.92**	Ac.	8%
Onsite Water Surface	**1.34**	Ac.	6%
Total Area	**22.70**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*
	Cws. =	*90*	*0.90*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.85 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV} + Aws \times Cws) / A_T = \mathbf{0.85}$$

$t_{1"}$ = 10.69 min.

TOTAL TIME OF CONCENTRATION (T_T)

$T_T = t_{1"} + Tc =$ 20.69 min.

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.68 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ Q_{1"}\ T_T =$ **135871.90** **ft³** = **3.12** **ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

Variable Groundwater Calculations

Drainage System:	***11***

Stage = DHW + [PRG x (RF - DHW)]
See ADICPR Technical Design Guide 2-25

Elevation Conversion:	-1.57	ft.	(NGVD-NAVD)

DHW =	3.10	ft. - NGVD	Design High Water / October Average Groundwater Elevation
	1.53	ft. - NAVD	(MD PWD - W.C. 2.2)
RF =	4.55	ft. - NGVD	Return Frequency Groundwater Elevation / Average Yearly Highest Groundwater Level (AYH) (MD
	2.98	ft. - NAVD	PWD - W.C. 2.1)
PRG=	Variable		(Percentage Rise in Groundwater)

8-hr Design Storm Duration		
Time	PRG	Stage
(hrs)	%	(ft)
0	0.00	1.53
1	0.02	1.56
2	0.13	1.72
3	0.28	1.94
4	0.70	2.55
5	0.86	2.78
6	0.92	2.86
7	0.97	2.94
8	1.00	2.98
12	0.00	1.53

24-hr Design Storm Duration		
Time	PRG	Stage
(hrs)	%	(ft)
0	0.00	1.53
1	0.01	1.54
2	0.03	1.57
3	0.06	1.62
4	0.09	1.66
5	0.12	1.70
6	0.16	1.76
7	0.20	1.82
8	0.24	1.88
9	0.30	1.97
10	0.36	2.05
11	0.44	2.17
12	0.54	2.31
13	0.61	2.41
14	0.67	2.50
15	0.73	2.59
16	0.78	2.66
17	0.82	2.72
18	0.86	2.78
19	0.90	2.84
20	0.93	2.88
21	0.96	2.92
22	0.98	2.95
23	0.99	2.97
24	1.00	2.98
36	0.00	1.53

72-hr Design Storm Duration		
Time	PRG	Stage
(hrs)	%	(ft)
0	0.00	1.53
24	0.11	1.69
36	0.19	1.80
48	0.26	1.91
49	0.27	1.92
50	0.28	1.93
51	0.29	1.95
52	0.30	1.96
53	0.31	1.98
54	0.33	2.00
55	0.34	2.03
56	0.37	2.06
57	0.39	2.10
57.5	0.40	2.12
58	0.42	2.14
58.5	0.44	2.17
59	0.46	2.20
59.5	0.50	2.25
60	0.75	2.61
60.5	0.80	2.69
61	0.83	2.73
61.5	0.85	2.76
62	0.87	2.79
62.5	0.88	2.80
63	0.89	2.82
64	0.91	2.85
65	0.92	2.87
66	0.94	2.89
68	0.96	2.93
70	0.98	2.95
72	1.00	2.98
108	0.00	1.53

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

AVERAGE HYDRAULIC CONDUCTIVITY AND TEST HOLE DEPTH CALCULATIONS

SR-826/PALMETTO EXPRESSWAY - SYSTEM 11							
Test Depth	[1]Percolation Test Number (EX-#) and Ground Elevation					Average	Average FD K value
	EX-5	EX-6	EX-7	EX-8	-		
	5.8	6	5.8	5.8	-	5.85	
	(cfs/ft^2-ft Head)	(cfs/ft^2-ft Head)	(cfs/ft^2-ft Head)	(cfs/ft^2-ft Head)	(cfs/ft^2-ft Head)	(cfs/ft^2-ft Head)	(cfs/ft^2-ft Head)
10 ft	7.27E-04	3.24E-05	8.30E-03	1.68E-04	-	4.48E-04	4.48E-04
15 ft	-	-	-	-	-	-	
20 ft	-	-	-	-	-	-	

[1]Exfiltration test information derived from FPID 24964815201, Supplement No. 1 to Drainage Report, Section 8.2, Soil Test Information.

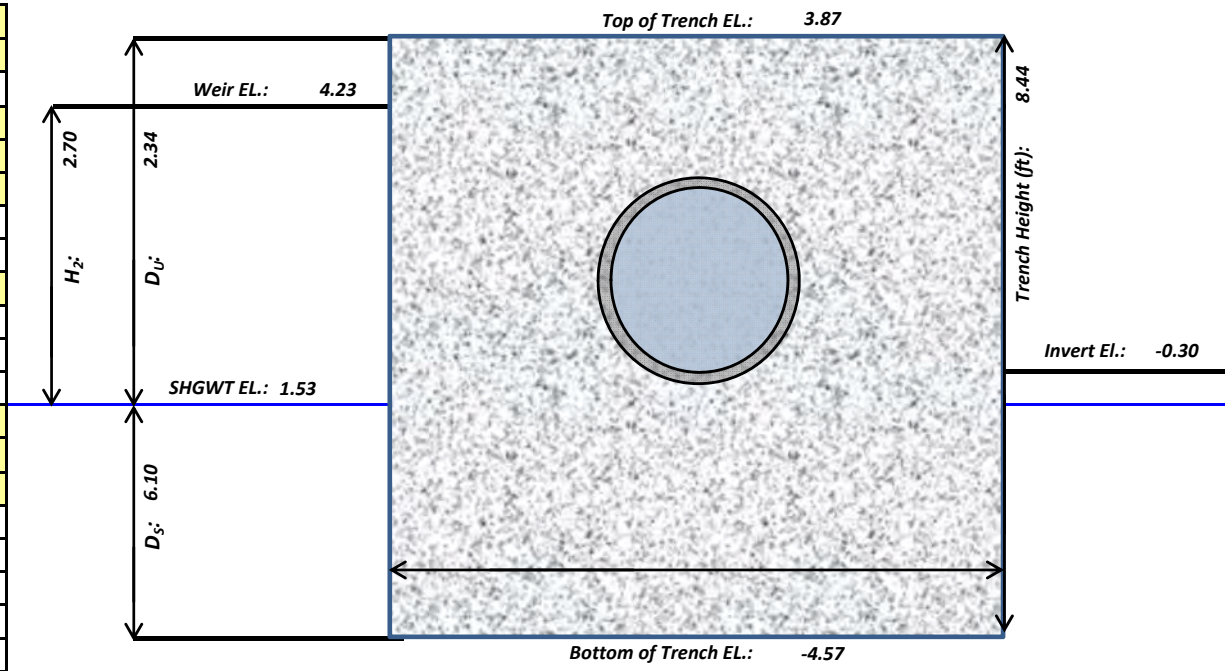
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 11

French Drain (ICPR Link Name):	EX11S49_11GW1 / EX11S52_11GW1
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.53
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	178.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	89.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	-0.30
Top of Trench EL. (ft-NAVD):	3.87
Bottom of Trench EL. (ft-NAVD):	-4.57
Trench Height, H_T (ft):	8.44
Weir EL. (ft-NAVD):	4.23
Trench Width, W (ft):	6.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	4.48E-04
Depth to Water Table, H_2 (ft):	2.70
Non-Saturated Trench Depth, D_U (ft):	2.34
Saturated Trench Depth, D_S (ft):	6.10
H_2W:	16.20
$2H_2D_U$:	12.62
D_U^2:	5.46
$2H_2D_S$:	32.94
$(1.39x10^{-4})WD_U$:	0.001949
d_2:	0.42
d_3:	0.00
K_{10}:	4.48E-04
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	1.77
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
***Treatment Volume Provided, V (Ac-ft):	0.15

**Note: FD not considered for water quality purposes*



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 11

French Drain (ICPR Link Name): **EX11S49_11GW1 / EX11S52_11GW1**
Existing/Proposed: **Existing**
Pipe Size (in): **36**
1 /2 Length of French Drain, *L* (LF) * : **44.50**
Trench Height, H_T (ft): **8.44**
Trench Width, *W* (ft): **6.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head): **4.475E-04**
Pipe Invert EL. (ft-NAVD): **-0.30**
Top of Trench EL. (ft-NAVD): **3.87**
Bottom of Trench EL. (ft-NAVD): **-4.57**
Weir EL. (ft-NAVD): **4.23**
Upstream Structure Rim/Grate EL. (ft-NAVD): **4.86**

SHGWT EL. (ft-NAVD): **1.53**
Max GW EL. (ft-NAVD): ***5.04***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.
AYH EL. (ft-NAVD):** **Average Yearly Highest Ground Water Level** **2.98**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.53	**1.53**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.53	**3.87**	2.34	5.68	2.34	0.01432	**0.6373**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.53	**5.04**	2.34	5.68	3.51	0.02274	**1.0120**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**3.87**	0.89	6.68	0.89	0.00565	**0.2516**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**5.04**	0.89	6.68	2.06	0.01360	**0.6051**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.53	**1.53**	**0.0000**
1.53	**3.87**	**0.6373**
1.53	**5.04**	**1.0120**
2.98	**2.98**	**0.0000**
2.98	**3.87**	**0.2516**
2.98	**5.04**	**0.6051**

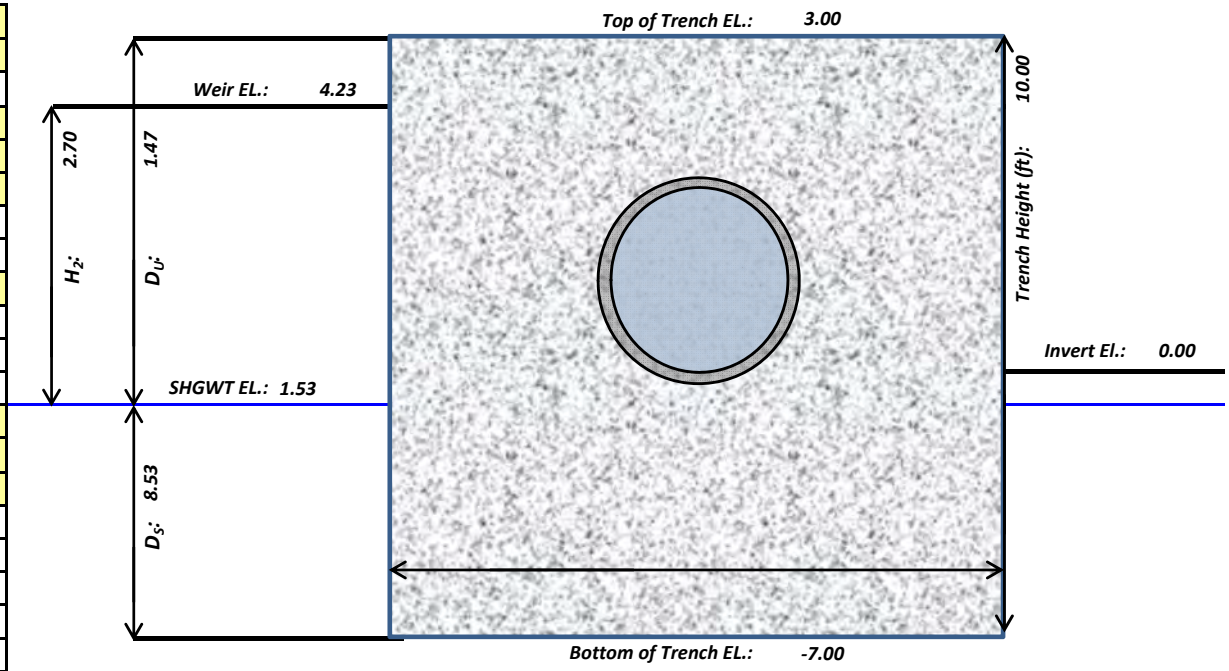
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 11

French Drain (ICPR Link Name):	EX11S122_11GW1 / EX11S123_11GW1
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.53
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	215.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	107.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	0.00
Top of Trench EL. (ft-NAVD):	3.00
Bottom of Trench EL. (ft-NAVD):	-7.00
Trench Height, H_T (ft):	10.00
Weir EL. (ft-NAVD):	4.23
Trench Width, W (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	4.48E-04
Depth to Water Table, H_2 (ft):	2.70
Non-Saturated Trench Depth, D_U (ft):	1.47
Saturated Trench Depth, D_S (ft):	8.53
H_2W:	12.15
$2H_2D_U$:	7.94
D_U^2:	2.16
$2H_2D_S$:	46.06
$(1.39x10^{-4})WD_U$:	0.000919
d_2:	2.85
d_3:	0.00
K_{10}:	4.48E-04
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	2.59
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
***Treatment Volume Provided, V (Ac-ft):**	**0.22**

**Note: FD not considered for water quality purposes*



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 11

French Drain (ICPR Link Name): **EX11S122_11GW1 / EX11S123_11GW1**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
1 /2 Length of French Drain, *L* (LF) * : **53.75**
Trench Height, H_T (ft): **10.00**
Trench Width, *W* (ft): **4.50**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} ($cfs/ft^2/ft$-head): **4.475E-04**
Pipe Invert EL. (ft-NAVD): **0.00**
Top of Trench EL. (ft-NAVD): **3.00**
Bottom of Trench EL. (ft-NAVD): **-7.00**
Weir EL. (ft-NAVD): **4.23**
Upstream Structure Rim/Grate EL. (ft-NAVD): **5.74**

SHGWT EL. (ft-NAVD): **1.53**
Max GW EL. (ft-NAVD): ***5.74***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.
AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.53	**1.53**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.53	**3.00**	1.47	5.68	1.47	0.00844	**0.4536**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.53	**5.74**	1.47	5.68	4.21	0.02597	**1.3961**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**3.00**	0.02	6.68	0.02	0.00012	**0.0064**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**5.74**	0.02	6.68	2.76	0.01655	**0.8896**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.53	**1.53**	**0.0000**
1.53	**3.00**	**0.4536**
1.53	**5.74**	**1.3961**
2.98	**2.98**	**0.0000**
2.98	**3.00**	**0.0064**
2.98	**5.74**	**0.8896**

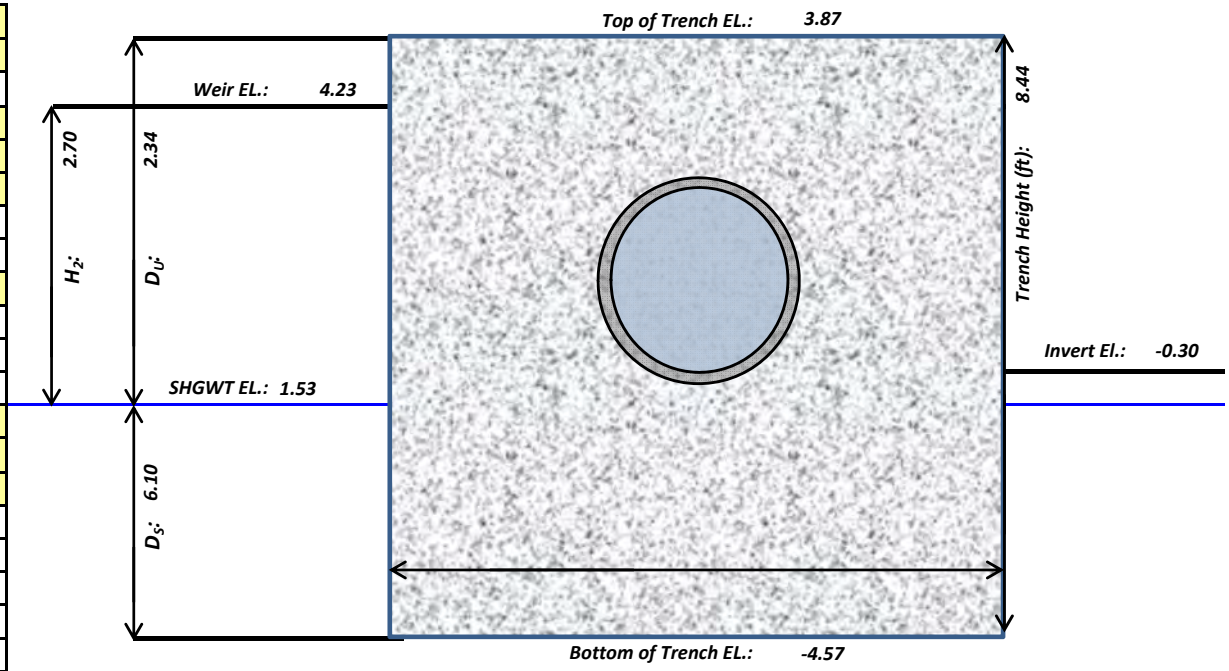
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 11

French Drain (ICPR Link Name):	EX11S52_11GW2 / EX11S54_11GW2
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.53
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	328.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	164.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	-0.30
Top of Trench EL. (ft-NAVD):	3.87
Bottom of Trench EL. (ft-NAVD):	-4.57
Trench Height, H_T (ft):	8.44
Weir EL. (ft-NAVD):	4.23
Trench Width, W (ft):	6.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	4.48E-04
Depth to Water Table, H_2 (ft):	2.70
Non-Saturated Trench Depth, D_U (ft):	2.34
Saturated Trench Depth, D_S (ft):	6.10
H_2W:	16.20
$2H_2D_U$:	12.62
D_U^2:	5.46
$2H_2D_S$:	32.94
$(1.39x10^{-4})WD_U$:	0.001949
d_2:	0.42
d_3:	0.00
K_{10}:	4.48E-04
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	3.26
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
***Treatment Volume Provided, V (Ac-ft):	0.27

**Note: FD not considered for water quality purposes*



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 11

French Drain (ICPR Link Name): **EX11S52_11GW2 / EX11S54_11GW2**
Existing/Proposed: **Existing**
Pipe Size (in): **36**
1 /2 Length of French Drain, *L* (LF) * : **82.00**
Trench Height, H_T (ft): **8.44**
Trench Width, *W* (ft): **6.00**
** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} ($cfs/ft^2/ft$-head): **4.475E-04**
Pipe Invert EL. (ft-NAVD): **-0.30**
Top of Trench EL. (ft-NAVD): **3.87**
Bottom of Trench EL. (ft-NAVD): **-4.57**
Weir EL. (ft-NAVD): **4.23**
Upstream Structure Rim/Grate EL. (ft-NAVD): **4.86**

SHGWT EL. (ft-NAVD): **1.53**
Max GW EL. (ft-NAVD): ***5.04***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.
AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.98**
*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.53	**1.53**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.53	**3.87**	2.34	5.68	2.34	0.01432	**1.1744**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.53	**5.04**	2.34	5.68	3.51	0.02274	**1.8647**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**3.87**	0.89	6.68	0.89	0.00565	**0.4635**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**5.04**	0.89	6.68	2.06	0.01360	**1.1151**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.53	**1.53**	**0.0000**
1.53	**3.87**	**1.1744**
1.53	**5.04**	**1.8647**
2.98	**2.98**	**0.0000**
2.98	**3.87**	**0.4635**
2.98	**5.04**	**1.1151**

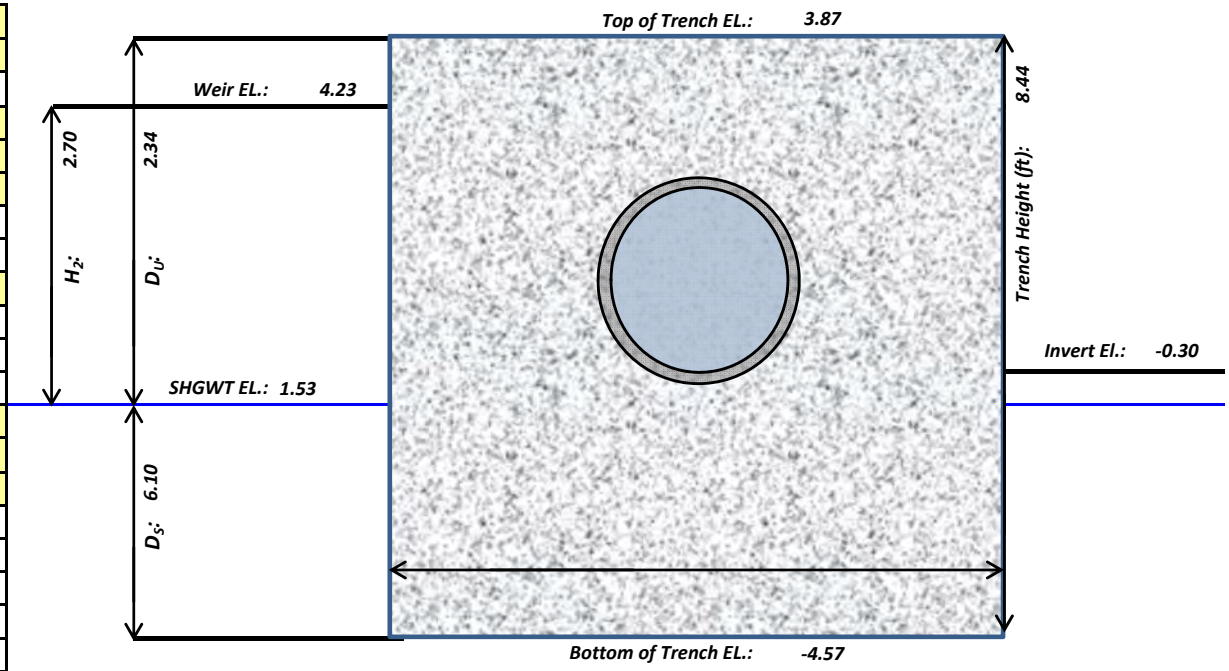
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 11

French Drain (ICPR Link Name):	EX11S54_11GW3 / EX11S57_11GW3
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.53
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	328.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	164.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	-0.30
Top of Trench EL. (ft-NAVD):	3.87
Bottom of Trench EL. (ft-NAVD):	-4.57
Trench Height, H_T (ft):	8.44
Weir EL. (ft-NAVD):	4.23
Trench Width, W (ft):	6.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	4.48E-04
Depth to Water Table, H_2 (ft):	2.70
Non-Saturated Trench Depth, D_U (ft):	2.34
Saturated Trench Depth, D_S (ft):	6.10
H_2W:	16.20
$2H_2D_U$:	12.62
D_U^2:	5.46
$2H_2D_S$:	32.94
$(1.39x10^{-4})WD_U$:	0.001949
d_2:	0.42
d_3:	0.00
K_{10}:	4.48E-04
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	3.26
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
***Treatment Volume Provided, V (Ac-ft):**	**0.27**

**Note: FD not considered for water quality purposes*



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 11

French Drain (ICPR Link Name): **EX11S54_11GW3 / EX11S57_11GW3**
Existing/Proposed: **Existing**
Pipe Size (in): **36**
1 /2 Length of French Drain, *L* (LF) * : **82.00**
Trench Height, H_T (ft): **8.44**
Trench Width, *W* (ft): **6.00**
** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} ($cfs/ft^2/ft$-head): **4.475E-04**
Pipe Invert EL. (ft-NAVD): **-0.30**
Top of Trench EL. (ft-NAVD): **3.87**
Bottom of Trench EL. (ft-NAVD): **-4.57**
Weir EL. (ft-NAVD): **4.23**
Upstream Structure Rim/Grate EL. (ft-NAVD): **4.86**

SHGWT EL. (ft-NAVD): **1.53**
Max GW EL. (ft-NAVD): ***5.04***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.
AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.98**
*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.53	**1.53**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.53	**3.87**	2.34	5.68	2.34	0.01432	**1.1744**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.53	**5.04**	2.34	5.68	3.51	0.02274	**1.8647**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**3.87**	0.89	6.68	0.89	0.00565	**0.4635**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**5.04**	0.89	6.68	2.06	0.01360	**1.1151**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

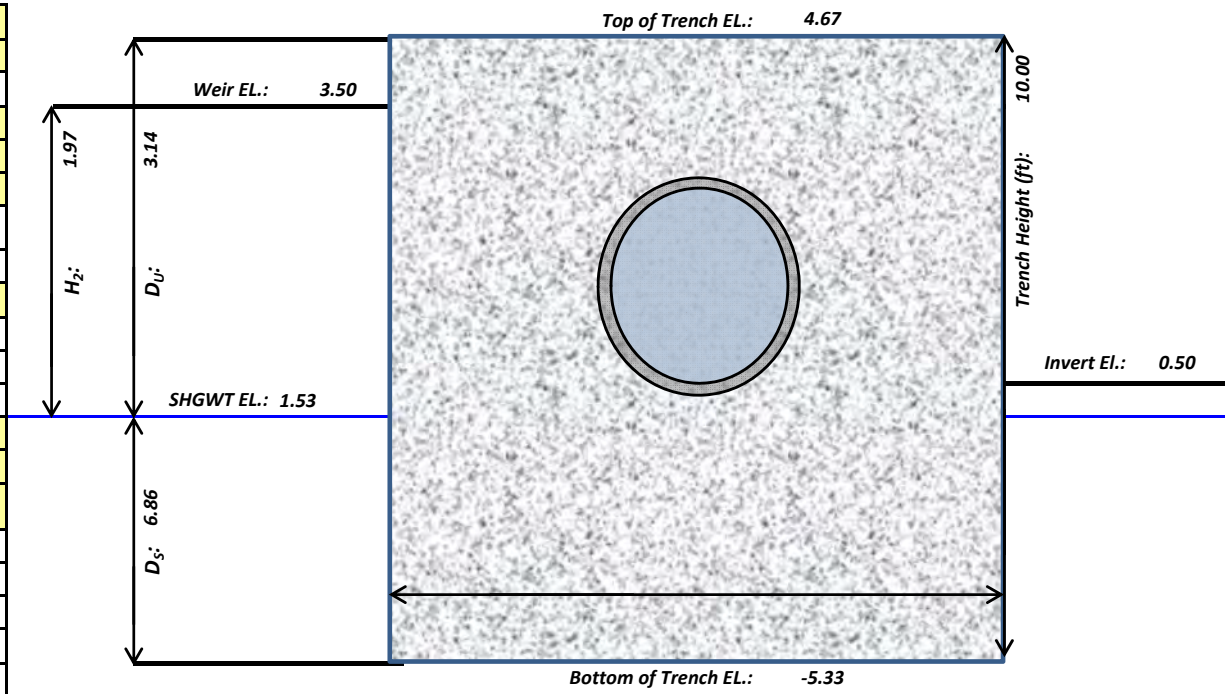
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.53	**1.53**	**0.0000**
1.53	**3.87**	**1.1744**
1.53	**5.04**	**1.8647**
2.98	**2.98**	**0.0000**
2.98	**3.87**	**0.4635**
2.98	**5.04**	**1.1151**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 11

French Drain (ICPR Link Name):	PR11S109_11GW4 / PR11S110_11GW4
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.53
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	344.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	172.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	0.50
Top of Trench EL. (ft-NAVD):	4.67
Bottom of Trench EL. (ft-NAVD):	-5.33
Trench Height, H_T (ft):	10.00
Weir EL. (ft-NAVD):	3.50
Trench Width, W (ft):	6.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	4.48E-04
Depth to Water Table, H_2 (ft):	1.97
Non-Saturated Trench Depth, D_U (ft):	3.14
Saturated Trench Depth, D_S (ft):	6.86
H_2W:	11.82
$2H_2D_U$:	12.36
D_U^2:	9.84
$2H_2D_S$:	27.04
$(1.39x10^{-4})WD_U$:	0.002616
d_2:	1.18
d_3:	0.00
K_{10}:	4.48E-04
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	2.73
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.23**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 11

French Drain (ICPR Link Name): **PR11S109_11GW4 / PR11S110_11GW4**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **86.00**

Trench Height, H_T (ft): **10.00**

Trench Width, *W* (ft): **6.00**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **4.475E-04**

Pipe Invert EL. (ft-NAVD): **0.50**

Top of Trench EL. (ft-NAVD): **4.67**

Bottom of Trench EL. (ft-NAVD): **-5.33**

Weir EL. (ft-NAVD): **3.50**

Upstream Structure Rim/Grate EL. (ft-NAVD): **6.25**

SHGWT EL. (ft-NAVD): **1.53**

Max GW EL. (ft-NAVD): ***5.00***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.53	**1.53**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.53	**4.67**	3.14	5.68	3.14	0.02035	**1.7500**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.53	**5.00**	3.14	5.68	3.47	0.02298	**1.9762**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.67**	1.69	6.68	1.69	0.01136	**0.9767**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**5.00**	1.69	6.68	2.02	0.01385	**1.1914**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

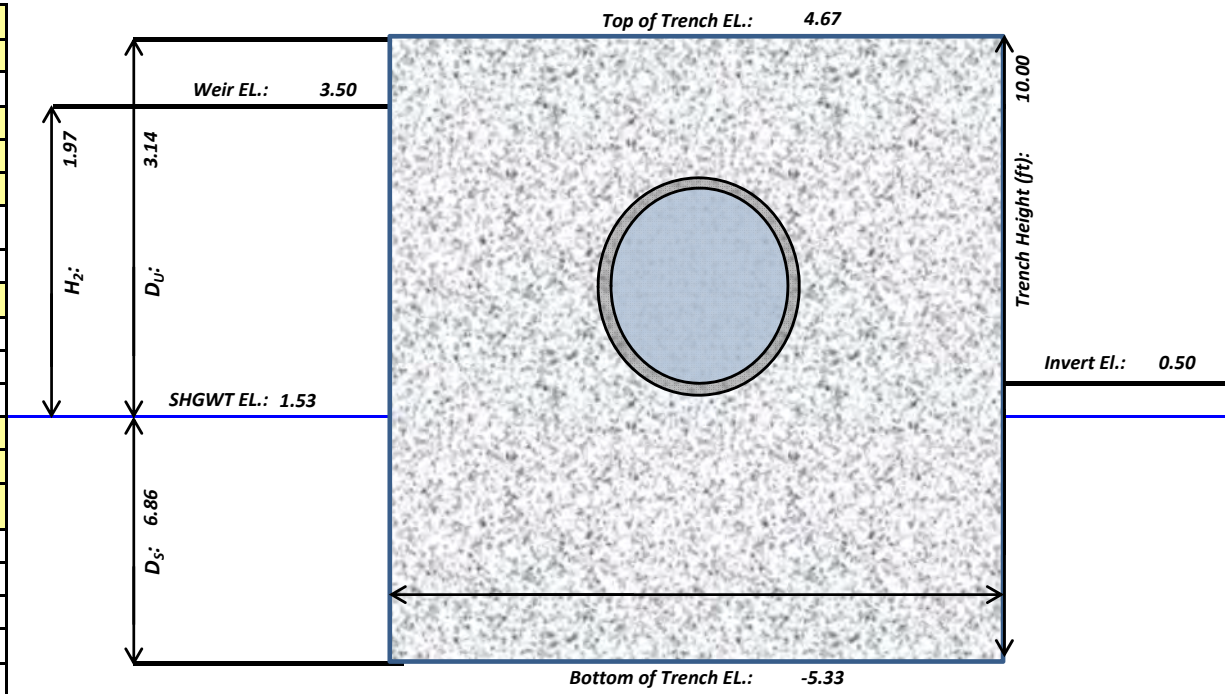
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.53	**1.53**	**0.0000**
1.53	**4.67**	**1.7500**
1.53	**5.00**	**1.9762**
2.98	**2.98**	**0.0000**
2.98	**4.67**	**0.9767**
2.98	**5.00**	**1.1914**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 11

French Drain (ICPR Link Name):	**PR11S110_11GW5 / PR11S111_11GW5**
Existing/Proposed:	**Proposed**
SHGWT EL. (ft-NAVD):	1.53
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	384.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	192.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	0.50
Top of Trench EL. (ft-NAVD):	4.67
Bottom of Trench EL. (ft-NAVD):	-5.33
Trench Height, H_T (ft):	10.00
Weir EL. (ft-NAVD):	3.50
Trench Width, W (ft):	6.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	4.48E-04
Depth to Water Table, H_2 (ft):	1.97
Non-Saturated Trench Depth, D_U (ft):	3.14
Saturated Trench Depth, D_S (ft):	6.86
H_2W:	11.82
$2H_2D_U$:	12.36
D_U^2:	9.84
$2H_2D_S$:	27.04
$(1.39x10^{-4})WD_U$:	0.002616
d_2:	1.18
d_3:	0.00
K_{10}:	4.48E-04
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	3.04
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.25**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 11

French Drain (ICPR Link Name): **PR11S110_11GW5 / PR11S111_11GW5**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **96.00**

Trench Height, H_T (ft): **10.00**

Trench Width, *W* (ft): **6.00**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head): **4.475E-04**

Pipe Invert EL. (ft-NAVD): **0.50**

Top of Trench EL. (ft-NAVD): **4.67**

Bottom of Trench EL. (ft-NAVD): **-5.33**

Weir EL. (ft-NAVD): **3.50**

Upstream Structure Rim/Grate EL. (ft-NAVD): **6.25**

SHGWT EL. (ft-NAVD): **1.53**

Max GW EL. (ft-NAVD): ***5.00***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.53	**1.53**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.53	**4.67**	3.14	5.68	3.14	0.02035	**1.9534**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.53	**5.00**	3.14	5.68	3.47	0.02298	**2.2060**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.67**	1.69	6.68	1.69	0.01136	**1.0903**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**5.00**	1.69	6.68	2.02	0.01385	**1.3299**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

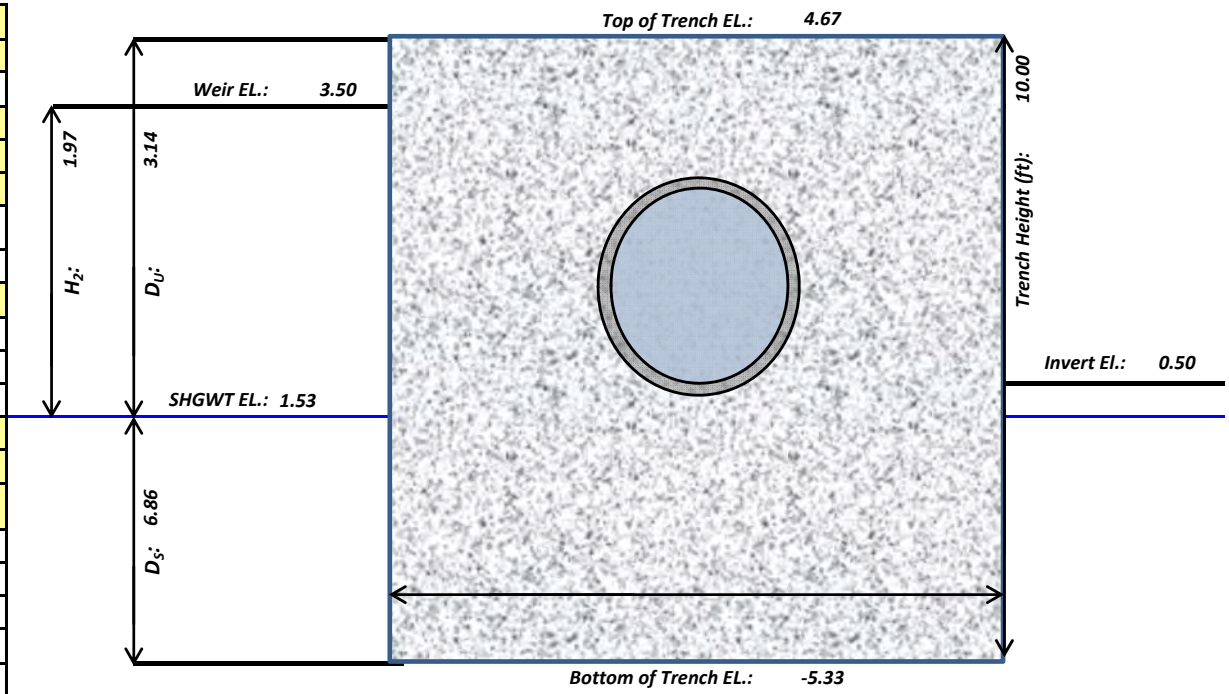
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.53	**1.53**	**0.0000**
1.53	**4.67**	**1.9534**
1.53	**5.00**	**2.2060**
2.98	**2.98**	**0.0000**
2.98	**4.67**	**1.0903**
2.98	**5.00**	**1.3299**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 11

French Drain (ICPR Link Name):	PR11S111_11GW6 / PR11S112_11GW6
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.53
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	320.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	160.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	0.50
Top of Trench EL. (ft-NAVD):	4.67
Bottom of Trench EL. (ft-NAVD):	-5.33
Trench Height, H_T (ft):	10.00
Weir EL. (ft-NAVD):	3.50
Trench Width, W (ft):	6.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	4.48E-04
Depth to Water Table, H_2 (ft):	1.97
Non-Saturated Trench Depth, D_U (ft):	3.14
Saturated Trench Depth, D_S (ft):	6.86
H_2W:	11.82
$2H_2D_U$:	12.36
D_U^2:	9.84
$2H_2D_S$:	27.04
$(1.39x10^{-4})WD_U$:	0.002616
d_2:	1.18
d_3:	0.00
K_{10}:	4.48E-04
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	2.54
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.21**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 11

French Drain (ICPR Link Name): **PR11S111_11GW6 / PR11S112_11GW6**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **80.00**

Trench Height, H_T (ft): **10.00**

Trench Width, *W* (ft): **6.00**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head): **4.475E-04**

Pipe Invert EL. (ft-NAVD): **0.50**

Top of Trench EL. (ft-NAVD): **4.67**

Bottom of Trench EL. (ft-NAVD): **-5.33**

Weir EL. (ft-NAVD): **3.50**

Upstream Structure Rim/Grate EL. (ft-NAVD): **6.25**

SHGWT EL. (ft-NAVD): **1.53**

Max GW EL. (ft-NAVD): ***5.00***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.53	**1.53**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.53	**4.67**	3.14	5.68	3.14	0.02035	**1.6279**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.53	**5.00**	3.14	5.68	3.47	0.02298	**1.8383**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.67**	1.69	6.68	1.69	0.01136	**0.9086**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**5.00**	1.69	6.68	2.02	0.01385	**1.1082**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

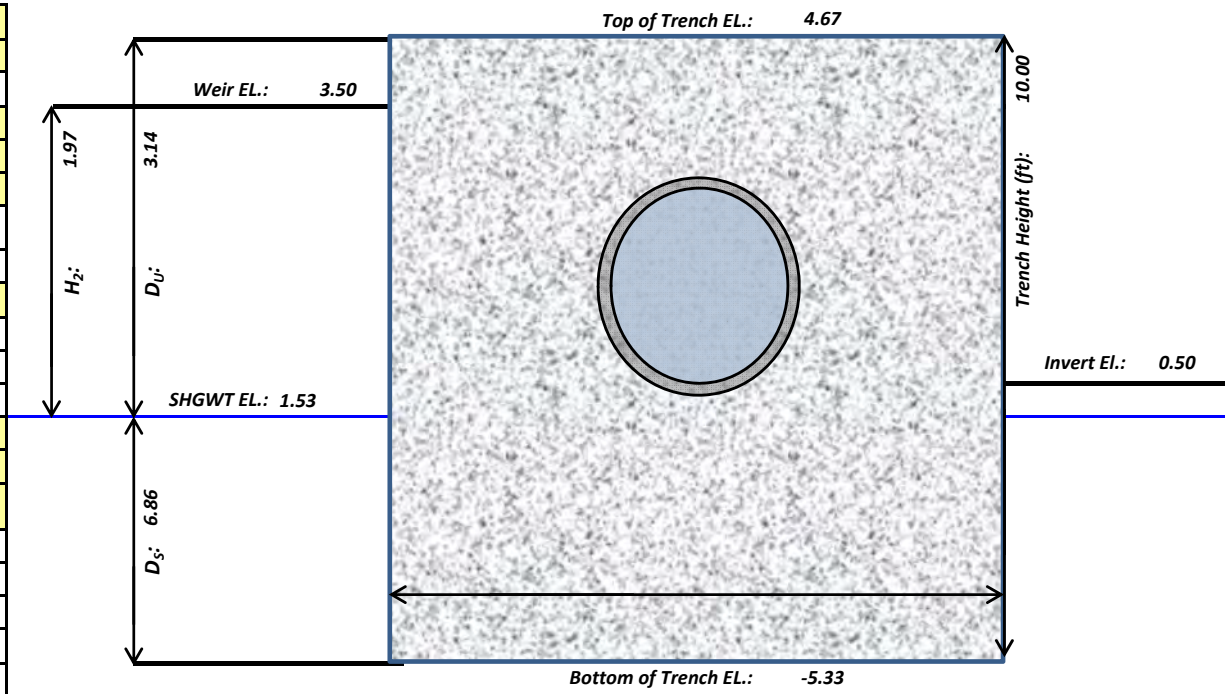
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.53	**1.53**	**0.0000**
1.53	**4.67**	**1.6279**
1.53	**5.00**	**1.8383**
2.98	**2.98**	**0.0000**
2.98	**4.67**	**0.9086**
2.98	**5.00**	**1.1082**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 11

French Drain (ICPR Link Name):	PR11S112_11GW7 / PR11S113_11GW7
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.53
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	320.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	160.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	0.50
Top of Trench EL. (ft-NAVD):	4.67
Bottom of Trench EL. (ft-NAVD):	-5.33
Trench Height, H_T (ft):	10.00
Weir EL. (ft-NAVD):	3.50
Trench Width, W (ft):	6.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	4.48E-04
Depth to Water Table, H_2 (ft):	1.97
Non-Saturated Trench Depth, D_U (ft):	3.14
Saturated Trench Depth, D_S (ft):	6.86
H_2W:	11.82
$2H_2D_U$:	12.36
D_U^2:	9.84
$2H_2D_S$:	27.04
$(1.39x10^{-4})WD_U$:	0.002616
d_2:	1.18
d_3:	0.00
K_{10}:	4.48E-04
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	2.54
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.21**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 11

French Drain (ICPR Link Name): **PR11S112_11GW7 / PR11S113_11GW7**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **80.00**

Trench Height, H_T (ft): **10.00**

Trench Width, *W* (ft): **6.00**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head): **4.475E-04**

Pipe Invert EL. (ft-NAVD): **0.50**

Top of Trench EL. (ft-NAVD): **4.67**

Bottom of Trench EL. (ft-NAVD): **-5.33**

Weir EL. (ft-NAVD): **3.50**

Upstream Structure Rim/Grate EL. (ft-NAVD): **6.25**

SHGWT EL. (ft-NAVD): **1.53**

Max GW EL. (ft-NAVD): ***5.00***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.53	**1.53**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.53	**4.67**	3.14	5.68	3.14	0.02035	**1.6279**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.53	**5.00**	3.14	5.68	3.47	0.02298	**1.8383**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.67**	1.69	6.68	1.69	0.01136	**0.9086**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**5.00**	1.69	6.68	2.02	0.01385	**1.1082**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.53	**1.53**	**0.0000**
1.53	**4.67**	**1.6279**
1.53	**5.00**	**1.8383**
2.98	**2.98**	**0.0000**
2.98	**4.67**	**0.9086**
2.98	**5.00**	**1.1082**

CORAL WAY

11B80
0.17 AC
CN 98

EX11S80

2.61

EX11S80_SWL11W1
18"-96.0'

2.43

SWALE 11W1

EXCS11S83_WEIR
VERTICAL TYPE
EL. 3.93, 6

EXCS11S83

1.43

EXCS11S83_CGCANALW
18"-32.0'

0.93

CG
CANAL
WEST

-8.77

EX11S43_CGCANALW
12'x13'-360.0'

0.43

-0.07

PND11B2_CGCANALW
24"-121.0'

1.53

EXCS11S95_CGCANALW
24"-72.0'

1.43

EXCS11S95

SWALE 11W1
0.27 AC
CN 98

2.43

EX11S86_SWL11W1
24"-45.0'

2.68

EX11S86

11B86
0.30 AC
CN 98

SYSTEM 11

SWALE 11W3

EXCS11S108_WEIR
HORIZONTAL TYPE
EL. 3.93, 4.08

EXCS11S108

EXCS11S108_PND11W2
24"-165.0'

0.43

1.43

POND 11W2
2.43AC
CN 81.83

SWALE 11W3
0.3 AC
CN 84.18

1.43

EXCS11S102_PND11W2
18"-32.0'

1.73

EXCS11S95_WEIR
VERTICAL TYPE
EL. 7.43, 6.0

11B98
0.71 AC
CN 98

EX11S98

EX11S98_SWL11W2
24"-55.0'

2.69

2.43

SWALE 11W2
0.47 AC
CN 98

SWALE 11W2

EXCS11S102_WEIR
VERTICAL TYPE
EL. 3.93, 6.0

EXCS11S102

2.43

EX11S104_SWL11W2
24"-62.0'

2.43

11B104
0.19 AC
CN 98

EX11S104

11B97
0.19 AC
CN 98

EX11S97

EX11S97_PND11W1
24"-80.0'

18.03

2.93

POND 11W1
0.85 AC
CN 95.89

POND 11W1

2.93

2.93

EX11S36_PND11W1
24"-40.0'

14.93

11B36
3.40 AC
CN 98

EX11S36

MATCHLINE A-A

SR 826

LEGEND

B-### #.## AC CN ##.# — CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER	NODE NAME — BOUNDARY NODE WITH CONSTANT TAILWATER	###-### ##"-###' #.## #.## — EXFILTRATION TRENCH LINK WITH SIZE-LENGTH INVERT ELEVATION	####_WEIR VERTICAL TYPE EL. #.##, ## — WEIR LINK WITH WEIR TYPE ELEVATION, WIDTH	###### CHANNEL ###' #.## #.## — CHANNEL LINK WITH LENGTH INVERT ELEVATION
#-### — NODE NAME	PATRICIA LAKE — BOUNDARY NODE WITH VARIABLE TAILWATER	###-### (#)##"-###' #.## #.## — PIPE LINK WITH (QUANTITY)SIZE-LENGTH INVERT ELEVATION	##_## — RATING CURVE LINK	

N.T.S.

1 OF 2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

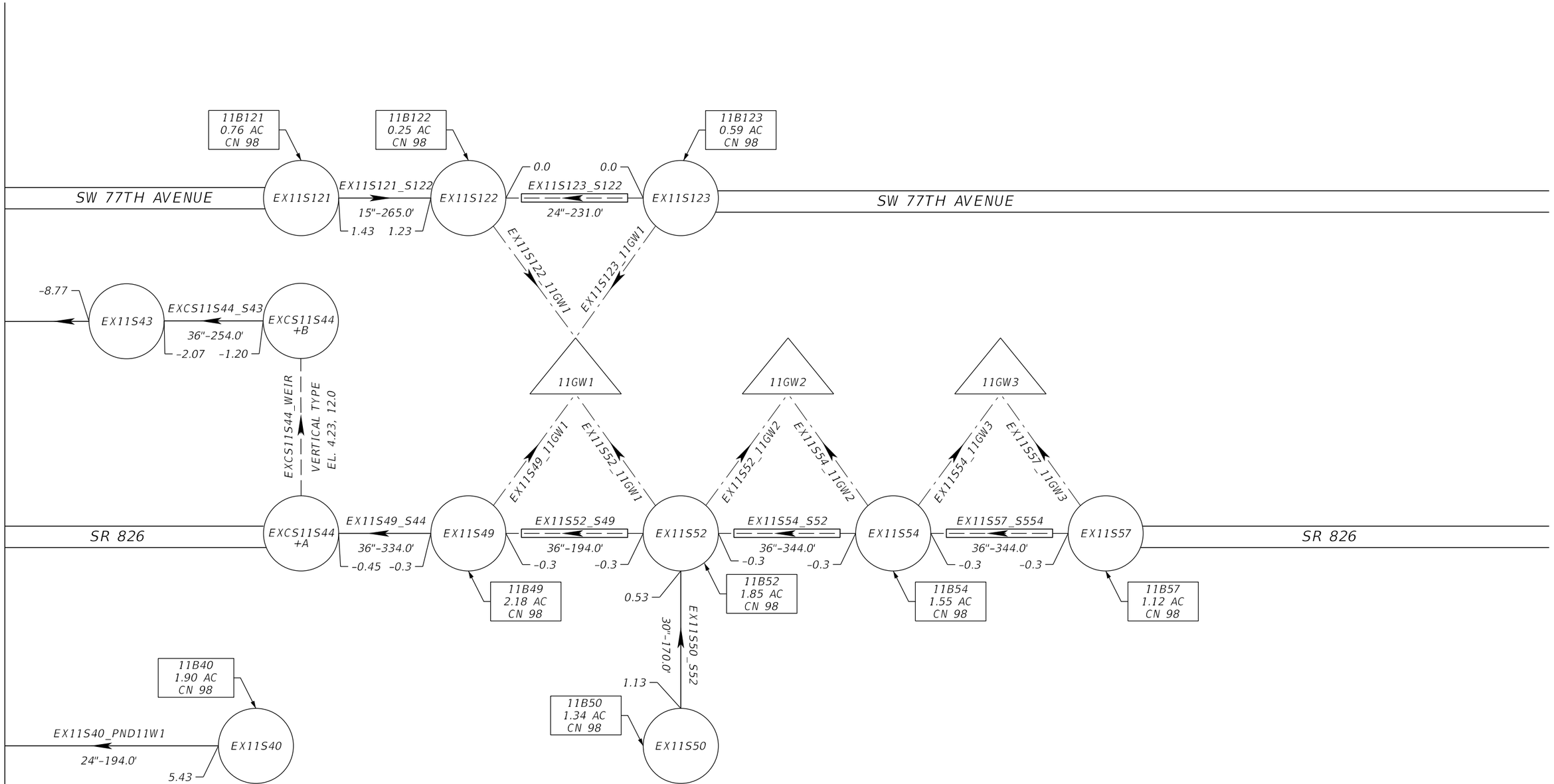
AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-1



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-2

Simple Basin: 11B104

Scenario:	Scenario1
Node:	EX11S104
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B121

Scenario:	Scenario1
Node:	EX11S121
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B122

Scenario:	Scenario1
Node:	EX11S122
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B123

Scenario:	Scenario1
Node:	EX11S123
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B36

Scenario:	Scenario1
Node:	EX11S36
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.4000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B40

Scenario:	Scenario1
Node:	EX11S40
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.9000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B49

Scenario:	Scenario1
Node:	EX11S49
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.1800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B50

Scenario:	Scenario1
Node:	EX11S50
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B52

Scenario:	Scenario1
Node:	EX11S52
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.8500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B54

Scenario:	Scenario1
Node:	EX11S54
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.5500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B57

Scenario:	Scenario1
Node:	EX11S57
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B80

Scenario:	Scenario1
Node:	EX11S80
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B86

Scenario:	Scenario1
Node:	EX11S86
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B97

Scenario:	Scenario1
Node:	EX11S97
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B98

Scenario:	Scenario1
Node:	EX11S98
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 11W1

Scenario:	Scenario1
Node:	POND 11W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8500 ac
Curve Number:	95.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 11W2

Scenario:	Scenario1
Node:	POND 11W2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.4300 ac
Curve Number:	81.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: SWALE 11W1

Scenario:	Scenario1
Node:	SWALE 11W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: SWALE 11W2

Scenario:	Scenario1
Node:	SWALE 11W2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: SWALE 11W3

Scenario:	Scenario1
Node:	SWALE 11W3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3000 ac
Curve Number:	84.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Node: 11GW1

Scenario:	Scenario1
Type:	Time/Stage
Base Flow:	0.00 cfs
Initial Stage:	1.53 ft
Warning Stage:	5.04 ft
Boundary Stage:	VARIABLE GW

Comment: FROM FPID NO. 249648-1-52-01

Node: 11GW2

Scenario:	Scenario1
Type:	Time/Stage
Base Flow:	0.00 cfs
Initial Stage:	1.53 ft
Warning Stage:	5.04 ft
Boundary Stage:	VARIABLE GW

Comment: FROM FPID NO. 249648-1-52-01

Node: 11GW3

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.04 ft
Boundary Stage: VARIABLE GW

Comment: FROM FPID NO. 249648-1-52-01

Node: CGCANALWEST

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.04 ft
Boundary Stage: VARIABLE CANAL

Comment:

Node: EX11S104

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 6.22 ft

Stage [ft]	Area [ac]	Area [ft2]
0.43	0.0003	14
6.22	0.0003	14
6.23	0.0032	140

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S121

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.74 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.07	0.0008	37
5.74	0.0008	37
5.75	0.0084	367

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S122

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.07	0.0008	37
6.00	0.0008	37
6.01	0.0084	367

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S123

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.25 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.07	0.0008	37
6.25	0.0008	37
6.26	0.0084	367

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S36

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 14.93 ft
Warning Stage: 21.70 ft

Stage [ft]	Area [ac]	Area [ft2]
12.93	0.0003	12
21.70	0.0003	12
21.71	0.0027	117

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S40

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.43 ft
Warning Stage: 15.15 ft

Stage [ft]	Area [ac]	Area [ft2]
3.43	0.0008	36
15.15	0.0008	36
15.16	0.0083	360

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S43

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 3.23 ft

Stage [ft]	Area [ac]	Area [ft2]
-10.77	0.1052	4584
3.23	0.1052	4584
3.24	1.0523	45837

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S49

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.27 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.30	0.0011	50
5.27	0.0011	50
5.28	0.0115	500

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S50

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 8.61 ft

Stage [ft]	Area [ac]	Area [ft2]
0.17	0.0008	37
8.61	0.0008	37
8.62	0.0084	367

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S52

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.37 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.30	0.0011	50
5.37	0.0011	50
5.38	0.0115	500

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S54

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.04 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.30	0.0011	50
5.04	0.0011	50
5.05	0.0115	500

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S57

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.15 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.30	0.0011	50
5.15	0.0011	50
5.16	0.0115	500

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S80

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.61 ft
Warning Stage: 6.39 ft

Stage [ft]	Area [ac]	Area [ft2]
0.61	0.0003	14
6.39	0.0003	14
6.40	0.0032	140

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S86

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.68 ft
Warning Stage: 6.27 ft

Stage [ft]	Area [ac]	Area [ft2]
0.68	0.0003	12
6.27	0.0003	12
6.28	0.0027	119

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S97

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 18.03 ft
Warning Stage: 20.61 ft

Stage [ft]	Area [ac]	Area [ft2]
16.03	0.0003	12
20.61	0.0003	12
20.62	0.0027	117

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S98

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.69 ft
Warning Stage: 6.31 ft

Stage [ft]	Area [ac]	Area [ft2]
0.69	0.0003	12
6.31	0.0003	12
6.32	0.0027	117

Comment: FROM FPID NO. 249648-1-52-01

Node: EXCS11S102

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.73 ft
Warning Stage: 7.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.57	0.0018	78
7.43	0.0018	78
7.44	0.0179	780

Comment: FROM FPID NO. 249648-1-52-01

Node: EXCS11S108

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 7.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.57	0.0003	13
3.93	0.0003	13
3.94	0.0029	126

Comment: WARNING STAGE SAME AS WARNING STAGE FOR POND 11W2. GRATE ELEVATION AT 3.93.

FROM FPID NO. 249648-1-52-01

Node: EXCS11S44+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 7.30 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.57	0.0036	158
7.30	0.0036	158
7.31	0.0363	1580

Comment: FROM FPID NO. 249648-1-52-01

Node: EXCS11S44+B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 7.30 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.57	0.0036	158
7.30	0.0036	158
7.31	0.0363	1580

Comment: FROM FPID NO. 249648-1-52-01

Node: EXCS11S83

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 7.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.57	0.0018	78
7.43	0.0018	78
7.44	0.0179	780

Comment: FROM FPID NO. 249648-1-52-01

Node: EXCS11S95

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 11.03 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.57	0.0018	78
11.03	0.0018	78
11.04	0.0179	780

Comment: FROM FPID NO. 249648-1-52-01

Node: POND 11W1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.93 ft
Warning Stage: 9.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.93	0.1200	5227
7.43	0.2000	8712
9.43	0.2300	10019

Comment: FROM FPID NO. 249648-1-52-01

Node: POND 11W2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 7.43 ft

Stage [ft]	Area [ac]	Area [ft2]
1.53	1.3400	58370
3.43	1.5000	65340
7.43	1.8000	78408

Comment: FROM FPID NO. 249648-1-52-01

Node: SWALE 11W1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 6.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.0100	436
3.43	0.0200	871
3.93	0.0200	871
4.43	0.0200	871
5.43	0.0300	1307
6.43	0.0300	1307

Comment: FROM FPID NO. 249648-1-52-01

Node: SWALE 11W2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 6.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.0000	0
2.93	0.0040	174
3.43	0.0110	479
3.93	0.0200	871
4.43	0.0310	1350
5.43	0.0580	2526
6.43	0.0920	4008

Comment: FROM FPID NO. 249648-1-52-01

Node: SWALE 11W3

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.53 ft
Warning Stage: 4.93 ft

Stage [ft]	Area [ac]	Area [ft2]
2.53	0.0000	0
2.93	0.0100	436
3.43	0.0300	1307
3.93	0.0500	2178
4.43	0.0700	3049
4.93	0.0900	3920

Comment: FROM FPID NO. 249648-1-52-01

Pipe Link: EX11S104_SWL11W2

Scenario: Scenario1
From Node: EX11S104
To Node: SWALE 11W2
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 62.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50

Upstream		Downstream	
Invert:	2.43 ft	Invert:	2.43 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX11S121_S122		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.43 ft	Invert:	1.23 ft
From Node:	EX11S121	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX11S122	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	265.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX11S122_11GW1

Scenario:	Scenario1
From Node:	EX11S122
To Node:	11GW1
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX11S122_11GW1	1.53	EX11S122	1.53	EX11S122

Comment:

Rating Curve Link: EX11S123_11GW1

Scenario:	Scenario1
From Node:	EX11S123
To Node:	11GW1
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX11S123_11GW1	1.53	EX11S123	1.53	EX11S123

Comment:

Pipe Link: EX11S123_S122		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.00 ft	Invert:	0.00 ft
From Node:	EX11S123	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX11S122	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	231.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX11S36_POND11W1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	14.93 ft	Invert:	2.93 ft
From Node:	EX11S36	Manning's N:	0.0200	Manning's N:	0.0200
To Node:	POND 11W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX11S40_POND11W1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.43 ft	Invert:	2.93 ft
From Node:	EX11S40	Manning's N:	0.0120	Manning's N:	0.0120

To Node:	POND 11W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	194.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX11S43_CGCANALW		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-8.77 ft	Invert:	-8.77 ft
From Node:	EX11S43	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CGCANALWEST	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	12.00 ft	Max Depth:	12.00 ft
Flow Direction:	Both	Max Width:	13.00 ft	Max Width:	13.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	360.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX11S49_11GW1

Scenario:	Scenario1
From Node:	EX11S49
To Node:	11GW1
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX11S49_11GW1	1.53	EX11S49	1.53	EX11S49

Comment:

Pipe Link: EX11S49_S44		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.30 ft	Invert:	-0.45 ft
From Node:	EX11S49	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EXCS11S44+A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	334.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX11S50_S52		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.13 ft	Invert:	0.53 ft
From Node:	EX11S50	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX11S52	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	170.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX11S52_11GW1

Scenario:	Scenario1
From Node:	EX11S52
To Node:	11GW1
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX11S52_11GW1	1.53	EX11S52	1.53	EX11S52

Comment:

Rating Curve Link: EX11S52_11GW2

Scenario: Scenario1
From Node: EX11S52
To Node: 11GW2
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX11S52_11GW2	1.53	EX11S52	1.53	EX11S52

Comment:

Pipe Link: EX11S52_S49

Scenario: Scenario1
From Node: EX11S52
To Node: EX11S49
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 194.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	-0.30 ft	Invert:	-0.30 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	3.00 ft	Max Depth:	3.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX11S54_11GW2

Scenario: Scenario1
From Node: EX11S54
To Node: 11GW2
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX11S54_11GW2	1.53	EX11S54	1.53	EX11S54

Comment:

Rating Curve Link: EX11S54_11GW3

Scenario: Scenario1
From Node: EX11S54

To Node: 11GW3
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX11S54_11GW3	1.53	EX11S54	1.53	EX11S54

Comment:

Pipe Link: EX11S54_S52		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.30 ft	Invert:	-0.30 ft
From Node:	EX11S54	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX11S52	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	344.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX11S57_11GW3

Scenario: Scenario1
From Node: EX11S57
To Node: 11GW3
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX11S57_11GW3	1.53	EX11S57	1.53	EX11S57

Comment:

Pipe Link: EX11S57_S54		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.30 ft	Invert:	-0.30 ft
From Node:	EX11S57	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX11S54	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	344.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX11S80_SWL11W1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.61 ft	Invert:	2.43 ft
From Node:	EX11S80	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 11W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	96.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX11S86_SWL11W1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.68 ft	Invert:	2.43 ft
From Node:	EX11S86	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 11W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX11S97_PND11W1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	18.03 ft	Invert:	2.93 ft
From Node:	EX11S97	Manning's N:	0.0200	Manning's N:	0.0200
To Node:	POND 11W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	80.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX11S98_SWL11W2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.69 ft	Invert:	2.43 ft
From Node:	EX11S98	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 11W2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	55.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EXCS11S102_PND11W2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.73 ft	Invert:	1.43 ft
From Node:	EXCS11S102	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 11W2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	32.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EXCS11S102_WEIR

Scenario:	Scenario1	**Bottom Clip**	
From Node:	SWALE 11W2	Default:	0.00 ft
To Node:	EXCS11S102	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.93 ft	**Discharge Coefficients**	
Control Elevation:	3.93 ft	Weir Default:	2.800
Max Depth:	2.17 ft	Weir Table:	
Max Width:	6.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EXCS11S108_PND11W2

		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.43 ft	Invert:	1.43 ft
From Node:	EXCS11S108	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 11W2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	165.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EXCS11S108_WEIR

Scenario:	Scenario1	**Bottom Clip**	
From Node:	SWALE 11W3	Default:	0.00 ft

To Node:	EXCS11S108
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	3.93 ft
Control Elevation:	3.93 ft
Max Depth:	3.08 ft
Max Width:	4.08 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: EXCS11S44_S43

Scenario:	Scenario1
From Node:	EXCS11S44+B
To Node:	EX11S43
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	254.00 ft
FHWA Code:	0
Entr Loss Coef:	0.50
Exit Loss Coef:	1.00
Bend Loss Coef:	0.00
Bend Location:	0.00 ft
Energy Switch:	Energy

Upstream		Downstream	
Invert:	-1.20 ft	Invert:	-2.07 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	3.00 ft	Max Depth:	3.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EXCS11S44_WEIR

Scenario:	Scenario1
From Node:	EXCS11S44+A
To Node:	EXCS11S44+B
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	4.23 ft
Control Elevation:	4.23 ft
Max Depth:	1.23 ft
Max Width:	12.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: EXCS11S83_CGCANALW		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.43 ft	Invert:	0.93 ft
From Node:	EXCS11S83	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CGCANALWEST	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	32.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EXCS11S83_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	SWALE 11W1	Default:	0.00 ft
To Node:	EXCS11S83	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.93 ft	Discharge Coefficients	
Control Elevation:	3.93 ft	Weir Default:	2.800
Max Depth:	2.17 ft	Weir Table:	
Max Width:	6.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EXCS11S95_CGCANALW		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.43 ft	Invert:	0.43 ft
From Node:	EXCS11S95	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CGCANALWEST	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	72.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EXCS11S95_WEIR

Scenario:	Scenario1	Bottom Clip	
From Node:	POND 11W1	Default:	0.00 ft
To Node:	EXCS11S95	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	7.43 ft	Discharge Coefficients	
Control Elevation:	7.43 ft	Weir Default:	2.800
Max Depth:	2.33 ft	Weir Table:	
Max Width:	6.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: PND11B2_CGCANALW

		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.53 ft	Invert:	-0.07 ft
From Node:	POND 11W2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CGCANALWEST	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	121.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve: EX11S122_11GW1

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	3.00	0.45
1.53	5.74	1.40
2.98	2.98	0.00
2.98	3.00	0.01
2.98	5.74	0.89

Comment:

Rating Curve: EX11S123_11GW1

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	3.00	0.45
1.53	5.74	1.40
2.98	2.98	0.00
2.98	3.00	0.01
2.98	5.74	0.89

Comment:

Rating Curve: EX11S49_11GW1

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	3.87	0.64
1.53	5.04	1.01
2.98	2.98	0.00
2.98	3.87	0.25
2.98	5.04	0.61

Comment:

Rating Curve: EX11S52_11GW1

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	3.87	0.64
1.53	5.04	1.01
2.98	2.98	0.00
2.98	3.87	0.25
2.98	5.04	0.61

Comment:

Rating Curve: EX11S52_11GW2

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	3.87	1.17
1.53	5.04	1.86
2.98	2.98	0.00
2.98	3.87	0.46
2.98	5.04	1.12

Comment:

Rating Curve: EX11S54_11GW2

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	3.87	1.17
1.53	5.04	1.86
2.98	2.98	0.00
2.98	3.87	0.46
2.98	5.04	1.12

Comment:

Rating Curve: EX11S54_11GW3

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	3.87	1.17
1.53	5.04	1.86
2.98	2.98	0.00
2.98	3.87	0.46
2.98	5.04	1.12

Comment:

Rating Curve: EX11S57_11GW3

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	3.87	1.17
1.53	5.04	1.86
2.98	2.98	0.00
2.98	3.87	0.46
2.98	5.04	1.12

Comment:

Boundary Stage: VARIABLE CANAL

Boundary Stage Set: 100Y-1H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE CANAL

Boundary Stage Set: 100Y-24H

Year	Month	Day	Hour [hr]	Stage [ft]

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE GW

Boundary Stage Set: 100Y-24H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.53
0	0	0	1.0000	1.54
0	0	0	2.0000	1.57
0	0	0	3.0000	1.62
0	0	0	4.0000	1.66
0	0	0	5.0000	1.70
0	0	0	6.0000	1.76
0	0	0	7.0000	1.82
0	0	0	8.0000	1.88
0	0	0	9.0000	1.97
0	0	0	10.0000	2.05
0	0	0	11.0000	2.17
0	0	0	12.0000	2.31
0	0	0	13.0000	2.41
0	0	0	14.0000	2.50
0	0	0	15.0000	2.59
0	0	0	16.0000	2.66
0	0	0	17.0000	2.72
0	0	0	18.0000	2.78
0	0	0	19.0000	2.84
0	0	0	20.0000	2.88
0	0	0	21.0000	2.92
0	0	0	22.0000	2.95
0	0	0	23.0000	2.97
0	0	0	24.0000	2.98
0	0	0	36.0000	1.53

Comment:

Boundary Stage: VARIABLE CANAL

Boundary Stage Set: 100Y-8H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE GW

Boundary Stage Set: 100Y-8H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.53
0	0	0	1.0000	1.56
0	0	0	2.0000	1.72
0	0	0	3.0000	1.94
0	0	0	4.0000	2.55
0	0	0	5.0000	2.78
0	0	0	6.0000	2.86
0	0	0	7.0000	2.94
0	0	0	8.0000	2.98
0	0	0	12.0000	1.53

Comment:

Boundary Stage: VARIABLE CANAL

Boundary Stage Set: 10Y-1H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE CANAL

Boundary Stage Set: 10Y-24H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE GW

Boundary Stage Set: 10Y-24H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.53
0	0	0	1.0000	1.54
0	0	0	2.0000	1.57
0	0	0	3.0000	1.62
0	0	0	4.0000	1.66
0	0	0	5.0000	1.70
0	0	0	6.0000	1.76
0	0	0	7.0000	1.82
0	0	0	8.0000	1.88
0	0	0	9.0000	1.97
0	0	0	10.0000	2.05
0	0	0	11.0000	2.17
0	0	0	12.0000	2.31
0	0	0	13.0000	2.41
0	0	0	14.0000	2.50
0	0	0	15.0000	2.59
0	0	0	16.0000	2.66
0	0	0	17.0000	2.72
0	0	0	18.0000	2.78
0	0	0	19.0000	2.84
0	0	0	20.0000	2.88
0	0	0	21.0000	2.92
0	0	0	22.0000	2.95
0	0	0	23.0000	2.97
0	0	0	24.0000	2.98
0	0	0	36.0000	1.53

Comment:

Boundary Stage: VARIABLE CANAL

Boundary Stage Set: 10Y-8H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE GW

Boundary Stage Set: 10Y-8H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.53
0	0	0	1.0000	1.56
0	0	0	2.0000	1.72
0	0	0	3.0000	1.94
0	0	0	4.0000	2.55
0	0	0	5.0000	2.78
0	0	0	6.0000	2.86
0	0	0	7.0000	2.94
0	0	0	8.0000	2.98
0	0	0	12.0000	1.53

Comment:

Boundary Stage: VARIABLE CANAL

Boundary Stage Set: 25Y-72H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE GW

Boundary Stage Set: 25Y-72H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.53
0	0	0	24.0000	1.69
0	0	0	36.0000	1.80
0	0	0	48.0000	1.91
0	0	0	49.0000	1.92
0	0	0	50.0000	1.93
0	0	0	51.0000	1.95
0	0	0	52.0000	1.96
0	0	0	53.0000	1.98
0	0	0	54.0000	2.00
0	0	0	55.0000	2.03
0	0	0	56.0000	2.06
0	0	0	57.0000	2.10
0	0	0	57.5000	2.12
0	0	0	58.0000	2.14
0	0	0	58.5000	2.17

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	59.0000	2.20
0	0	0	59.5000	2.25
0	0	0	60.0000	2.61
0	0	0	60.5000	2.69
0	0	0	61.0000	2.73
0	0	0	61.5000	2.76
0	0	0	62.0000	2.79
0	0	0	62.5000	2.80
0	0	0	63.0000	2.82
0	0	0	64.0000	2.85
0	0	0	65.0000	2.87
0	0	0	66.0000	2.89
0	0	0	68.0000	2.93
0	0	0	70.0000	2.95
0	0	0	72.0000	2.98
0	0	0	108.0000	1.53

Comment:

Simulation: 100Y-1H

Scenario: Scenario1
Run Date/Time: 8/16/2019 2:19:26 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 100Y-1H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 5.10 in
Storm Duration: 1.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 100Y-24H

Scenario: Scenario1
Run Date/Time: 8/16/2019 2:19:32 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 100Y-24H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	13.44 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100Y-8H

Scenario:	Scenario1
Run Date/Time:	8/16/2019 2:19:49 PM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 100Y-8H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-8
Rainfall Amount: 9.60 in
Storm Duration: 8.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 10Y-1H

Scenario: Scenario1
Run Date/Time: 8/16/2019 2:20:04 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 10Y-1H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.55 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-24H

Scenario:	Scenario1
Run Date/Time:	8/16/2019 2:20:10 PM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 10Y-24H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 8.88 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 10Y-8H

Scenario: Scenario1
Run Date/Time: 8/16/2019 2:20:30 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 10Y-8H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	6.80 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25Y-72H

Scenario:	Scenario1
Run Date/Time:	8/16/2019 2:20:40 PM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	30.0000
0	0	0	57.0000	15.0000

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	63.0000	30.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	30.0000
0	0	0	57.0000	15.0000
0	0	0	63.0000	30.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 25Y-72H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~SFWMD-72
Rainfall Amount: 14.00 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2

Energy Switch (2D): Energy

Energy Switch (1D): Energy

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
11GW1	100Y-1H	5.04	1.53	0.0000	10.92	0.00	0
11GW2	100Y-1H	5.04	1.53	0.0000	6.76	0.00	0
11GW3	100Y-1H	5.04	1.53	0.0000	6.83	0.00	0
CGCANALWEST	100Y-1H	5.04	1.95	0.0002	88.46	0.53	0
EX11S104	100Y-1H	6.22	4.68	0.0010	1.49	1.48	113
EX11S121	100Y-1H	5.74	14.21	0.0014	5.96	4.03	370
EX11S122	100Y-1H	6.00	13.30	0.0010	5.78	5.12	375
EX11S123	100Y-1H	6.25	13.29	0.0010	5.13	3.99	372
EX11S36	100Y-1H	21.70	16.81	0.0053	26.67	38.39	113
EX11S40	100Y-1H	15.15	10.20	0.0030	14.90	15.53	229
EX11S43	100Y-1H	3.23	1.95	0.0002	44.59	45.32	9271
EX11S49	100Y-1H	5.27	7.08	0.0019	46.34	46.26	819
EX11S50	100Y-1H	8.61	7.70	0.0019	10.51	10.40	248
EX11S52	100Y-1H	5.37	7.57	0.0019	34.78	34.70	1037
EX11S54	100Y-1H	5.04	7.66	0.0025	17.08	17.14	1057
EX11S57	100Y-1H	5.15	7.68	0.0032	8.79	8.66	553
EX11S80	100Y-1H	6.39	4.45	0.0006	1.33	1.33	113
EX11S86	100Y-1H	6.27	4.44	0.0006	2.35	2.35	113
EX11S97	100Y-1H	20.61	18.53	0.0003	1.49	1.49	113
EX11S98	100Y-1H	6.31	4.77	0.0009	5.57	5.56	113
EXCS11S102	100Y-1H	7.43	4.10	0.0009	10.69	10.68	113
EXCS11S108	100Y-1H	7.43	2.29	0.0007	1.55	1.53	172
EXCS11S44+A	100Y-1H	7.30	5.44	0.0019	44.60	44.60	637
EXCS11S44+B	100Y-1H	7.30	3.34	0.0049	44.60	44.59	257
EXCS11S83	100Y-1H	7.43	2.65	0.0009	5.79	5.78	126
EXCS11S95	100Y-1H	11.03	7.91	0.0017	39.20	39.18	222
POND 11W1	100Y-1H	9.43	9.26	0.0009	60.48	39.20	9955
POND 11W2	100Y-1H	7.43	2.28	0.0007	24.32	3.32	61550
SWALE 11W1	100Y-1H	6.43	4.42	0.0006	5.80	5.79	985
SWALE 11W2	100Y-1H	6.43	4.67	0.0010	10.73	10.69	1634
SWALE 11W3	100Y-1H	4.93	4.04	0.0002	1.76	1.55	2377
11GW1	100Y-24H	5.04	2.98	0.0005	3.40	0.00	0
11GW2	100Y-24H	5.04	2.98	0.0005	2.39	0.00	0
11GW3	100Y-24H	5.04	2.98	0.0005	2.39	0.00	0
CGCANALWEST	100Y-24H	5.04	2.43	0.0003	18.56	0.46	0
EX11S104	100Y-24H	6.22	4.16	0.0010	0.26	0.31	113
EX11S121	100Y-24H	5.74	5.67	0.0006	1.03	1.02	202
EX11S122	100Y-24H	6.00	5.61	0.0009	1.36	1.40	366
EX11S123	100Y-24H	6.25	5.61	0.0009	1.12	1.07	233
EX11S36	100Y-24H	21.70	15.82	0.0010	4.59	4.59	113
EX11S40	100Y-24H	15.15	8.10	0.0008	2.57	2.57	201
EX11S43	100Y-24H	3.23	2.43	0.0005	10.43	5.33	9271

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX11S49	100Y-24H	5.27	4.53	0.0010	6.67	5.69	819
EX11S50	100Y-24H	8.61	4.54	0.0010	1.81	2.43	248
EX11S52	100Y-24H	5.37	4.53	0.0018	5.42	5.76	1037
EX11S54	100Y-24H	5.04	4.54	0.0010	3.70	3.20	1057
EX11S57	100Y-24H	5.15	4.54	0.0010	1.71	2.23	553
EX11S80	100Y-24H	6.39	4.09	0.0005	0.23	0.25	113
EX11S86	100Y-24H	6.27	4.09	0.0005	0.41	0.45	113
EX11S97	100Y-24H	20.61	18.23	0.0002	0.26	0.26	113
EX11S98	100Y-24H	6.31	4.16	0.0010	0.96	0.99	113
EXCS11S102	100Y-24H	7.43	2.43	0.0010	1.85	1.85	113
EXCS11S108	100Y-24H	7.43	2.43	0.0004	0.38	0.38	172
EXCS11S44+A	100Y-24H	7.30	4.51	0.0010	5.06	4.96	637
EXCS11S44+B	100Y-24H	7.30	2.43	0.0049	4.96	10.43	257
EXCS11S83	100Y-24H	7.43	2.43	0.0003	1.00	1.00	125
EXCS11S95	100Y-24H	11.03	2.47	0.0003	8.54	8.54	221
POND 11W1	100Y-24H	9.43	8.07	0.0007	8.56	8.54	9134
POND 11W2	100Y-24H	7.43	2.43	0.0004	5.30	3.99	61958
SWALE 11W1	100Y-24H	6.43	4.08	0.0005	1.04	1.00	985
SWALE 11W2	100Y-24H	6.43	4.16	0.0010	1.91	1.85	1175
SWALE 11W3	100Y-24H	4.93	3.98	0.0002	0.39	0.38	2257
11GW1	100Y-8H	5.04	2.98	0.0008	7.20	0.01	0
11GW2	100Y-8H	5.04	2.98	0.0008	3.44	0.01	0
11GW3	100Y-8H	5.04	2.98	0.0008	3.45	0.01	0
CGCANALWEST	100Y-8H	5.04	2.10	0.0002	59.09	0.49	0
EX11S104	100Y-8H	6.22	4.41	0.0010	0.77	1.10	113
EX11S121	100Y-8H	5.74	11.40	0.0010	3.08	2.70	370
EX11S122	100Y-8H	6.00	10.98	0.0010	3.70	3.50	375
EX11S123	100Y-8H	6.25	10.98	0.0010	3.04	2.74	372
EX11S36	100Y-8H	21.70	16.56	0.0010	13.79	13.79	113
EX11S40	100Y-8H	15.15	9.08	0.0009	7.71	7.70	215
EX11S43	100Y-8H	3.23	2.10	0.0002	24.01	26.35	9271
EX11S49	100Y-8H	5.27	5.51	0.0010	24.88	24.87	819
EX11S50	100Y-8H	8.61	5.69	0.0010	5.43	5.43	248
EX11S52	100Y-8H	5.37	5.65	0.0016	18.64	18.64	1037
EX11S54	100Y-8H	5.04	5.68	0.0014	9.11	9.12	1057
EX11S57	100Y-8H	5.15	5.68	0.0010	4.54	4.55	553
EX11S80	100Y-8H	6.39	4.25	0.0004	0.69	0.69	113
EX11S86	100Y-8H	6.27	4.25	0.0004	1.22	1.23	113
EX11S97	100Y-8H	20.61	18.37	0.0002	0.77	0.77	113
EX11S98	100Y-8H	6.31	4.43	0.0010	2.88	2.88	113
EXCS11S102	100Y-8H	7.43	3.11	0.0010	5.55	5.57	113
EXCS11S108	100Y-8H	7.43	2.57	0.0002	1.13	1.11	172
EXCS11S44+A	100Y-8H	7.30	5.03	0.0010	24.01	24.01	637

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EXCS11S44+B	100Y-8H	7.30	2.10	0.0049	24.01	24.01	257
EXCS11S83	100Y-8H	7.43	2.11	0.0010	3.00	3.00	126
EXCS11S95	100Y-8H	11.03	4.77	0.0012	25.56	25.56	222
POND 11W1	100Y-8H	9.43	8.75	0.0008	25.70	25.56	9620
POND 11W2	100Y-8H	7.43	2.57	0.0002	15.62	8.50	62580
SWALE 11W1	100Y-8H	6.43	4.25	0.0005	3.01	3.00	985
SWALE 11W2	100Y-8H	6.43	4.41	0.0010	5.60	5.55	1336
SWALE 11W3	100Y-8H	4.93	4.02	0.0002	1.13	1.13	2339
11GW1	10Y-1H	5.04	1.53	0.0000	8.04	0.00	0
11GW2	10Y-1H	5.04	1.53	0.0000	5.02	0.00	0
11GW3	10Y-1H	5.04	1.53	0.0000	5.05	0.00	0
CGCANALWEST	10Y-1H	5.04	1.95	0.0003	52.00	0.58	0
EX11S104	10Y-1H	6.22	4.51	0.0010	1.02	1.03	113
EX11S121	10Y-1H	5.74	10.45	0.0013	4.10	2.88	370
EX11S122	10Y-1H	6.00	9.99	0.0010	4.11	3.65	375
EX11S123	10Y-1H	6.25	9.99	0.0010	3.61	2.86	372
EX11S36	10Y-1H	21.70	16.81	0.0065	18.33	26.02	113
EX11S40	10Y-1H	15.15	8.98	0.0022	10.24	12.80	229
EX11S43	10Y-1H	3.23	1.95	0.0005	29.98	30.94	9271
EX11S49	10Y-1H	5.27	5.90	0.0017	31.30	31.27	819
EX11S50	10Y-1H	8.61	6.18	0.0017	7.22	7.17	248
EX11S52	10Y-1H	5.37	6.12	0.0017	23.58	23.54	1037
EX11S54	10Y-1H	5.04	6.15	0.0024	11.66	11.69	1057
EX11S57	10Y-1H	5.15	6.16	0.0029	6.04	5.98	553
EX11S80	10Y-1H	6.39	4.32	0.0006	0.92	0.91	113
EX11S86	10Y-1H	6.27	4.32	0.0006	1.62	1.61	113
EX11S97	10Y-1H	20.61	18.44	0.0003	1.02	1.02	113
EX11S98	10Y-1H	6.31	4.55	0.0009	3.83	3.82	113
EXCS11S102	10Y-1H	7.43	3.42	0.0019	7.34	7.34	113
EXCS11S108	10Y-1H	7.43	2.01	0.0008	0.59	0.57	172
EXCS11S44+A	10Y-1H	7.30	5.16	0.0017	29.98	29.98	637
EXCS11S44+B	10Y-1H	7.30	2.30	0.0049	29.98	29.98	257
EXCS11S83	10Y-1H	7.43	2.30	0.0010	3.97	3.97	126
EXCS11S95	10Y-1H	11.03	4.37	0.0014	23.11	23.10	222
POND 11W1	10Y-1H	9.43	8.67	0.0010	40.73	23.11	9563
POND 11W2	10Y-1H	7.43	2.01	0.0008	15.10	1.38	60537
SWALE 11W1	10Y-1H	6.43	4.31	0.0006	3.98	3.97	985
SWALE 11W2	10Y-1H	6.43	4.51	0.0010	7.37	7.34	1442
SWALE 11W3	10Y-1H	4.93	3.99	0.0003	1.05	0.59	2282
11GW1	10Y-24H	5.04	2.98	0.0005	2.58	0.01	0
11GW2	10Y-24H	5.04	2.98	0.0005	2.20	0.00	0
11GW3	10Y-24H	5.04	2.98	0.0005	2.20	0.00	0
CGCANALWE	10Y-24H	5.04	2.43	0.0003	9.99	0.46	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
ST							
EX11S104	10Y-24H	6.22	4.11	0.0010	0.17	0.20	113
EX11S121	10Y-24H	5.74	4.53	0.0007	0.68	0.67	202
EX11S122	10Y-24H	6.00	4.51	0.0009	0.89	0.91	366
EX11S123	10Y-24H	6.25	4.51	0.0008	0.73	0.70	233
EX11S36	10Y-24H	21.70	15.65	0.0010	3.03	3.03	113
EX11S40	10Y-24H	15.15	7.93	0.0009	1.69	1.70	196
EX11S43	10Y-24H	3.23	2.43	0.0005	10.43	4.56	9271
EX11S49	10Y-24H	5.27	4.37	0.0010	2.92	2.88	819
EX11S50	10Y-24H	8.61	4.38	0.0010	1.20	1.91	248
EX11S52	10Y-24H	5.37	4.37	0.0018	4.85	4.38	1037
EX11S54	10Y-24H	5.04	4.37	0.0010	3.59	3.00	1057
EX11S57	10Y-24H	5.15	4.37	0.0010	1.61	1.10	553
EX11S80	10Y-24H	6.39	4.05	0.0005	0.15	0.17	113
EX11S86	10Y-24H	6.27	4.05	0.0005	0.27	0.30	113
EX11S97	10Y-24H	20.61	18.19	0.0002	0.17	0.17	113
EX11S98	10Y-24H	6.31	4.11	0.0010	0.63	0.68	113
EXCS11S102	10Y-24H	7.43	2.43	0.0010	1.22	1.22	113
EXCS11S108	10Y-24H	7.43	2.43	0.0004	0.24	0.24	172
EXCS11S44+A	10Y-24H	7.30	4.37	0.0010	2.29	1.71	637
EXCS11S44+B	10Y-24H	7.30	2.43	0.0049	1.71	10.43	257
EXCS11S83	10Y-24H	7.43	2.43	0.0004	0.66	0.66	125
EXCS11S95	10Y-24H	11.03	2.43	0.0003	5.63	5.63	220
POND 11W1	10Y-24H	9.43	7.91	0.0007	5.65	5.63	9033
POND 11W2	10Y-24H	7.43	2.43	0.0004	3.36	2.27	61958
SWALE 11W1	10Y-24H	6.43	4.05	0.0005	0.70	0.66	985
SWALE 11W2	10Y-24H	6.43	4.10	0.0010	1.26	1.22	1127
SWALE 11W3	10Y-24H	4.93	3.96	0.0002	0.24	0.24	2236
11GW1	10Y-8H	5.04	2.98	0.0007	5.35	0.01	0
11GW2	10Y-8H	5.04	2.98	0.0007	2.89	0.01	0
11GW3	10Y-8H	5.04	2.98	0.0007	2.89	0.01	0
CGCANALWEST	10Y-8H	5.04	2.10	0.0003	39.36	0.51	0
EX11S104	10Y-8H	6.22	4.31	0.0010	0.55	0.89	113
EX11S121	10Y-8H	5.74	8.81	0.0010	2.18	1.93	370
EX11S122	10Y-8H	6.00	8.60	0.0010	2.64	2.51	375
EX11S123	10Y-8H	6.25	8.59	0.0010	2.16	1.96	372
EX11S36	10Y-8H	21.70	16.28	0.0010	9.75	9.75	113
EX11S40	10Y-8H	15.15	8.64	0.0008	5.45	5.45	210
EX11S43	10Y-8H	3.23	2.10	0.0004	16.07	17.72	9271
EX11S49	10Y-8H	5.27	5.05	0.0010	16.91	16.79	819
EX11S50	10Y-8H	8.61	5.14	0.0010	3.84	4.03	248
EX11S52	10Y-8H	5.37	5.12	0.0018	13.07	12.78	1037
EX11S54	10Y-8H	5.04	5.13	0.0011	6.95	6.50	1057
EX11S57	10Y-8H	5.15	5.13	0.0010	3.21	4.02	553

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX11S80	10Y-8H	6.39	4.19	0.0005	0.49	0.51	113
EX11S86	10Y-8H	6.27	4.19	0.0006	0.86	1.02	113
EX11S97	10Y-8H	20.61	18.32	0.0002	0.55	0.55	113
EX11S98	10Y-8H	6.31	4.32	0.0010	2.04	2.04	113
EXCS11S102	10Y-8H	7.43	2.80	0.0010	3.93	3.93	113
EXCS11S108	10Y-8H	7.43	2.28	0.0004	0.75	0.74	172
EXCS11S44+A	10Y-8H	7.30	4.84	0.0010	16.07	16.07	637
EXCS11S44+B	10Y-8H	7.30	2.10	0.0049	16.07	16.07	257
EXCS11S83	10Y-8H	7.43	2.10	0.0005	2.12	2.12	125
EXCS11S95	10Y-8H	11.03	3.65	0.0012	18.05	18.04	222
POND 11W1	10Y-8H	9.43	8.48	0.0006	18.17	18.05	9439
POND 11W2	10Y-8H	7.43	2.28	0.0004	10.58	4.51	61518
SWALE 11W1	10Y-8H	6.43	4.18	0.0006	2.29	2.12	985
SWALE 11W2	10Y-8H	6.43	4.31	0.0010	4.28	3.93	1295
SWALE 11W3	10Y-8H	4.93	4.00	0.0002	0.76	0.75	2301
11GW1	25Y-72H	5.04	2.98	0.0003	8.43	0.01	0
11GW2	25Y-72H	5.04	2.98	0.0003	4.62	0.00	0
11GW3	25Y-72H	5.04	2.98	0.0003	4.67	0.00	0
CGCANALWEST	25Y-72H	5.04	2.93	0.0005	89.37	0.56	0
EX11S104	25Y-72H	6.22	4.57	0.0010	1.18	1.18	113
EX11S121	25Y-72H	5.74	12.99	0.0010	4.70	3.29	370
EX11S122	25Y-72H	6.00	12.41	0.0010	4.77	4.06	375
EX11S123	25Y-72H	6.25	12.41	0.0010	4.18	3.18	372
EX11S36	25Y-72H	21.70	16.81	0.0051	21.04	27.38	113
EX11S40	25Y-72H	15.15	9.89	0.0010	11.76	11.72	188
EX11S43	25Y-72H	3.23	2.93	0.0005	37.27	38.44	9271
EX11S49	25Y-72H	5.27	6.45	0.0010	38.47	38.41	819
EX11S50	25Y-72H	8.61	6.89	0.0010	8.29	8.23	248
EX11S52	25Y-72H	5.37	6.80	0.0017	28.72	28.66	1037
EX11S54	25Y-72H	5.04	6.87	0.0013	13.94	14.01	1057
EX11S57	25Y-72H	5.15	6.89	0.0010	6.93	6.92	553
EX11S80	25Y-72H	6.39	4.37	0.0004	1.05	1.05	113
EX11S86	25Y-72H	6.27	4.36	0.0006	1.86	1.85	113
EX11S97	25Y-72H	20.61	18.47	0.0002	1.18	1.17	113
EX11S98	25Y-72H	6.31	4.62	0.0010	4.39	4.39	113
EXCS11S102	25Y-72H	7.43	3.74	0.0010	8.43	8.40	113
EXCS11S108	25Y-72H	7.43	3.17	0.0004	1.78	1.76	172
EXCS11S44+A	25Y-72H	7.30	5.30	0.0010	37.28	37.28	637
EXCS11S44+B	25Y-72H	7.30	4.01	0.0049	37.28	37.27	257
EXCS11S83	25Y-72H	7.43	2.93	0.0010	4.56	4.56	125
EXCS11S95	25Y-72H	11.03	7.58	0.0010	37.11	37.10	212
POND 11W1	25Y-72H	9.43	9.14	0.0005	45.51	37.11	9874

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND 11W2	25Y-72H	7.43	3.16	0.0004	24.51	10.68	64421
SWALE 11W1	25Y-72H	6.43	4.35	0.0005	4.57	4.56	985
SWALE 11W2	25Y-72H	6.43	4.56	0.0010	8.47	8.43	1507
SWALE 11W3	25Y-72H	4.93	4.06	0.0002	1.80	1.78	2397

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX11S104_SWL11W2	100Y-1H	1.48	-0.24	0.00	-0.77	-1.52	-1.05
EX11S121_S122	100Y-1H	4.03	0.00	-0.01	3.28	3.28	3.28
EX11S122_11GW1	100Y-1H	4.00	0.00	0.00	0.00	0.00	0.00
EX11S123_11GW1	100Y-1H	3.99	0.00	0.00	0.00	0.00	0.00
EX11S123_S122	100Y-1H	0.71	-1.16	-0.09	-0.37	-0.37	-0.37
EX11S36_PND11W1	100Y-1H	38.39	0.00	-20.80	12.53	35.38	23.64
EX11S40_PND11W1	100Y-1H	15.53	0.00	2.39	6.51	7.17	5.92
EX11S43_CGCANALW	100Y-1H	45.32	-0.14	-4.08	0.34	0.34	0.34
EX11S49_11GW1	100Y-1H	1.67	0.00	0.00	0.00	0.00	0.00
EX11S49_S44	100Y-1H	44.60	-0.72	-0.70	6.31	6.31	6.31
EX11S50_S52	100Y-1H	10.40	-0.58	-1.31	2.12	2.12	2.12
EX11S52_11GW1	100Y-1H	1.82	0.00	0.00	0.00	0.00	0.00
EX11S52_11GW2	100Y-1H	3.36	0.00	0.00	0.00	0.00	0.00
EX11S52_S49	100Y-1H	29.53	-2.24	1.96	4.18	4.18	4.18
EX11S54_11GW2	100Y-1H	3.41	0.00	0.00	0.00	0.00	0.00
EX11S54_11GW3	100Y-1H	3.41	0.00	0.00	0.00	0.00	0.00
EX11S54_S52	100Y-1H	10.37	-2.49	1.78	1.47	1.47	1.47
EX11S57_11GW3	100Y-1H	3.42	0.00	0.00	0.00	0.00	0.00
EX11S57_S54	100Y-1H	5.28	-1.92	-1.59	0.75	0.75	0.75
EX11S80_SWL11W1	100Y-1H	1.33	0.00	0.00	1.25	1.15	1.10
EX11S86_SWL11W1	100Y-1H	2.35	0.00	0.05	2.24	1.97	2.00
EX11S97_PND11W1	100Y-1H	1.49	0.00	0.03	3.08	0.96	1.78
EX11S98_SWL11W2	100Y-1H	5.56	0.00	0.03	2.01	1.77	1.77
EXCS11S102_PND11W2	100Y-1H	10.68	0.00	-0.23	6.04	7.07	6.44
EXCS11S102_WEIR	100Y-1H	10.69	0.00	0.00	2.41	2.41	2.41
EXCS11S108_	100Y-1H	1.53	-0.07	-0.02	0.53	2.07	1.29

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PND11W2							
EXCS11S108_WEIR	100Y-1H	1.55	0.00	0.00	0.95	0.95	0.95
EXCS11S44_S43	100Y-1H	44.59	0.00	-0.48	6.31	6.31	6.31
EXCS11S44_WEIR	100Y-1H	44.60	0.00	0.03	3.08	3.08	3.08
EXCS11S83_CGCANALW	100Y-1H	5.78	0.00	-0.48	4.65	7.44	6.04
EXCS11S83_WEIR	100Y-1H	5.79	0.00	0.00	1.96	1.96	1.96
EXCS11S95_CGCANALW	100Y-1H	39.18	0.00	-2.09	12.47	12.82	12.64
EXCS11S95_WEIR	100Y-1H	39.20	0.00	-0.02	3.69	3.69	3.69
PND11B2_CGCANALW	100Y-1H	3.32	-0.47	0.19	3.85	-1.39	2.57
EX11S104_SWL11W2	100Y-24H	0.31	-0.02	0.06	-0.32	-0.44	-0.38
EX11S121_S122	100Y-24H	1.02	0.00	-0.02	0.83	0.83	0.83
EX11S122_11GW1	100Y-24H	1.07	0.00	0.00	0.00	0.00	0.00
EX11S123_11GW1	100Y-24H	1.07	0.00	0.00	0.00	0.00	0.00
EX11S123_S122	100Y-24H	0.00	-0.33	-0.11	-0.11	-0.11	-0.11
EX11S36_PND11W1	100Y-24H	4.59	0.00	0.03	4.24	7.94	5.24
EX11S40_PND11W1	100Y-24H	2.57	0.00	0.11	2.74	2.89	2.45
EX11S43_CGCANALW	100Y-24H	5.33	-0.14	-1.31	0.04	0.04	0.04
EX11S49_11GW1	100Y-24H	0.65	0.00	0.00	0.00	0.00	0.00
EX11S49_S44	100Y-24H	5.06	-0.21	-1.85	0.72	0.72	0.72
EX11S50_S52	100Y-24H	2.43	-0.04	-1.50	0.50	0.50	0.50
EX11S52_11GW1	100Y-24H	0.65	0.00	0.00	0.00	0.00	0.00
EX11S52_11GW2	100Y-24H	1.20	0.00	0.00	0.00	0.00	0.00
EX11S52_S49	100Y-24H	3.73	-1.98	2.61	0.53	0.53	0.53
EX11S54_11GW2	100Y-24H	1.20	0.00	0.00	0.00	0.00	0.00
EX11S54_11GW3	100Y-24H	1.20	0.00	0.00	0.00	0.00	0.00
EX11S54_S52	100Y-24H	0.70	-2.48	-2.20	-0.35	-0.35	-0.35

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX11S57_11GW3	100Y-24H	1.20	0.00	0.00	0.00	0.00	0.00
EX11S57_S54	100Y-24H	1.06	-0.85	0.91	0.15	0.15	0.15
EX11S80_SWL11W1	100Y-24H	0.25	0.00	0.04	0.34	0.22	0.21
EX11S86_SWL11W1	100Y-24H	0.45	0.00	0.07	0.90	0.36	0.53
EX11S97_PND11W1	100Y-24H	0.26	0.00	-0.01	1.94	0.28	1.01
EX11S98_SWL11W2	100Y-24H	0.99	0.00	-0.34	0.65	0.34	0.37
EXCS11S102_PND11W2	100Y-24H	1.85	0.00	0.20	3.13	4.12	3.62
EXCS11S102_WEIR	100Y-24H	1.85	0.00	0.00	1.34	1.34	1.34
EXCS11S108_PND11W2	100Y-24H	0.38	0.00	0.03	0.13	0.35	0.24
EXCS11S108_WEIR	100Y-24H	0.38	0.00	0.00	0.00	0.00	0.00
EXCS11S44_S43	100Y-24H	10.43	-0.01	-0.48	1.55	1.48	1.51
EXCS11S44_WEIR	100Y-24H	4.96	0.00	-0.02	1.48	1.48	1.48
EXCS11S83_CGCANALW	100Y-24H	1.00	0.00	-0.03	2.92	1.13	2.02
EXCS11S83_WEIR	100Y-24H	1.00	0.00	0.00	1.09	1.09	1.09
EXCS11S95_CGCANALW	100Y-24H	8.54	0.00	-0.03	5.16	4.13	4.65
EXCS11S95_WEIR	100Y-24H	8.54	0.00	0.00	2.23	2.23	2.23
PND11B2_CGCANALW	100Y-24H	3.99	-0.37	-0.01	4.07	1.36	2.71
EX11S104_SWL11W2	100Y-8H	1.10	-0.03	0.73	-0.37	-0.60	-0.48
EX11S121_S122	100Y-8H	2.70	0.00	0.02	2.20	2.20	2.20
EX11S122_11GW1	100Y-8H	2.74	0.00	0.00	0.00	0.00	0.00
EX11S123_11GW1	100Y-8H	2.74	0.00	0.00	0.00	0.00	0.00
EX11S123_S122	100Y-8H	0.05	-0.76	-0.04	-0.24	-0.24	-0.24
EX11S36_PND11W1	100Y-8H	13.79	0.00	-0.11	6.18	19.15	12.66
EX11S40_PND11W1	100Y-8H	7.70	0.00	0.38	3.62	4.23	3.51

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX11S43_CG CANALW	100Y-8H	26.35	-0.14	-3.39	0.20	0.20	0.20
EX11S49_11G W1	100Y-8H	0.89	0.00	0.00	0.00	0.00	0.00
EX11S49_S44	100Y-8H	24.01	-0.30	-1.52	3.40	3.40	3.40
EX11S50_S52	100Y-8H	5.43	0.00	1.51	1.11	1.11	1.11
EX11S52_11G W1	100Y-8H	0.93	0.00	0.00	0.00	0.00	0.00
EX11S52_11G W2	100Y-8H	1.71	0.00	0.00	0.00	0.00	0.00
EX11S52_S49	100Y-8H	16.06	-2.04	-2.64	2.27	2.27	2.27
EX11S54_11G W2	100Y-8H	1.72	0.00	0.00	0.00	0.00	0.00
EX11S54_11G W3	100Y-8H	1.72	0.00	0.00	0.00	0.00	0.00
EX11S54_S52	100Y-8H	5.76	-2.55	2.25	0.81	0.81	0.81
EX11S57_11G W3	100Y-8H	1.73	0.00	0.00	0.00	0.00	0.00
EX11S57_S54	100Y-8H	2.87	-0.83	1.98	0.41	0.41	0.41
EX11S80_SW L11W1	100Y-8H	0.69	0.00	-0.04	0.59	0.39	0.39
EX11S86_SW L11W1	100Y-8H	1.23	0.00	0.08	1.52	0.46	0.98
EX11S97_PN D11W1	100Y-8H	0.77	0.00	0.01	2.59	0.31	1.42
EX11S98_SW L11W2	100Y-8H	2.88	0.00	-0.10	0.99	0.92	0.96
EXCS11S102_ PND11W2	100Y-8H	5.57	0.00	0.50	4.91	4.95	4.47
EXCS11S102_ WEIR	100Y-8H	5.55	0.00	-0.01	1.94	1.94	1.94
EXCS11S108_ PND11W2	100Y-8H	1.11	-0.02	-0.03	0.35	1.18	0.74
EXCS11S108_ WEIR	100Y-8H	1.13	0.00	0.00	0.85	0.85	0.85
EXCS11S44_S 43	100Y-8H	24.01	0.00	-0.48	3.40	3.40	3.40
EXCS11S44_ WEIR	100Y-8H	24.01	0.00	-0.02	2.50	2.50	2.50
EXCS11S83_C GCANALW	100Y-8H	3.00	0.00	-0.38	4.87	7.80	6.33
EXCS11S83_ WEIR	100Y-8H	3.00	0.00	0.00	1.58	1.58	1.58
EXCS11S95_C GCANALW	100Y-8H	25.56	0.00	-2.26	8.14	9.13	8.40
EXCS11S95_ WEIR	100Y-8H	25.56	0.00	-0.01	3.22	3.22	3.22

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PND11B2_CG CANALW	100Y-8H	8.50	-0.43	1.18	5.15	3.16	4.15
EX11S104_S WL11W2	10Y-1H	1.03	-0.22	0.02	-0.74	-1.49	-1.02
EX11S121_S1 22	10Y-1H	2.88	0.00	-0.01	2.34	2.34	2.34
EX11S122_11 GW1	10Y-1H	2.86	0.00	0.00	0.00	0.00	0.00
EX11S123_11 GW1	10Y-1H	2.86	0.00	0.00	0.00	0.00	0.00
EX11S123_S1 22	10Y-1H	0.52	-1.00	0.07	-0.32	-0.32	-0.32
EX11S36_PN D11W1	10Y-1H	26.02	0.00	8.40	10.23	30.41	20.32
EX11S40_PN D11W1	10Y-1H	12.80	0.00	1.95	5.99	6.80	5.61
EX11S43_CG CANALW	10Y-1H	30.94	-0.14	-3.66	0.23	0.23	0.23
EX11S49_11G W1	10Y-1H	1.29	0.00	0.00	0.00	0.00	0.00
EX11S49_S44	10Y-1H	29.98	-0.67	-0.72	4.24	4.24	4.24
EX11S50_S52	10Y-1H	7.17	-0.47	-1.30	1.46	1.46	1.46
EX11S52_11G W1	10Y-1H	1.36	0.00	0.00	0.00	0.00	0.00
EX11S52_11G W2	10Y-1H	2.50	0.00	0.00	0.00	0.00	0.00
EX11S52_S49	10Y-1H	19.69	-2.21	1.93	2.79	2.79	2.79
EX11S54_11G W2	10Y-1H	2.52	0.00	0.00	0.00	0.00	0.00
EX11S54_11G W3	10Y-1H	2.52	0.00	0.00	0.00	0.00	0.00
EX11S54_S52	10Y-1H	6.66	-2.48	1.93	0.94	0.94	0.94
EX11S57_11G W3	10Y-1H	2.53	0.00	0.00	0.00	0.00	0.00
EX11S57_S54	10Y-1H	3.47	-1.76	-1.77	0.49	0.49	0.49
EX11S80_SW L11W1	10Y-1H	0.91	0.00	0.00	1.22	1.09	1.06
EX11S86_SW L11W1	10Y-1H	1.61	0.00	0.04	2.17	1.89	1.90
EX11S97_PN D11W1	10Y-1H	1.02	0.00	0.03	2.79	0.93	1.56
EX11S98_SW L11W2	10Y-1H	3.82	0.00	0.03	1.97	1.22	1.47
EXCS11S102_ PND11W2	10Y-1H	7.34	0.00	-1.11	5.56	6.67	6.12
EXCS11S102_ WEIR	10Y-1H	7.34	0.00	0.00	2.12	2.12	2.12

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EXCS11S108_PND11W2	10Y-1H	0.57	-0.04	-0.01	-0.29	0.93	0.57
EXCS11S108_WEIR	10Y-1H	0.59	0.00	0.00	0.68	0.68	0.68
EXCS11S44_S43	10Y-1H	29.98	-0.01	-0.48	4.24	4.24	4.24
EXCS11S44_WEIR	10Y-1H	29.98	0.00	0.02	2.70	2.70	2.70
EXCS11S83_CGCANALW	10Y-1H	3.97	0.00	-0.55	4.64	7.42	6.03
EXCS11S83_WEIR	10Y-1H	3.97	0.00	0.00	1.73	1.73	1.73
EXCS11S95_CGCANALW	10Y-1H	23.10	0.00	2.27	7.35	8.95	7.73
EXCS11S95_WEIR	10Y-1H	23.11	0.00	0.02	3.11	3.11	3.11
PND11B2_CGCANALW	10Y-1H	1.38	-0.49	0.09	3.02	-1.47	1.78
EX11S104_SWL11W2	10Y-24H	0.20	-0.02	0.10	-0.27	-0.31	-0.28
EX11S121_S122	10Y-24H	0.67	-0.01	-0.02	0.55	0.55	0.55
EX11S122_11GW1	10Y-24H	0.70	0.00	0.00	0.00	0.00	0.00
EX11S123_11GW1	10Y-24H	0.70	0.00	0.00	0.00	0.00	0.00
EX11S123_S122	10Y-24H	0.00	-0.21	-0.09	-0.07	-0.07	-0.07
EX11S36_PND11W1	10Y-24H	3.03	0.00	-0.03	3.76	7.60	5.02
EX11S40_PND11W1	10Y-24H	1.70	0.00	0.05	2.30	2.55	2.18
EX11S43_CGCANALW	10Y-24H	4.56	-0.14	0.85	0.03	0.03	0.03
EX11S49_11GW1	10Y-24H	0.60	0.00	0.00	0.00	0.00	0.00
EX11S49_S44	10Y-24H	2.29	-0.29	-1.85	0.32	0.32	0.32
EX11S50_S52	10Y-24H	1.91	-0.01	-1.51	0.39	0.39	0.39
EX11S52_11GW1	10Y-24H	0.60	0.00	0.00	0.00	0.00	0.00
EX11S52_11GW2	10Y-24H	1.10	0.00	0.00	0.00	0.00	0.00
EX11S52_S49	10Y-24H	0.98	-1.92	1.92	-0.27	-0.27	-0.27
EX11S54_11GW2	10Y-24H	1.10	0.00	0.00	0.00	0.00	0.00
EX11S54_11GW3	10Y-24H	1.10	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX11S54_S52	10Y-24H	0.10	-2.50	-2.16	-0.35	-0.35	-0.35
EX11S57_11GW3	10Y-24H	1.10	0.00	0.00	0.00	0.00	0.00
EX11S57_S54	10Y-24H	0.28	-0.85	0.85	-0.12	-0.12	-0.12
EX11S80_SWL11W1	10Y-24H	0.17	0.00	0.03	0.19	0.23	0.12
EX11S86_SWL11W1	10Y-24H	0.30	0.00	-0.05	0.63	0.29	0.36
EX11S97_PND11W1	10Y-24H	0.17	0.00	-0.01	1.75	0.27	0.90
EX11S98_SWL11W2	10Y-24H	0.68	0.00	-0.27	0.76	0.25	0.44
EXCS11S102_PND11W2	10Y-24H	1.22	0.00	0.07	3.08	3.13	2.76
EXCS11S102_WEIR	10Y-24H	1.22	0.00	0.00	1.17	1.17	1.17
EXCS11S108_PND11W2	10Y-24H	0.24	0.00	0.02	0.09	0.32	0.20
EXCS11S108_WEIR	10Y-24H	0.24	0.00	0.00	0.00	0.00	0.00
EXCS11S44_S43	10Y-24H	10.43	-0.01	-0.48	1.55	1.48	1.51
EXCS11S44_WEIR	10Y-24H	1.71	0.00	0.03	1.04	1.04	1.04
EXCS11S83_CGCANALW	10Y-24H	0.66	0.00	-0.03	2.60	0.75	1.68
EXCS11S83_WEIR	10Y-24H	0.66	0.00	0.00	0.95	0.95	0.95
EXCS11S95_CGCANALW	10Y-24H	5.63	0.00	0.02	4.51	2.72	3.62
EXCS11S95_WEIR	10Y-24H	5.63	0.00	0.00	1.94	1.94	1.94
PND11B2_CGCANALW	10Y-24H	2.27	-0.37	-0.01	3.46	0.77	2.12
EX11S104_SWL11W2	10Y-8H	0.89	-0.03	-0.69	-0.32	-0.45	-0.38
EX11S121_S122	10Y-8H	1.93	0.00	0.02	1.57	1.57	1.57
EX11S122_11GW1	10Y-8H	1.96	0.00	0.00	0.00	0.00	0.00
EX11S123_11GW1	10Y-8H	1.96	0.00	0.00	0.00	0.00	0.00
EX11S123_S122	10Y-8H	0.04	-0.54	-0.03	-0.17	-0.17	-0.17
EX11S36_PND11W1	10Y-8H	9.75	0.00	-0.07	5.41	17.34	11.37
EX11S40_PN	10Y-8H	5.45	0.00	0.33	3.50	3.95	3.30

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D11W1							
EX11S43_CG CANALW	10Y-8H	17.72	-0.14	-3.85	0.13	0.13	0.13
EX11S49_11G W1	10Y-8H	0.77	0.00	0.00	0.00	0.00	0.00
EX11S49_S44	10Y-8H	16.07	-0.33	1.84	2.27	2.27	2.27
EX11S50_S52	10Y-8H	4.03	0.00	-1.56	0.82	0.82	0.82
EX11S52_11G W1	10Y-8H	0.78	0.00	0.00	0.00	0.00	0.00
EX11S52_11G W2	10Y-8H	1.44	0.00	0.00	0.00	0.00	0.00
EX11S52_S49	10Y-8H	10.66	-2.03	-2.26	1.51	1.51	1.51
EX11S54_11G W2	10Y-8H	1.45	0.00	0.00	0.00	0.00	0.00
EX11S54_11G W3	10Y-8H	1.45	0.00	0.00	0.00	0.00	0.00
EX11S54_S52	10Y-8H	3.73	-2.59	-2.30	0.53	0.53	0.53
EX11S57_11G W3	10Y-8H	1.45	0.00	0.00	0.00	0.00	0.00
EX11S57_S54	10Y-8H	2.57	-0.82	2.11	0.36	0.36	0.36
EX11S80_SW L11W1	10Y-8H	0.51	0.00	-0.05	0.77	0.31	0.52
EX11S86_SW L11W1	10Y-8H	1.02	0.00	-0.31	1.61	0.61	1.07
EX11S97_PN D11W1	10Y-8H	0.55	0.00	0.01	2.36	0.56	1.27
EX11S98_SW L11W2	10Y-8H	2.04	0.00	-0.08	0.74	0.67	0.71
EXCS11S102_ PND11W2	10Y-8H	3.93	0.00	0.16	4.10	5.40	4.75
EXCS11S102_ WEIR	10Y-8H	3.93	0.00	0.00	1.73	1.73	1.73
EXCS11S108_ PND11W2	10Y-8H	0.74	-0.02	0.02	0.26	0.99	0.62
EXCS11S108_ WEIR	10Y-8H	0.75	0.00	0.00	0.74	0.74	0.74
EXCS11S44_S 43	10Y-8H	16.07	0.00	-0.48	2.28	2.27	2.28
EXCS11S44_ WEIR	10Y-8H	16.07	0.00	0.03	2.19	2.19	2.19
EXCS11S83_C GCANALW	10Y-8H	2.12	0.00	0.01	3.61	3.34	3.48
EXCS11S83_ WEIR	10Y-8H	2.12	0.00	0.00	1.40	1.40	1.40
EXCS11S95_C GCANALW	10Y-8H	18.04	0.00	2.64	5.80	9.07	7.44
EXCS11S95_	10Y-8H	18.05	0.00	0.01	2.87	2.87	2.87

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
WEIR							
PND11B2_CG CANALW	10Y-8H	4.51	-0.44	0.63	4.22	1.67	2.94
EX11S104_S WL11W2	25Y-72H	1.18	-0.01	0.04	0.37	0.37	0.37
EX11S121_S122	25Y-72H	3.29	0.00	-0.09	2.68	2.68	2.68
EX11S122_11GW1	25Y-72H	3.18	0.00	0.00	0.00	0.00	0.00
EX11S123_11GW1	25Y-72H	3.18	0.00	0.00	0.00	0.00	0.00
EX11S123_S122	25Y-72H	0.41	-0.89	0.09	-0.28	-0.28	-0.28
EX11S36_PND11W1	25Y-72H	27.38	0.00	-9.81	10.75	31.97	21.36
EX11S40_PND11W1	25Y-72H	11.72	-0.01	-0.50	3.73	3.73	3.73
EX11S43_CG CANALW	25Y-72H	38.44	-0.14	-3.51	0.26	0.26	0.26
EX11S49_11GW1	25Y-72H	1.13	0.00	0.00	0.00	0.00	0.00
EX11S49_S44	25Y-72H	37.28	-0.24	-1.66	5.27	5.27	5.27
EX11S50_S52	25Y-72H	8.23	-0.03	1.49	1.68	1.68	1.68
EX11S52_11GW1	25Y-72H	1.24	0.00	0.00	0.00	0.00	0.00
EX11S52_11GW2	25Y-72H	2.29	0.00	0.00	0.00	0.00	0.00
EX11S52_S49	25Y-72H	25.13	-1.76	2.27	3.56	3.56	3.56
EX11S54_11GW2	25Y-72H	2.33	0.00	0.00	0.00	0.00	0.00
EX11S54_11GW3	25Y-72H	2.33	0.00	0.00	0.00	0.00	0.00
EX11S54_S52	25Y-72H	9.42	-2.33	2.01	1.33	1.33	1.33
EX11S57_11GW3	25Y-72H	2.34	0.00	0.00	0.00	0.00	0.00
EX11S57_S54	25Y-72H	4.64	-0.84	2.03	0.66	0.66	0.66
EX11S80_SWL11W1	25Y-72H	1.05	0.00	0.03	0.59	0.59	0.59
EX11S86_SWL11W1	25Y-72H	1.85	0.00	0.08	0.66	0.60	0.63
EX11S97_PND11W1	25Y-72H	1.17	0.00	-0.03	2.89	0.37	1.63
EX11S98_SWL11W2	25Y-72H	4.39	-0.05	0.19	1.41	1.40	1.40
EXCS11S102_PND11W2	25Y-72H	8.40	0.00	0.28	4.75	4.75	4.75
EXCS11S102_	25Y-72H	8.43	0.00	0.00	2.23	2.23	2.23

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
WEIR							
EXCS11S108_PND11W2	25Y-72H	1.76	0.00	-0.04	0.56	0.65	0.61
EXCS11S108_WEIR	25Y-72H	1.78	0.00	0.00	0.99	0.99	0.99
EXCS11S44_S43	25Y-72H	37.27	0.00	-0.48	5.27	5.27	5.27
EXCS11S44_WEIR	25Y-72H	37.28	0.00	-0.02	2.90	2.90	2.90
EXCS11S83_CGCANALW	25Y-72H	4.56	0.00	0.10	2.60	2.58	2.59
EXCS11S83_WEIR	25Y-72H	4.56	0.00	0.00	1.81	1.81	1.81
EXCS11S95_CGCANALW	25Y-72H	37.10	-0.02	-0.89	11.81	11.81	11.81
EXCS11S95_WEIR	25Y-72H	37.11	0.00	-0.01	3.64	3.64	3.64
PND11B2_CGCANALW	25Y-72H	10.68	-0.50	0.04	3.90	3.40	3.65

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
11GW1	100Y-1H	39153	0	39153
11GW1	100Y-24H	146777	2	146775
11GW1	100Y-8H	83741	6	83735
11GW1	10Y-1H	28066	0	28066
11GW1	10Y-24H	102617	4	102612
11GW1	10Y-8H	62690	10	62680
11GW1	25Y-72H	143212	4	143208

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
11GW2	100Y-1H	20655	0	20655
11GW2	100Y-24H	129224	2	129222
11GW2	100Y-8H	54531	5	54526
11GW2	10Y-1H	16455	0	16455
11GW2	10Y-24H	96546	4	96542
11GW2	10Y-8H	45444	9	45435
11GW2	25Y-72H	117495	4	117491

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
11GW3	100Y-1H	20741	0	20741
11GW3	100Y-24H	129067	2	129065
11GW3	100Y-8H	54555	5	54549
11GW3	10Y-1H	16481	0	16481
11GW3	10Y-24H	96385	4	96381
11GW3	10Y-8H	45425	9	45416
11GW3	25Y-72H	117284	4	117280

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CGCANALWEST	100Y-1H	221996	16920	205075
CGCANALWEST	100Y-24H	506674	36898	469776
CGCANALWEST	100Y-8H	442906	25531	417375
CGCANALWEST	10Y-1H	127562	17464	110098
CGCANALWEST	10Y-24H	275555	39018	236537
CGCANALWEST	10Y-8H	273199	26501	246699

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CGCANALWEST	25Y-72H	623881	34454	589426

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S104	100Y-1H	3415	3245	170
EX11S104	100Y-24H	9159	8990	170
EX11S104	100Y-8H	6513	6344	169
EX11S104	10Y-1H	2347	2178	170
EX11S104	10Y-24H	6019	5849	170
EX11S104	10Y-8H	4595	4425	170
EX11S104	25Y-72H	9524	9350	173

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S121	100Y-1H	13406	13406	0
EX11S121	100Y-24H	36370	36370	0
EX11S121	100Y-8H	25795	25795	0
EX11S121	10Y-1H	9140	9140	0
EX11S121	10Y-24H	23809	23809	0
EX11S121	10Y-8H	18082	18083	0
EX11S121	25Y-72H	37912	37822	90

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S122	100Y-1H	17924	17924	0
EX11S122	100Y-24H	48342	48342	0
EX11S122	100Y-8H	34311	34312	-1
EX11S122	10Y-1H	12247	12247	0
EX11S122	10Y-24H	31645	31645	0
EX11S122	10Y-8H	24067	24068	-1
EX11S122	25Y-72H	50335	50178	157

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S123	100Y-1H	14212	14212	0
EX11S123	100Y-24H	38269	38269	0
EX11S123	100Y-8H	27171	27170	1
EX11S123	10Y-1H	9718	9718	0
EX11S123	10Y-24H	25046	25046	0
EX11S123	10Y-8H	19061	19060	1
EX11S123	25Y-72H	39828	39747	81

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S36	100Y-1H	59950	59561	389
EX11S36	100Y-24H	162705	162705	-1
EX11S36	100Y-8H	115381	115381	0
EX11S36	10Y-1H	40883	40863	20
EX11S36	10Y-24H	106509	106509	-1
EX11S36	10Y-8H	80884	80885	-1
EX11S36	25Y-72H	169607	169438	168

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S40	100Y-1H	33507	33176	332
EX11S40	100Y-24H	90923	90647	276
EX11S40	100Y-8H	64477	64201	276
EX11S40	10Y-1H	22846	22529	317
EX11S40	10Y-24H	59520	59243	277
EX11S40	10Y-8H	45200	44924	276
EX11S40	25Y-72H	94780	94434	346

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S43	100Y-1H	94167	89339	4828
EX11S43	100Y-24H	63579	54302	9277
EX11S43	100Y-8H	139532	133351	6180
EX11S43	10Y-1H	59695	54860	4836
EX11S43	10Y-24H	15419	6146	9272
EX11S43	10Y-8H	81577	75237	6341
EX11S43	25Y-72H	114368	114366	2

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S49	100Y-1H	97392	97401	-9
EX11S49	100Y-24H	122794	123188	-394
EX11S49	100Y-8H	155460	155663	-202
EX11S49	10Y-1H	61984	61993	-9
EX11S49	10Y-24H	69795	70337	-542
EX11S49	10Y-8H	96992	97134	-142
EX11S49	25Y-72H	173012	173274	-261

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S50	100Y-1H	23651	23649	2
EX11S50	100Y-24H	64129	64298	-168
EX11S50	100Y-8H	45478	45571	-93
EX11S50	10Y-1H	16136	16135	2
EX11S50	10Y-24H	41981	42286	-304
EX11S50	10Y-8H	31886	31944	-58
EX11S50	25Y-72H	66853	67226	-373

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S52	100Y-1H	77046	77037	8
EX11S52	100Y-24H	183962	184393	-430
EX11S52	100Y-8H	137719	137525	194
EX11S52	10Y-1H	50867	50854	12
EX11S52	10Y-24H	136998	137359	-361
EX11S52	10Y-8H	95879	95844	34
EX11S52	25Y-72H	220806	220274	532

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S54	100Y-1H	40316	40310	6
EX11S54	100Y-24H	142493	141485	1008
EX11S54	100Y-8H	80639	80593	46
EX11S54	10Y-1H	27727	27721	6
EX11S54	10Y-24H	110788	109551	1238
EX11S54	10Y-8H	60572	60365	207

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S54	25Y-72H	154134	152623	1510

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S57	100Y-1H	20380	20380	-1
EX11S57	100Y-24H	65833	65811	22
EX11S57	100Y-8H	40557	40508	49
EX11S57	10Y-1H	14139	14141	-2
EX11S57	10Y-24H	48191	48176	15
EX11S57	10Y-8H	29908	29935	-27
EX11S57	25Y-72H	69887	69525	362

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S80	100Y-1H	3016	2866	149
EX11S80	100Y-24H	8155	8006	149
EX11S80	100Y-8H	5788	5639	149
EX11S80	10Y-1H	2076	1927	149
EX11S80	10Y-24H	5345	5196	149
EX11S80	10Y-8H	4077	3928	149
EX11S80	25Y-72H	8481	8332	149

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S86	100Y-1H	5310	5168	141
EX11S86	100Y-24H	14379	14238	141
EX11S86	100Y-8H	10203	10062	141
EX11S86	10Y-1H	3636	3495	141
EX11S86	10Y-24H	9421	9280	141
EX11S86	10Y-8H	7170	7029	142
EX11S86	25Y-72H	14973	14832	141

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S97	100Y-1H	3350	3350	0
EX11S97	100Y-24H	9092	9092	0
EX11S97	100Y-8H	6448	6448	0
EX11S97	10Y-1H	2285	2285	0
EX11S97	10Y-24H	5952	5952	0
EX11S97	10Y-8H	4520	4520	0
EX11S97	25Y-72H	9478	9478	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S98	100Y-1H	12539	12398	140
EX11S98	100Y-24H	33997	33858	139
EX11S98	100Y-8H	24111	23971	140
EX11S98	10Y-1H	8558	8418	140
EX11S98	10Y-24H	22264	22124	140
EX11S98	10Y-8H	16923	16783	140
EX11S98	25Y-72H	35422	35289	134

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS11S102	100Y-1H	23169	23149	20
EXCS11S102	100Y-24H	64605	64527	78
EXCS11S102	100Y-8H	45522	45482	40
EXCS11S102	10Y-1H	15486	15466	20
EXCS11S102	10Y-24H	41962	41883	79
EXCS11S102	10Y-8H	31623	31582	40
EXCS11S102	25Y-72H	67335	67329	6

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS11S108	100Y-1H	2366	2301	65
EXCS11S108	100Y-24H	11140	11001	139
EXCS11S108	100Y-8H	7048	6954	94
EXCS11S108	10Y-1H	862	798	64
EXCS11S108	10Y-24H	6294	6154	139
EXCS11S108	10Y-8H	4120	4026	94
EXCS11S108	25Y-72H	11735	11703	33

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS11S44+A	100Y-1H	90224	90230	-6
EXCS11S44+A	100Y-24H	57077	57112	-35
EXCS11S44+A	100Y-8H	135147	135140	7
EXCS11S44+A	10Y-1H	55712	55720	-8
EXCS11S44+A	10Y-24H	7323	7366	-43
EXCS11S44+A	10Y-8H	76606	76620	-14
EXCS11S44+A	25Y-72H	101418	101129	289

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS11S44+B	100Y-1H	89515	89443	72
EXCS11S44+B	100Y-24H	56395	56245	150
EXCS11S44+B	100Y-8H	134422	134327	95
EXCS11S44+B	10Y-1H	55013	54943	70
EXCS11S44+B	10Y-24H	6618	6468	149
EXCS11S44+B	10Y-8H	75883	75832	51
EXCS11S44+B	25Y-72H	100766	100789	-23

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS11S83	100Y-1H	11582	11531	50
EXCS11S83	100Y-24H	33953	33845	109
EXCS11S83	100Y-8H	23651	23570	81
EXCS11S83	10Y-1H	7432	7382	50
EXCS11S83	10Y-24H	21725	21616	109
EXCS11S83	10Y-8H	16144	16075	69
EXCS11S83	25Y-72H	35424	35433	-8

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS11S95	100Y-1H	78694	78610	84
EXCS11S95	100Y-24H	270401	270216	186
EXCS11S95	100Y-8H	182162	182011	152
EXCS11S95	10Y-1H	43162	43076	86
EXCS11S95	10Y-24H	165634	165449	185
EXCS11S95	10Y-8H	117847	117740	107

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS11S95	25Y-72H	283280	283194	86

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 11W1	100Y-1H	110324	78641	31683
POND 11W1	100Y-24H	302322	270326	31996
POND 11W1	100Y-8H	214089	182095	31994
POND 11W1	10Y-1H	75178	43102	32076
POND 11W1	10Y-24H	197548	165551	31997
POND 11W1	10Y-8H	149780	117777	32003
POND 11W1	25Y-72H	314952	283174	31779

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 11W2	100Y-1H	65307	42714	22593
POND 11W2	100Y-24H	202750	148623	54127
POND 11W2	100Y-8H	137560	104218	33343
POND 11W2	10Y-1H	44817	22458	22359
POND 11W2	10Y-24H	136798	82685	54113
POND 11W2	10Y-8H	97736	64384	33352
POND 11W2	25Y-72H	202399	191246	11153

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 11W1	100Y-1H	12796	11564	1231
SWALE 11W1	100Y-24H	35164	33935	1229
SWALE 11W1	100Y-8H	24864	23635	1229
SWALE 11W1	10Y-1H	8668	7438	1231
SWALE 11W1	10Y-24H	22934	21705	1229
SWALE 11W1	10Y-8H	17380	16151	1229
SWALE 11W1	25Y-72H	36632	35403	1229

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 11W2	100Y-1H	23931	23233	698
SWALE 11W2	100Y-24H	65339	64641	698
SWALE 11W2	100Y-8H	46264	45566	698
SWALE 11W2	10Y-1H	16247	15550	698
SWALE 11W2	10Y-24H	42696	41999	697
SWALE 11W2	10Y-8H	32389	31692	697
SWALE 11W2	25Y-72H	68084	67384	700

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 11W3	100Y-1H	3676	2276	1400
SWALE 11W3	100Y-24H	12423	11024	1400
SWALE 11W3	100Y-8H	8335	6936	1400
SWALE 11W3	10Y-1H	2169	769	1400
SWALE 11W3	10Y-24H	7576	6176	1400
SWALE 11W3	10Y-8H	5406	4007	1400
SWALE 11W3	25Y-72H	13023	11623	1400

System 12

Pre-Development Land Use Tables
Post-Development Land Use Tables
Drainage Calculations
Pre-Development Node Link Diagram
Pre-Development ICPR Input/Output

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

PRE-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 12 **SHGWT EL. (ft-NAVD): 1.53**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
12B02	**10**	**1.02**	**1.02**	1.02	0.00	0.00	**0.00**	0.00	0.00	0.00	4.90	3.37	4.95	**98.00**
12B09	**10**	**0.09**	**0.09**	0.09	0.00	0.00	**0.00**	0.00	0.00	0.00	8.10	6.57	8.18	**98.00**
12B14	**10**	**0.18**	**0.18**	0.18	0.00	0.00	**0.00**	0.00	0.00	0.00	10.30	8.77	8.18	**98.00**
12B57	**10**	**0.13**	**0.13**	0.13	0.00	0.00	**0.00**	0.00	0.00	0.00	10.10	8.57	8.18	**98.00**
12B59	**10**	**0.36**	**0.36**	0.36	0.00	0.00	**0.00**	0.00	0.00	0.00	5.20	3.67	4.95	**98.00**
12B61	**10**	**0.65**	**0.65**	0.61	0.00	0.04	**0.00**	0.00	0.00	0.00	5.10	3.57	4.95	**97.04**
12B69	**10**	**0.17**	**0.17**	0.17	0.00	0.00	**0.00**	0.00	0.00	0.00	5.60	4.07	8.18	**98.00**
12B69A	**10**	**0.10**	**0.10**	0.10	0.00	0.00	**0.00**	0.00	0.00	0.00	6.30	4.77	8.18	**98.00**
12B73	**10**	**0.15**	**0.15**	0.15	0.00	0.00	**0.00**	0.00	0.00	0.00	7.20	5.67	8.18	**98.00**
12B75	**10**	**0.42**	**0.42**	0.42	0.00	0.00	**0.00**	0.00	0.00	0.00	16.00	14.47	8.18	**98.00**
12B77	**10**	**0.26**	**0.26**	0.26	0.00	0.00	**0.00**	0.00	0.00	0.00	6.30	4.77	8.18	**98.00**
12B78	**10**	**0.24**	**0.24**	0.00	0.00	0.24	**0.00**	0.00	0.00	0.00	3.00	1.47	0.45	**95.69**
12B80	**10**	**0.94**	**0.94**	0.94	0.00	0.00	**0.00**	0.00	0.00	0.00	8.50	6.97	8.18	**98.00**
12B83	**10**	**0.20**	**0.20**	0.20	0.00	0.00	**0.00**	0.00	0.00	0.00	7.60	6.07	8.18	**98.00**
POND 12W1	**10**	**3.16**	**3.16**	0.12	0.00	3.04	**0.00**	0.00	0.00	0.00	4.00	2.47	1.88	**84.68**
POND 12W2_1	**10**	**0.62**	**0.62**	0.05	0.00	0.57	**0.00**	0.00	0.00	0.00	4.00	2.47	1.88	**85.26**
POND 12W2_2	**10**	**0.21**	**0.21**	0.21	0.00	0.00	**0.00**	0.00	0.00	0.00	8.30	6.77	8.18	**98.00**
POND 12W3	**10**	**0.78**	**0.78**	0.00	0.00	0.78	**0.00**	0.00	0.00	0.00	3.00	1.47	0.45	**95.69**
POND 12W4	**10**	**2.32**	**2.32**	0.00	1.24	1.08	**0.00**	0.00	0.00	0.00	5.00	3.47	4.95	**81.27**
SWALE 12W1A	**10**	**0.49**	**0.49**	0.00	0.00	0.49	**0.00**	0.00	0.00	0.00	3.00	1.47	0.45	**95.69**
SWALE 12W1B	**10**	**0.28**	**0.28**	0.00	0.00	0.28	**0.00**	0.00	0.00	0.00	3.00	1.47	0.45	**95.69**
SYSTEM TOTALS		**12.77**	**12.77**	**5.01**	**1.24**	**6.52**	**0.00**	**0.00**	**0.00**	**0.00**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 12 **SHGWT EL. (ft-NAVD): 1.53**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
12B02	**10**	**1.99**	**1.99**	1.99	0.00	0.00	**0.00**	0.00	0.00	0.00	4.90	3.37	4.95	**98.00**
12B09	**10**	**0.09**	**0.09**	0.09	0.00	0.00	**0.00**	0.00	0.00	0.00	8.10	6.57	8.18	**98.00**
12B14	**10**	**0.18**	**0.18**	0.18	0.00	0.00	**0.00**	0.00	0.00	0.00	10.30	8.77	8.18	**98.00**
12B57	**10**	**0.13**	**0.13**	0.13	0.00	0.00	**0.00**	0.00	0.00	0.00	10.10	8.57	8.18	**98.00**
12B59	**10**	**0.36**	**0.36**	0.36	0.00	0.00	**0.00**	0.00	0.00	0.00	5.20	3.67	4.95	**98.00**
12B61	**10**	**0.11**	**0.11**	0.11	0.00	0.00	**0.00**	0.00	0.00	0.00	5.10	3.57	4.95	**98.00**
12B69	**10**	**0.15**	**0.15**	0.15	0.00	0.00	**0.00**	0.00	0.00	0.00	5.60	4.07	8.18	**98.00**
12B69A	**10**	**0.34**	**0.34**	0.34	0.00	0.00	**0.00**	0.00	0.00	0.00	6.30	4.77	8.18	**98.00**
12B70	**10**	**0.67**	**0.67**	0.67	0.00	0.00	**0.00**	0.00	0.00	0.00	6.00	4.47	8.18	**98.00**
12B71	**10**	**0.27**	**0.27**	0.17	0.00	0.10	**0.00**	0.00	0.00	0.00	5.50	3.97	4.95	**84.51**
12B73	**10**	**0.15**	**0.15**	0.15	0.00	0.00	**0.00**	0.00	0.00	0.00	7.20	5.67	8.18	**98.00**
12B75	**10**	**0.41**	**0.41**	0.41	0.00	0.00	**0.00**	0.00	0.00	0.00	16.00	14.47	8.18	**98.00**
12B77	**10**	**0.14**	**0.14**	0.14	0.00	0.00	**0.00**	0.00	0.00	0.00	6.30	4.77	8.18	**98.00**
12B78	**10**	**0.24**	**0.24**	0.00	0.00	0.24	**0.00**	0.00	0.00	0.00	3.00	1.47	0.45	**95.69**
12B80	**10**	**0.95**	**0.95**	0.95	0.00	0.00	**0.00**	0.00	0.00	0.00	8.50	6.97	8.18	**98.00**
12B83	**10**	**0.18**	**0.18**	0.18	0.00	0.00	**0.00**	0.00	0.00	0.00	7.60	6.07	8.18	**98.00**
POND 12W1	**10**	**3.22**	**3.22**	0.12	0.80	2.30	**0.00**	0.00	0.00	0.00	4.00	2.47	1.88	**88.16**
POND 12W4	**10**	**3.06**	**3.06**	0.00	1.43	1.63	**0.00**	0.00	0.00	0.00	5.00	3.47	4.95	**79.13**
SWALE 12W1A	**10**	**0.49**	**0.49**	0.00	0.00	0.49	**0.00**	0.00	0.00	0.00	3.00	1.47	0.45	**95.69**
SWALE 12W1B	**10**	**0.28**	**0.28**	0.00	0.00	0.28	**0.00**	0.00	0.00	0.00	3.00	1.47	0.45	**95.69**
PRCS12S100 TOTALS		**13.41**	**13.41**	6.14	2.23	5.04	**0.00**	0.00	0.00	0.00	-	-	-	**-**
SYSTEM TOTALS		**13.41**	**13.41**	**6.14**	**2.23**	**5.04**	**0.00**	**0.00**	**0.00**	**0.00**	**--**	**--**	**--**	**--**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY SUMMARY

Drainage System: ***10, 11, 12, 13***

SYSTEM - CONTROL STRUCTURE	SHGWT EL. (ft-NAVD)	TOTAL ONSITE AREA (Ac.) *[POST-DEV.]*	ONSITE IMPERVIOUS AREA (Ac.) *[POST-DEV.]*	ONSITE PERVIOUS AREA (Ac.) *[POST-DEV.]*	SFWMD 1" OVER TOTAL ONSITE AREA (Ac-ft)	SFWMD 2.5" OVER IMPERVIOUS AREA (Ac-ft)	[1] SFWMD WATER QUALITY TREATMENT REQUIRED FOR RETENTION	[2]DRER WATER QUALITY TREATMENT REQUIRED (Ac-ft)	[3]DRY- / WET-RETENTION TREATMENT VOLUME PROVIDED (Ac-ft)	FRENCH DRAIN TREATMENT VOLUME PROVIDED (Ac-ft)	TOTAL TREATMENT VOLUME PROVIDED (Ac-ft)	SFWMD SURPLUS TREATMENT VOLUME PROVIDED (Ac-ft)
10 - EXCS10S69	1.53	1.39	0.40	0.99	0.12	0.08	**0.12**	0.14	0.88	0.00	**0.88**	**0.76**
10 - PRCS10S116	1.53	4.36	3.84	0.52	0.36	0.80	**0.80**	0.59	0.77	0.27	**1.04**	**0.24**
10 - [3]PRCS10S72	1.53	19.67	16.55	3.12	1.64	3.45	**3.45**	2.62	2.49	1.25	**3.74**	**0.29**
11 - PRCS11S100	1.53	22.70	19.44	1.92	1.89	4.05	**4.05**	3.12	6.46	0.90	**7.36**	**3.31**
12 - PRCS12S100	1.53	13.41	6.14	5.04	1.12	1.28	**1.28**	1.63	9.47	0.00	**9.47**	**7.83**
13 - PRCS13S104	1.53	23.65	16.96	4.25	1.97	3.53	**3.53**	3.13	10.52	0.17	**10.69**	**7.15**
TOTALS	1.53	85.18	63.33	15.84	7.10	13.19	**13.19**	11.24	30.58	2.59	**33.17**	**19.98**

[1] 2.5" over Additional Impervious Area.

[2] See next page for water quality calculations by Miami-Dade Department of Regulatory and Economic Resources (DRER).

[3] Multiplied by 2 to account for 50% retention volume credit.

EXCS10S69

Pond 10E1			Pond 10E2			Swale 10E1		
TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.53	0.13	--	2.53	0.10	--	2.53	0.11	--
2.93	0.14	0.05	2.93	0.11	0.04	***3.68***	***0.14***	***0.14***
3.43	0.15	0.13	3.43	0.12	0.10	5.93	0.20	0.53
3.68	***0.16***	***0.16***	***3.68***	***0.13***	***0.13***			
3.93	0.16	0.20	3.93	0.14	0.16			
4.43	0.17	0.29	4.43	0.15	0.24			
4.93	0.18	0.37	4.93	0.16	0.31			

PRCS10S116

Pond 10E4		
TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.53	0.17	--
4.50	***0.22***	***0.38***
5.93	0.29	0.75

PRCS10S72

Pond 10E3			Swale 10W5			Swale 10W6			Pond 10W7		
TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.53	0.47	--	2.53	0.01	--	2.53	0.07	--	2.53	0.63	--
3.50	***0.51***	***0.48***	***3.50***	***0.01***	***0.01***	***3.50***	***0.11***	***0.09***	***3.50***	***0.75***	***0.67***
5.43	0.53	1.48	5.50	0.02	0.04	5.50	0.20	0.40	5.50	1.01	2.44

PRCS11S100

Pond 11W1			Pond 11W2			Swale 11W2		
TYPE:	Dry Retention		TYPE:	Wet Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.53	0.43	--	1.53	1.34	--	2.53	0.00	--
3.50	***0.43***	***0.42***	3.43	1.50	2.70	2.93	0.00	0.00
9.43	0.46	3.07	***3.50***	***1.51***	***2.80***	3.43	0.01	0.00
			7.43	1.80	9.30	***3.50***	***0.01***	***0.01***
						4.43	0.03	0.03
						5.43	0.06	0.07
						6.43	0.09	0.15

PRCS12S100

Pond 12W1			Pond 12W4		
TYPE:	Wet Retention		TYPE:	Wet Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
1.53	0.80	--	1.53	1.43	--
3.50	***0.97***	***1.74***	***3.50***	***1.61***	***2.99***
6.50	1.22	5.02	6.50	1.88	8.23

PRCS13S104

Pond 13E1			Pond 13E3		
TYPE:	Wet Retention		TYPE:	Wet Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
1.53	0.81	--	1.53	1.63	--
3.50	***1.00***	***1.78***	***3.50***	***1.90***	***3.48***
6.50	1.28	5.19	6.50	2.32	9.82

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY CALCULATIONS BY DRER

Drainage System: 12

AREA (PRCS12S100):

Onsite Impervious	**6.14**	Ac.	46%
Onsite Pervious	**5.04**	Ac.	38%
Onsite Water Surface	**2.23**	Ac.	17%
Total Area	**13.41**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*
	Cws. =	*90*	*0.90*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.67 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV} + Aws \times Cws) / A_T = \mathbf{0.67}$$

$t_{1"}$ = 14.31 min.

TOTAL TIME OF CONCENTRATION (T_T)

$T_T = t_{1"} + Tc =$ 24.31 min.

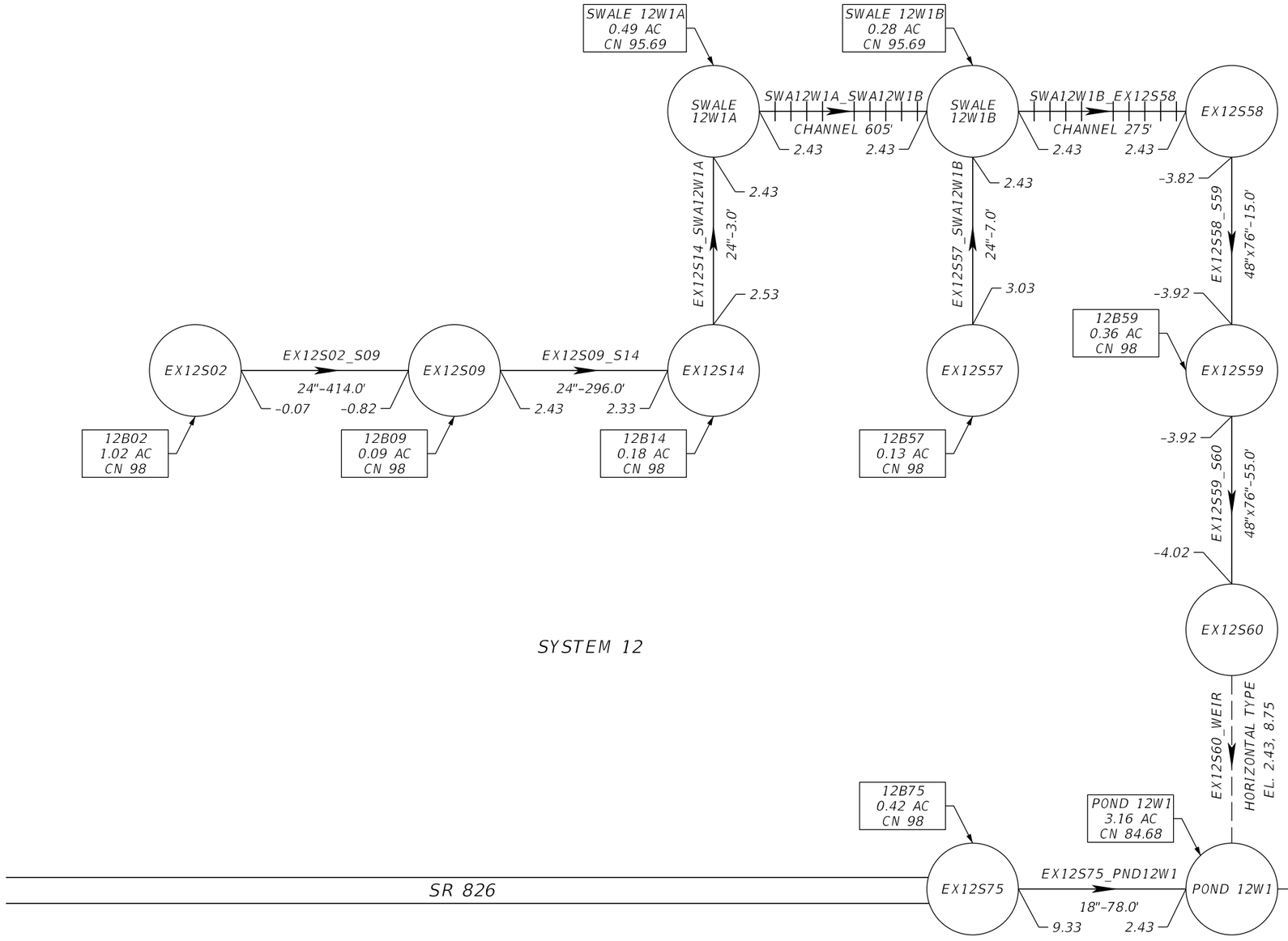
STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.39 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ Q_{1"}\ T_T =$ **71087.58** ft^3 = **1.63** **ac.-ft.**



SYSTEM 12

SR 90 (SW 8TH ST)

MATCHLINE A-A

LEGEND

B-### #.## AC CN ##.# — CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER	NODE NAME — BOUNDARY NODE WITH CONSTANT TAILWATER	###-### ##"-###' #.## #.## — EXFILTRATION TRENCH LINK WITH SIZE-LENGTH INVERT ELEVATION	####_WEIR VERTICAL TYPE EL. #.##, ## — WEIR LINK WITH WEIR TYPE ELEVATION, WIDTH	###### CHANNEL ###' #.## #.## — CHANNEL LINK WITH LENGTH INVERT ELEVATION
#-### — NODE NAME	PATRICIA LAKE — BOUNDARY NODE WITH VARIABLE TAILWATER	###-### (#)##"-###' #.## #.## — PIPE LINK WITH (QUANTITY)SIZE-LENGTH INVERT ELEVATION	##_## — RATING CURVE LINK	

N.T.S.

1 OF 2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

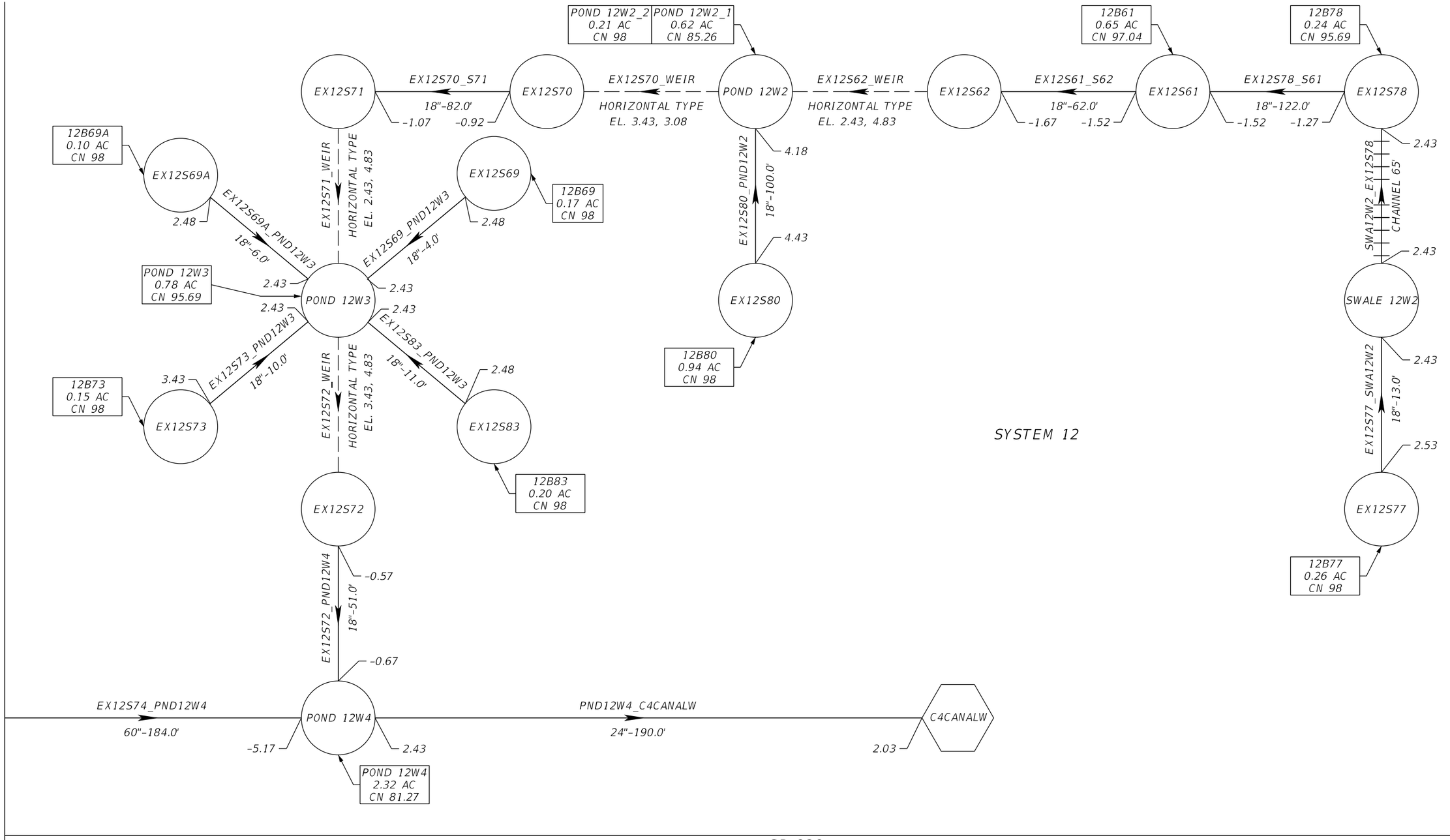
AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-1



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-2

Simple Basin: 12B02

Scenario:	Scenario1
Node:	EX12S02
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B09

Scenario:	Scenario1
Node:	EX12S09
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B14

Scenario:	Scenario1
Node:	EX12S14
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B57

Scenario:	Scenario1
Node:	EX12S57
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B59

Scenario:	Scenario1
Node:	EX12S59
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B61

Scenario:	Scenario1
Node:	EX12S61
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6500 ac
Curve Number:	97.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B69

Scenario:	Scenario1
Node:	EX12S69
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B69A

Scenario:	Scenario1
Node:	EX12S69A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B73

Scenario:	Scenario1
Node:	EX12S73
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B75

Scenario:	Scenario1
Node:	EX12S75
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B77

Scenario:	Scenario1
Node:	EX12S77
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B78

Scenario:	Scenario1
Node:	EX12S78
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2400 ac
Curve Number:	95.7
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B80

Scenario:	Scenario1
Node:	EX12S80
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B83

Scenario:	Scenario1
Node:	EX12S83
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 12W1

Scenario:	Scenario1
Node:	POND 12W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.1600 ac
Curve Number:	84.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 12W2_1

Scenario:	Scenario1
Node:	POND 12W2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6200 ac
Curve Number:	85.3
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 12W2_2

Scenario:	Scenario1
Node:	POND 12W2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 12W3

Scenario:	Scenario1
Node:	POND 12W3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7800 ac
Curve Number:	95.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 12W4

Scenario:	Scenario1
Node:	POND 12W4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.3200 ac
Curve Number:	81.3
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: SWALE 12W1A

Scenario:	Scenario1
Node:	SWALE 12W1A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4900 ac
Curve Number:	95.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: SWALE 12W1B

Scenario:	Scenario1
Node:	SWALE 12W1B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2800 ac
Curve Number:	95.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Node: C4CANALW

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 3.43 ft
Boundary Stage: VARIABLE C4 CANAL

Comment:

Node: EX12S02

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 4.92 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.62	0.0007	29
4.92	0.0007	29
4.93	0.0067	294

Comment: FROM FPID NO. 249649-1-52-01

Node: EX12S09

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 8.09 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.82	0.0008	37
8.09	0.0008	37
8.10	0.0084	367

Comment: FROM FPID NO. 249649-1-52-01

Node: EX12S14

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 2.33 ft
Warning Stage: 10.32 ft

Stage [ft]	Area [ac]	Area [ft2]
0.33	0.0004	16
10.32	0.0004	16
10.33	0.0037	160

Comment: FROM FPID NO. 249649-1-52-01

Node: EX12S57

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.03 ft
Warning Stage: 10.11 ft

Stage [ft]	Area [ac]	Area [ft2]
1.03	0.0011	50
10.11	0.0011	50
10.12	0.0114	498

Comment: FROM FPID NO. 249649-1-52-01

Node: EX12S58

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 4.93 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.32	0.0014	61
2.43	0.0014	61
2.44	0.0141	614

Comment: WARNING STAGE TAKEN AT TOP OF DITCH. GRATE ELEVATION AT 2.43.

FROM FPID NO. 249649-1-52-01

Node: EX12S59

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.20 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.92	0.0007	32
5.20	0.0007	32
5.21	0.0075	325

Comment: FROM FPID NO. 249649-1-52-01

Node: EX12S60

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.20 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.52	0.0014	61
2.43	0.0014	61
2.44	0.0141	614

Comment: WARNING STAGE TAKEN AT TOP OF DITCH. GRATE ELEVATION AT 2.43.

FROM FPID NO. 249649-1-52-01

Node: EX12S61

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.12 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.52	0.0011	50
5.12	0.0011	50
5.13	0.0114	498

Comment: FROM FPID NO. 249649-1-52-01

Node: EX12S62

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.67	0.0006	24
2.43	0.0006	24
2.44	0.0056	242

Comment: WARNING STAGE TAKEN AT TOP OF DITCH. GRATE ELEVATION AT 2.43.

FROM FPID NO. 249649-1-52-01

Node: EX12S69

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.48 ft
Warning Stage: 5.56 ft

Stage [ft]	Area [ac]	Area [ft2]
0.48	0.0003	12
5.56	0.0003	12
5.57	0.0027	117

Comment: FROM FPID NO. 249649-1-52-01

Node: EX12S69A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.48 ft
Warning Stage: 6.34 ft

Stage [ft]	Area [ac]	Area [ft2]
0.48	0.0003	12
6.34	0.0003	12
6.35	0.0027	117

Comment: FROM FPID NO. 249649-1-52-01

Node: EX12S70

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.92	0.0001	6
3.43	0.0001	6
3.44	0.0014	62

Comment: WARNING STAGE SAME AS WARNING STAGE FROM POND 12W2.

FROM FPID NO. 249649-1-52-01

Node: EX12S71

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.93 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.82	0.0006	24
2.43	0.0006	24
2.44	0.0055	242

Comment: WARNING STAGE TAKEN AT TOP OF DITCH. GRATE ELEVATION AT 2.43.

FROM FPID NO. 249649-1-52-01

Node: EX12S72

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 4.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.07	0.0006	24
3.43	0.0006	24
3.44	0.0055	242

Comment: WARNING STAGE TAKEN AT TOP OF DITCH. GRATE ELEVATION AT 3.43.

FROM FPID NO. 249649-1-52-01

Node: EX12S73

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.43 ft
Warning Stage: 7.23 ft

Stage [ft]	Area [ac]	Area [ft2]
1.43	0.0003	12
7.23	0.0003	12
7.24	0.0027	117

Comment: FROM FPID NO. 249649-1-52-01

Node: EX12S74

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 17.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-8.57	0.0012	54
3.43	0.0012	54
3.44	0.0123	537

Comment: WARNING STAGE TAKEN AT TOP OF DITCH. GRATE ELEVATION AT 3.43.

FROM FPID NO. 249649-1-52-01

Node: EX12S75

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.33 ft
Warning Stage: 15.96 ft

Stage [ft]	Area [ac]	Area [ft2]
7.33	0.0003	12

Stage [ft]	Area [ac]	Area [ft2]
15.96	0.0003	12
15.97	0.0027	117

Comment: FROM FPID NO. 249649-1-52-01

Node: EX12S77

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.53 ft
Warning Stage: 6.27 ft

Stage [ft]	Area [ac]	Area [ft2]
0.53	0.0003	14
6.27	0.0003	14
6.28	0.0032	140

Comment: FROM FPID NO. 249649-1-52-01

Node: EX12S78

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 4.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.82	0.0006	24
2.43	0.0006	24
2.44	0.0056	242

Comment: WARNING STAGE TAKEN AT TOP OF DITCH. GRATE ELEVATION AT 2.43.

FROM FPID NO. 249649-1-52-01

Node: EX12S80

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.43 ft
Warning Stage: 8.53 ft

Stage [ft]	Area [ac]	Area [ft2]
1.43	0.0003	14
8.53	0.0003	14
8.54	0.0032	140

Comment: FROM FPID NO. 249649-1-52-01

Node: EX12S83

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.48 ft
Warning Stage: 7.55 ft

Stage [ft]	Area [ac]	Area [ft2]
0.48	0.0003	14
7.55	0.0003	14
7.56	0.0032	140

Comment: FROM FPID NO. 249649-1-52-01

Node: POND 12W1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.7600	33106
3.00	1.1500	50094
4.00	1.2500	54450
5.00	1.3600	59242

Comment: FROM FPID NO. 249649-1-52-01

Node: POND 12W2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft

Warning Stage: 5.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.1900	8276
3.00	0.2000	8712
4.00	0.2500	10890
5.00	0.2900	12632

Comment: FROM FPID NO. 249649-1-52-01

Node: POND 12W3

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 4.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.3500	15246
3.00	0.4000	17424
4.00	0.4800	20909
4.43	0.5300	23087

Comment: FROM FPID NO. 249649-1-52-01

Node: POND 12W4

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 4.43 ft

Stage [ft]	Area [ac]	Area [ft2]
1.43	1.2400	54014
4.43	1.3700	59677
5.43	1.8200	79279

Comment: FROM FPID NO. 249649-1-52-01

Node: SWALE 12W1A

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 4.28 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.1500	6534
4.28	0.3200	13939

Comment: FROM FPID NO. 249649-1-52-01

Node: SWALE 12W1B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 3.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.0600	2614
3.43	0.1400	6098

Comment: FROM FPID NO. 249649-1-52-01

Node: SWALE 12W2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 4.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.0300	1307
4.43	0.1000	4356

Comment: FROM FPID NO. 249649-1-52-01

Pipe Link: EX12S02_S09

Scenario: Scenario1
From Node: EX12S02
To Node: EX12S09
Link Count: 1
Flow Direction: Both

Upstream	Downstream
Invert: -0.07 ft	Invert: -0.82 ft
Manning's N: 0.0120	Manning's N: 0.0120
Geometry: Circular	Geometry: Circular
Max Depth: 2.00 ft	Max Depth: 2.00 ft
Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	414.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX12S09_S14		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.43 ft	Invert:	2.33 ft
From Node:	EX12S09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX12S14	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	296.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX12S14_SWA12W1A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.53 ft	Invert:	2.43 ft
From Node:	EX12S14	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 12W1A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	3.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX12S57_SWA12W1B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.03 ft	Invert:	2.43 ft
From Node:	EX12S57	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 12W1B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	7.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX12S58_S59		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-3.82 ft	Invert:	-3.92 ft
From Node:	EX12S58	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX12S59	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX12S59_S60		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-3.92 ft	Invert:	-4.02 ft
From Node:	EX12S59	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX12S60	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	55.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX12S60_WEIR

Scenario:	Scenario1	**Bottom Clip**	
From Node:	EX12S60	Default:	0.00 ft
To Node:	POND 12W1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.43 ft	**Discharge Coefficients**	
Control Elevation:	2.43 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	8.75 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EX12S61_S62

		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-1.52 ft	Invert:	-1.67 ft
From Node:	EX12S61	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX12S62	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	62.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX12S62_WEIR

Scenario:	Scenario1	**Bottom Clip**	
From Node:	EX12S62	Default:	0.00 ft

To Node:	POND 12W2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.43 ft
Control Elevation:	2.43 ft
Max Depth:	4.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: EX12S69A_PND12W3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.48 ft	Invert:	2.43 ft
From Node:	EX12S69A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 12W3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	6.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX12S69_PND12W3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.48 ft	Invert:	2.43 ft
From Node:	EX12S69	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 12W3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	4.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX12S70_S71		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.92 ft	Invert:	-1.07 ft
From Node:	EX12S70	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX12S71	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	82.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX12S70_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	POND 12W2	Default:	0.00 ft
To Node:	EX12S70	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.43 ft	Discharge Coefficients	
Control Elevation:	3.43 ft	Weir Default:	2.800
Max Depth:	2.00 ft	Weir Table:	
Max Width:	3.08 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Weir Link: EX12S71_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	EX12S71	Default:	0.00 ft
To Node:	POND 12W3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.43 ft
Control Elevation:	2.43 ft
Max Depth:	4.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: EX12S72_PND12W4

Scenario:	Scenario1
From Node:	EX12S72
To Node:	POND 12W4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	51.00 ft
FHWA Code:	0
Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 ft
Energy Switch:	Energy

Upstream	
Invert:	-0.57 ft
Manning's N:	0.0120
Geometry: Circular	
Max Depth:	1.50 ft
Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Downstream	
Invert:	-0.67 ft
Manning's N:	0.0120
Geometry: Circular	
Max Depth:	1.50 ft
Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Comment:

Weir Link: EX12S72_WEIR

Scenario:	Scenario1
From Node:	POND 12W3
To Node:	EX12S72
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	3.43 ft
Control Elevation:	3.43 ft
Max Depth:	4.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: EX12S73_PND12W3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.43 ft	Invert:	2.43 ft
From Node:	EX12S73	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 12W3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX12S74_PND12W4		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-5.07 ft	Invert:	-5.17 ft
From Node:	EX12S74	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 12W4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	184.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX12S74_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	POND 12W1	Default:	0.00 ft
To Node:	EX12S74	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.43 ft	Discharge Coefficients	
Control Elevation:	3.43 ft	Weir Default:	2.800

Max Depth:	3.00 ft		
Max Width:	6.58 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Pipe Link: EX12S75_PND12W1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	9.33 ft	Invert:	2.43 ft
From Node:	EX12S75	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 12W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	78.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX12S77_SWA12W2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.53 ft	Invert:	2.43 ft
From Node:	EX12S77	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 12W2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	13.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX12S78_S61		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-1.27 ft	Invert:	-1.52 ft

From Node:	EX12S78	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX12S61	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX12S80_PND12W2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.43 ft	Invert:	4.18 ft
From Node:	EX12S80	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 12W2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	100.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX12S83_PND12W3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.48 ft	Invert:	2.43 ft
From Node:	EX12S83	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 12W3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PND12W4_C4CANALW		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.43 ft	Invert:	2.03 ft
From Node:	POND 12W4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	C4CANALW	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	190.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: SWA12W1A_SWA12W1B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.43 ft	Invert:	2.43 ft
From Node:	SWALE 12W1A	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	SWALE 12W1B	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.85 ft	Max Depth:	1.85 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	10.00 ft	Bottom Width:	10.00 ft
Length:	605.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	2.000 (h:v)	Right Slope:	2.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: MANNING'S N DERIVED FROM CHOW, 2010

Channel Link: SWA12W1B_EX12S58		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.43 ft	Invert:	2.43 ft
From Node:	SWALE 12W1B	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	EX12S58	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	10.00 ft	Bottom Width:	10.00 ft
Length:	275.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	2.000 (h:v)	Right Slope:	2.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: MANNING'S N DERIVED FROM CHOW, 2010

Channel Link: SWA12W2_EX12S78		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.43 ft	Invert:	2.43 ft
From Node:	SWALE 12W2	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	EX12S78	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	65.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: MANNING'S N DERIVED FROM CHOW, 2010

Boundary Stage: VARIABLE C4 CANAL	
Boundary Stage Set:	100Y-1H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	60.5000	2.43
0	0	0	72.0000	2.43
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE C4 CANAL

Boundary Stage Set: 100Y-24H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	60.5000	2.43
0	0	0	72.0000	2.43
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE C4 CANAL

Boundary Stage Set: 100Y-8H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	60.5000	2.43
0	0	0	72.0000	2.43
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE C4 CANAL

Boundary Stage Set: 10Y-1H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	60.5000	2.43
0	0	0	72.0000	2.43
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE C4 CANAL

Boundary Stage Set: 10Y-24H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	60.5000	2.43
0	0	0	72.0000	2.43
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE C4 CANAL

Boundary Stage Set: 10Y-8H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	60.5000	2.43
0	0	0	72.0000	2.43
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE C4 CANAL

Boundary Stage Set: 25Y-72H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	60.5000	2.43
0	0	0	72.0000	2.43
0	0	0	96.0000	1.43

Comment:

Simulation: 100Y-1H

Scenario: Scenario1
Run Date/Time: 8/16/2019 2:21:48 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

Year	Month	Day	Hour [hr]

Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 100Y-1H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
IA Recovery Time: 24.0000 hr
ET for Manual Basins: False

dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	5.10 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100Y-24H

Scenario: Scenario1
Run Date/Time: 8/16/2019 2:21:56 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 100Y-24H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	13.44 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100Y-8H

Scenario: Scenario1
Run Date/Time: 8/16/2019 2:22:17 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 100Y-8H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
IA Recovery Time: 24.0000 hr
ET for Manual Basins: False

Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	9.60 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-1H

Scenario: Scenario1
Run Date/Time: 8/16/2019 2:22:31 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 10Y-1H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 3.55 in
Storm Duration: 1.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 10Y-24H

Scenario: Scenario1
Run Date/Time: 8/16/2019 2:22:39 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 10Y-24H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	8.88 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-8H

Scenario: Scenario1
Run Date/Time: 8/16/2019 2:22:58 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 10Y-8H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-8
Rainfall Amount: 6.80 in
Storm Duration: 8.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 25Y-72H

Scenario: Scenario1
Run Date/Time: 8/16/2019 2:23:08 PM

Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	30.0000
0	0	0	55.0000	15.0000
0	0	0	65.0000	30.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	30.0000
0	0	0	55.0000	15.0000
0	0	0	65.0000	30.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 25Y-72H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:

Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	14.00 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
C4CANALW	100Y-1H	3.43	1.70	0.0000	1.09	0.00	0
EX12S02	100Y-1H	4.92	4.63	0.0093	10.85	7.99	123
EX12S09	100Y-1H	8.09	4.20	0.0096	8.69	10.85	341
EX12S14	100Y-1H	10.32	3.67	0.0006	10.09	10.09	314
EX12S57	100Y-1H	10.11	3.60	0.0002	1.02	1.02	113
EX12S58	100Y-1H	4.93	3.60	0.0013	5.74	16.91	2794
EX12S59	100Y-1H	5.20	3.60	0.0052	18.29	13.64	113
EX12S60	100Y-1H	5.20	3.60	0.0009	13.64	8.56	618
EX12S61	100Y-1H	5.12	4.47	0.0010	5.03	4.90	113
EX12S62	100Y-1H	5.43	4.41	0.0010	4.39	4.24	243
EX12S69	100Y-1H	5.56	3.82	0.0006	1.33	1.58	113
EX12S69A	100Y-1H	6.34	3.82	0.0004	0.78	1.36	113
EX12S70	100Y-1H	5.00	4.32	0.0007	9.01	8.91	113
EX12S71	100Y-1H	5.93	3.84	0.0008	8.91	8.68	243
EX12S72	100Y-1H	4.43	2.88	0.0002	12.40	12.36	113
EX12S73	100Y-1H	7.23	3.84	0.0002	1.18	1.18	113
EX12S74	100Y-1H	17.43	2.88	0.0016	3.52	6.91	113
EX12S75	100Y-1H	15.96	10.02	0.0004	3.29	3.29	113
EX12S77	100Y-1H	6.27	4.49	0.0010	2.04	5.04	113
EX12S78	100Y-1H	4.43	4.49	0.0010	3.81	2.96	808
EX12S80	100Y-1H	8.53	5.90	0.0009	7.37	7.38	164
EX12S83	100Y-1H	7.55	3.82	0.0003	1.57	1.56	113
POND 12W1	100Y-1H	5.00	3.59	0.0001	25.02	3.52	52729
POND 12W2	100Y-1H	5.00	4.40	0.0002	16.27	9.01	11668
POND 12W3	100Y-1H	4.43	3.82	0.0002	18.34	12.40	20289
POND 12W4	100Y-1H	4.43	2.88	0.0001	18.58	1.09	57069
SWALE 12W1A	100Y-1H	4.28	3.63	0.0001	13.79	7.19	16150
SWALE 12W1B	100Y-1H	3.43	3.60	0.0001	9.61	5.01	13086
SWALE 12W2	100Y-1H	4.43	4.49	0.0002	7.98	1.72	4921
C4CANALW	100Y-24H	3.43	2.06	0.0001	9.04	0.00	0
EX12S02	100Y-24H	4.92	3.87	0.0093	10.85	1.38	123
EX12S09	100Y-24H	8.09	3.86	0.0096	1.50	10.85	341
EX12S14	100Y-24H	10.32	3.86	0.0006	1.74	2.00	315
EX12S57	100Y-24H	10.11	3.85	0.0001	0.18	0.20	113
EX12S58	100Y-24H	4.93	3.85	0.0010	6.02	10.02	2967
EX12S59	100Y-24H	5.20	3.85	0.0044	10.50	9.52	113
EX12S60	100Y-24H	5.20	3.85	0.0010	9.52	8.32	618
EX12S61	100Y-24H	5.12	3.94	0.0010	1.47	1.44	113
EX12S62	100Y-24H	5.43	3.94	0.0010	1.44	1.44	243
EX12S69	100Y-24H	5.56	3.88	0.0006	0.23	0.85	113
EX12S69A	100Y-24H	6.34	3.88	0.0004	0.14	0.52	113
EX12S70	100Y-24H	5.00	3.91	0.0009	3.54	3.54	113
EX12S71	100Y-24H	5.93	3.88	0.0009	3.54	3.53	243
EX12S72	100Y-24H	4.43	3.86	0.0001	5.09	5.07	242

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX12S73	100Y-24H	7.23	3.88	0.0001	0.20	0.20	113
EX12S74	100Y-24H	17.43	3.82	0.0017	6.66	11.57	546
EX12S75	100Y-24H	15.96	9.61	0.0001	0.57	0.57	113
EX12S77	100Y-24H	6.27	3.95	0.0009	0.35	1.05	113
EX12S78	100Y-24H	4.43	3.94	0.0010	0.59	0.60	701
EX12S80	100Y-24H	8.53	4.94	0.0003	1.27	1.27	153
EX12S83	100Y-24H	7.55	3.88	0.0002	0.27	0.31	113
POND 12W1	100Y-24H	5.00	3.84	0.0000	8.14	6.66	53814
POND 12W2	100Y-24H	5.00	3.93	0.0001	3.78	3.54	10742
POND 12W3	100Y-24H	4.43	3.87	0.0000	5.71	5.09	20476
POND 12W4	100Y-24H	4.43	3.82	0.0000	19.29	9.04	58896
SWALE 12W1A	100Y-24H	4.28	3.86	0.0000	2.65	2.12	17427
SWALE 12W1B	100Y-24H	3.43	3.85	0.0000	2.69	2.53	13636
SWALE 12W2	100Y-24H	4.43	3.94	0.0001	1.05	0.30	4073
C4CANALW	100Y-8H	3.43	1.84	0.0001	9.73	0.00	0
EX12S02	100Y-8H	4.92	4.03	0.0093	10.85	4.12	123
EX12S09	100Y-8H	8.09	3.93	0.0096	4.48	10.85	341
EX12S14	100Y-8H	10.32	3.92	0.0005	5.17	5.12	315
EX12S57	100Y-8H	10.11	3.91	0.0001	0.53	0.51	113
EX12S58	100Y-8H	4.93	3.91	0.0016	6.61	15.75	3008
EX12S59	100Y-8H	5.20	3.91	0.0058	16.37	12.61	113
EX12S60	100Y-8H	5.20	3.91	0.0010	12.61	8.50	618
EX12S61	100Y-8H	5.12	4.54	0.0009	3.61	3.60	113
EX12S62	100Y-8H	5.43	4.48	0.0010	3.60	3.56	243
EX12S69	100Y-8H	5.56	4.02	0.0005	0.69	1.74	113
EX12S69A	100Y-8H	6.34	4.02	0.0004	0.41	1.13	113
EX12S70	100Y-8H	5.00	4.38	0.0007	8.93	8.93	113
EX12S71	100Y-8H	5.93	4.03	0.0007	8.93	8.93	243
EX12S72	100Y-8H	4.43	3.99	0.0001	13.83	13.75	242
EX12S73	100Y-8H	7.23	4.02	0.0001	0.61	0.61	113
EX12S74	100Y-8H	17.43	3.89	0.0015	12.82	13.59	546
EX12S75	100Y-8H	15.96	9.82	0.0003	1.70	1.70	113
EX12S77	100Y-8H	6.27	4.57	0.0005	1.05	1.46	113
EX12S78	100Y-8H	4.43	4.56	0.0009	1.71	1.82	822
EX12S80	100Y-8H	8.53	5.35	0.0007	3.81	3.81	164
EX12S83	100Y-8H	7.55	4.02	0.0004	0.81	0.90	113
POND 12W1	100Y-8H	5.00	3.91	0.0001	18.21	12.82	54077
POND 12W2	100Y-8H	5.00	4.48	0.0001	10.55	8.93	11793
POND 12W3	100Y-8H	4.43	4.02	0.0001	14.45	13.83	21019
POND 12W4	100Y-8H	4.43	3.88	0.0001	35.72	9.73	59018
SWALE 12W1A	100Y-8H	4.28	3.92	0.0001	7.09	4.23	17758
SWALE 12W1B	100Y-8H	3.43	3.91	0.0001	5.71	4.83	13768
SWALE 12W2	100Y-8H	4.43	4.56	0.0001	1.46	1.22	4935

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
C4CANALW	10Y-1H	3.43	1.84	0.0001	0.00	0.00	0
EX12S02	10Y-1H	4.92	4.06	0.0093	10.85	5.49	123
EX12S09	10Y-1H	8.09	3.85	0.0096	5.97	10.85	341
EX12S14	10Y-1H	10.32	3.46	0.0006	6.93	6.93	315
EX12S57	10Y-1H	10.11	3.32	0.0002	0.70	0.70	113
EX12S58	10Y-1H	4.93	3.26	0.0010	5.37	11.54	2563
EX12S59	10Y-1H	5.20	3.26	0.0047	12.09	10.44	113
EX12S60	10Y-1H	5.20	3.26	0.0010	10.44	4.14	618
EX12S61	10Y-1H	5.12	3.96	0.0010	3.43	3.31	113
EX12S62	10Y-1H	5.43	3.93	0.0010	3.18	3.13	243
EX12S69	10Y-1H	5.56	3.66	0.0002	0.92	0.92	113
EX12S69A	10Y-1H	6.34	3.66	0.0002	0.54	0.53	113
EX12S70	10Y-1H	5.00	3.83	0.0010	7.15	7.08	113
EX12S71	10Y-1H	5.93	3.67	0.0009	7.08	6.93	243
EX12S72	10Y-1H	4.43	2.12	0.0010	5.69	5.68	113
EX12S73	10Y-1H	7.23	3.76	0.0002	0.81	0.81	113
EX12S74	10Y-1H	17.43	2.12	0.0002	0.02	0.01	113
EX12S75	10Y-1H	15.96	9.90	0.0004	2.26	2.26	113
EX12S77	10Y-1H	6.27	3.98	0.0012	1.40	3.69	113
EX12S78	10Y-1H	4.43	3.97	0.0010	2.64	2.03	707
EX12S80	10Y-1H	8.53	5.53	0.0008	5.07	5.06	164
EX12S83	10Y-1H	7.55	3.66	0.0007	1.08	1.44	113
POND 12W1	10Y-1H	5.00	3.26	0.0001	15.22	0.14	51294
POND 12W2	10Y-1H	5.00	3.92	0.0002	10.12	7.15	10717
POND 12W3	10Y-1H	4.43	3.66	0.0001	12.27	5.69	19746
POND 12W4	10Y-1H	4.43	2.12	0.0001	7.37	0.03	55325
SWALE 12W1A	10Y-1H	4.28	3.36	0.0001	9.42	4.48	14648
SWALE 12W1B	10Y-1H	3.43	3.26	0.0001	5.97	3.44	11764
SWALE 12W2	10Y-1H	4.43	3.98	0.0002	5.37	0.81	4127
C4CANALW	10Y-24H	3.43	2.06	0.0001	5.24	0.00	0
EX12S02	10Y-24H	4.92	3.60	0.0093	10.85	0.90	123
EX12S09	10Y-24H	8.09	3.60	0.0096	0.99	10.85	341
EX12S14	10Y-24H	10.32	3.60	0.0004	1.14	1.21	315
EX12S57	10Y-24H	10.11	3.59	0.0001	0.12	0.11	113
EX12S58	10Y-24H	4.93	3.59	0.0010	6.12	8.88	2787
EX12S59	10Y-24H	5.20	3.59	0.0046	9.07	10.18	113
EX12S60	10Y-24H	5.20	3.59	0.0010	7.98	8.07	618
EX12S61	10Y-24H	5.12	3.71	0.0009	1.03	1.00	113
EX12S62	10Y-24H	5.43	3.71	0.0009	1.00	1.00	243
EX12S69	10Y-24H	5.56	3.60	0.0001	0.15	0.22	113
EX12S69A	10Y-24H	6.34	3.60	0.0001	0.09	0.15	113
EX12S70	10Y-24H	5.00	3.65	0.0008	2.47	2.47	113
EX12S71	10Y-24H	5.93	3.61	0.0008	2.47	2.47	243
EX12S72	10Y-24H	4.43	3.45	0.0001	3.65	3.64	242
EX12S73	10Y-24H	7.23	3.61	0.0001	0.13	0.13	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX12S74	10Y-24H	17.43	3.44	0.0016	3.22	6.44	519
EX12S75	10Y-24H	15.96	9.56	0.0001	0.37	0.37	113
EX12S77	10Y-24H	6.27	3.72	0.0008	0.23	0.99	113
EX12S78	10Y-24H	4.43	3.71	0.0009	0.45	0.47	657
EX12S80	10Y-24H	8.53	4.84	0.0003	0.84	0.84	144
EX12S83	10Y-24H	7.55	3.60	0.0003	0.18	0.27	113
POND 12W1	10Y-24H	5.00	3.58	0.0000	4.45	3.22	52689
POND 12W2	10Y-24H	5.00	3.70	0.0001	2.53	2.47	10244
POND 12W3	10Y-24H	4.43	3.60	0.0000	3.77	3.65	19541
POND 12W4	10Y-24H	4.43	3.44	0.0001	9.91	5.24	58191
SWALE 12W1A	10Y-24H	4.28	3.60	0.0000	1.65	1.00	15989
SWALE 12W1B	10Y-24H	3.43	3.59	0.0000	1.26	1.39	13062
SWALE 12W2	10Y-24H	4.43	3.72	0.0001	0.99	0.27	3688
C4CANALW	10Y-8H	3.43	1.78	0.0001	4.85	0.00	0
EX12S02	10Y-8H	4.92	3.68	0.0093	10.85	2.92	123
EX12S09	10Y-8H	8.09	3.67	0.0096	3.17	10.85	341
EX12S14	10Y-8H	10.32	3.66	0.0005	3.66	3.61	315
EX12S57	10Y-8H	10.11	3.66	0.0001	0.37	0.37	113
EX12S58	10Y-8H	4.93	3.65	0.0016	6.26	9.51	2829
EX12S59	10Y-8H	5.20	3.65	0.0044	9.90	9.91	113
EX12S60	10Y-8H	5.20	3.65	0.0010	9.91	8.17	618
EX12S61	10Y-8H	5.12	4.13	0.0010	2.59	2.58	113
EX12S62	10Y-8H	5.43	4.10	0.0010	2.58	2.55	243
EX12S69	10Y-8H	5.56	3.76	0.0008	0.49	1.40	113
EX12S69A	10Y-8H	6.34	3.76	0.0005	0.29	1.04	113
EX12S70	10Y-8H	5.00	4.03	0.0008	6.33	6.33	113
EX12S71	10Y-8H	5.93	3.77	0.0008	6.33	6.33	243
EX12S72	10Y-8H	4.43	3.40	0.0001	9.52	9.49	113
EX12S73	10Y-8H	7.23	3.76	0.0001	0.43	0.42	113
EX12S74	10Y-8H	17.43	3.40	0.0016	5.26	9.47	113
EX12S75	10Y-8H	15.96	9.74	0.0002	1.21	1.20	113
EX12S77	10Y-8H	6.27	4.14	0.0006	0.75	1.97	113
EX12S78	10Y-8H	4.43	4.14	0.0010	1.21	1.28	739
EX12S80	10Y-8H	8.53	5.18	0.0004	2.70	2.70	163
EX12S83	10Y-8H	7.55	3.76	0.0005	0.57	1.10	113
POND 12W1	10Y-8H	5.00	3.64	0.0000	11.68	5.26	52946
POND 12W2	10Y-8H	5.00	4.09	0.0001	7.41	6.33	11051
POND 12W3	10Y-8H	4.43	3.76	0.0001	10.89	9.52	20073
POND 12W4	10Y-8H	4.43	3.39	0.0001	17.61	4.85	58107
SWALE 12W1A	10Y-8H	4.28	3.66	0.0001	5.01	2.94	16350
SWALE 12W1B	10Y-8H	3.43	3.65	0.0000	4.08	2.08	13200
SWALE 12W2	10Y-8H	4.43	4.14	0.0001	2.23	0.85	4411
C4CANALW	25Y-72H	3.43	2.43	0.0001	13.55	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX12S02	25Y-72H	4.92	4.53	0.0093	10.85	6.28	123
EX12S09	25Y-72H	8.09	4.33	0.0096	6.84	10.85	341
EX12S14	25Y-72H	10.32	4.32	0.0014	7.90	7.84	315
EX12S57	25Y-72H	10.11	4.32	0.0001	0.80	0.77	113
EX12S58	25Y-72H	4.93	4.32	0.0010	5.83	11.73	3289
EX12S59	25Y-72H	5.20	4.32	0.0054	13.60	14.73	113
EX12S60	25Y-72H	5.20	4.32	0.0010	14.73	8.29	618
EX12S61	25Y-72H	5.12	4.88	0.0010	4.02	3.95	113
EX12S62	25Y-72H	5.43	4.84	0.0008	3.55	3.43	243
EX12S69	25Y-72H	5.56	4.52	0.0007	1.05	1.97	113
EX12S69A	25Y-72H	6.34	4.52	0.0005	0.62	1.30	113
EX12S70	25Y-72H	5.00	4.79	0.0010	7.70	7.66	113
EX12S71	25Y-72H	5.93	4.53	0.0009	7.66	7.59	243
EX12S72	25Y-72H	4.43	4.50	0.0004	7.65	7.63	242
EX12S73	25Y-72H	7.23	4.52	0.0001	0.93	0.88	113
EX12S74	25Y-72H	17.43	4.30	0.0013	11.71	11.51	546
EX12S75	25Y-72H	15.96	9.94	0.0001	2.60	2.60	113
EX12S77	25Y-72H	6.27	4.90	0.0006	1.61	1.54	113
EX12S78	25Y-72H	4.43	4.89	0.0008	1.98	1.48	887
EX12S80	25Y-72H	8.53	5.64	0.0002	5.82	5.81	164
EX12S83	25Y-72H	7.55	4.52	0.0003	1.24	1.19	113
POND 12W1	25Y-72H	5.00	4.31	0.0000	27.55	11.71	55965
POND 12W2	25Y-72H	5.00	4.84	0.0001	14.19	7.70	12425
POND 12W3	25Y-72H	4.43	4.52	0.0001	15.65	7.65	23087
POND 12W4	25Y-72H	4.43	4.29	0.0001	31.86	13.55	59719
SWALE 12W1A	25Y-72H	4.28	4.32	0.0000	10.86	5.93	19828
SWALE 12W1B	25Y-72H	3.43	4.32	0.0000	8.38	4.74	14662
SWALE 12W2	25Y-72H	4.43	4.90	0.0001	3.02	0.95	4999

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX12S02_S09	100Y-1H	7.99	-10.85	0.30	-3.45	-4.02	-3.74
EX12S09_S14	100Y-1H	8.68	0.00	-0.03	2.96	3.89	3.43
EX12S14_SW A12W1A	100Y-1H	10.09	0.00	0.32	5.47	11.30	8.32
EX12S57_SW A12W1B	100Y-1H	1.02	0.00	-0.03	2.79	8.15	5.47
EX12S58_S59	100Y-1H	16.91	-5.28	-16.91	0.84	0.84	0.84
EX12S59_S60	100Y-1H	13.64	-6.82	13.64	0.67	0.67	0.67
EX12S60_WE IR	100Y-1H	5.79	-0.16	0.69	0.51	0.51	0.51
EX12S61_S62	100Y-1H	4.39	0.00	0.02	2.48	2.48	2.48
EX12S62_WE IR	100Y-1H	4.24	-0.42	0.02	0.63	0.63	0.63
EX12S69A_P ND12W3	100Y-1H	1.36	0.00	-1.20	2.66	3.33	2.99
EX12S69_PN D12W3	100Y-1H	1.58	0.00	1.49	3.15	4.63	3.88
EX12S70_S71	100Y-1H	8.91	-0.58	0.05	5.04	5.04	5.04
EX12S70_WE IR	100Y-1H	9.01	0.00	0.00	1.80	1.80	1.80
EX12S71_WE IR	100Y-1H	8.68	-1.15	0.01	-0.63	-0.63	-0.63
EX12S72_PN D12W4	100Y-1H	12.36	-0.03	-0.06	7.00	7.00	7.00
EX12S72_WE IR	100Y-1H	12.40	0.00	0.00	1.74	1.74	1.74
EX12S73_PN D12W3	100Y-1H	1.18	0.00	-0.02	3.05	9.35	6.20
EX12S74_PN D12W4	100Y-1H	6.91	-0.10	6.21	0.35	0.35	0.35
EX12S74_WE IR	100Y-1H	3.52	0.00	0.00	1.13	1.13	1.13
EX12S75_PN D12W1	100Y-1H	3.29	0.00	0.00	4.14	12.15	8.14
EX12S77_SW A12W2	100Y-1H	5.04	0.00	-4.02	3.51	3.95	3.57
EX12S78_S61	100Y-1H	2.14	-2.04	-0.07	1.21	1.21	1.21
EX12S80_PN D12W2	100Y-1H	7.38	0.00	0.02	4.19	5.60	4.90
EX12S83_PN D12W3	100Y-1H	1.56	0.00	-0.13	3.30	3.39	3.34
PND12W4_C4 CANALW	100Y-1H	1.09	0.00	0.00	2.06	2.84	2.45
SWA12W1A_ SWA12W1B	100Y-1H	7.19	0.00	-0.02	0.49	0.80	0.63
SWA12W1B_	100Y-1H	5.01	-0.02	-0.17	0.41	0.46	0.43

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX12S58							
SWA12W2_EX12S78	100Y-1H	1.72	-2.96	0.11	-0.44	-0.51	-0.47
EX12S02_S09	100Y-24H	1.38	-10.85	0.30	-3.45	-4.02	-3.74
EX12S09_S14	100Y-24H	1.50	0.00	-0.07	0.92	0.86	0.89
EX12S14_SWA12W1A	100Y-24H	2.00	0.00	-0.38	2.32	4.72	3.51
EX12S57_SWA12W1B	100Y-24H	0.20	0.00	0.07	1.40	0.68	0.76
EX12S58_S59	100Y-24H	10.02	-5.04	10.02	0.49	0.49	0.49
EX12S59_S60	100Y-24H	9.52	-6.63	9.51	0.47	0.47	0.47
EX12S60_WEIR	100Y-24H	3.52	-0.03	0.68	0.21	0.21	0.21
EX12S61_S62	100Y-24H	1.44	-0.07	0.06	0.82	0.82	0.82
EX12S62_WEIR	100Y-24H	1.44	-0.14	-0.02	0.11	0.11	0.11
EX12S69A_PND12W3	100Y-24H	0.52	0.00	0.45	0.71	0.75	0.56
EX12S69_PND12W3	100Y-24H	0.85	0.00	0.72	1.26	1.27	1.02
EX12S70_S71	100Y-24H	3.54	-0.08	0.05	2.00	2.00	2.00
EX12S70_WEIR	100Y-24H	3.54	0.00	0.00	1.05	1.05	1.05
EX12S71_WEIR	100Y-24H	3.53	-0.16	0.01	0.16	0.16	0.16
EX12S72_PND12W4	100Y-24H	5.07	0.00	0.06	2.87	2.87	2.87
EX12S72_WEIR	100Y-24H	5.09	0.00	0.00	1.30	1.30	1.30
EX12S73_PND12W3	100Y-24H	0.20	0.00	-0.04	1.51	0.69	0.84
EX12S74_PND12W4	100Y-24H	11.57	-0.05	-9.72	0.59	0.59	0.59
EX12S74_WEIR	100Y-24H	6.66	0.00	0.02	1.40	1.40	1.40
EX12S75_PND12W1	100Y-24H	0.57	0.00	0.00	2.50	0.91	1.43
EX12S77_SWA12W2	100Y-24H	1.05	0.00	-0.99	1.55	1.20	1.27
EX12S78_S61	100Y-24H	0.60	-0.13	0.05	0.34	0.34	0.34
EX12S80_PND12W2	100Y-24H	1.27	0.00	0.00	2.41	3.12	2.77
EX12S83_PND12W3	100Y-24H	0.31	0.00	0.23	1.48	1.48	1.41
PND12W4_C4CANALW	100Y-24H	9.04	0.00	0.02	3.89	5.27	4.58
SWA12W1A_	100Y-24H	2.12	0.00	-0.03	0.13	0.21	0.16

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
SWA12W1B							
SWA12W1B_EX12S58	100Y-24H	2.53	0.00	0.21	0.16	0.24	0.19
SWA12W2_EX12S78	100Y-24H	0.30	-0.18	0.08	-0.05	-0.05	-0.05
EX12S02_S09	100Y-8H	4.12	-10.85	0.30	-3.45	-4.02	-3.74
EX12S09_S14	100Y-8H	4.44	0.00	-0.09	2.06	2.50	2.27
EX12S14_SWA12W1A	100Y-8H	5.12	0.00	-0.82	4.01	6.74	4.95
EX12S57_SWA12W1B	100Y-8H	0.51	0.00	0.11	2.27	0.84	1.33
EX12S58_S59	100Y-8H	15.75	-5.47	-15.75	0.78	0.78	0.78
EX12S59_S60	100Y-8H	12.61	-6.82	12.61	0.62	0.62	0.62
EX12S60_WEIR	100Y-8H	6.10	-0.06	0.68	0.23	0.23	0.23
EX12S61_S62	100Y-8H	3.60	-0.05	0.06	2.04	2.04	2.04
EX12S62_WEIR	100Y-8H	3.56	-0.20	0.01	0.33	0.33	0.33
EX12S69A_PND12W3	100Y-8H	1.13	0.00	-0.94	1.59	1.84	1.70
EX12S69_PND12W3	100Y-8H	1.74	0.00	-1.41	1.83	2.52	2.17
EX12S70_S71	100Y-8H	8.93	-0.19	0.05	5.05	5.05	5.05
EX12S70_WEIR	100Y-8H	8.93	0.00	0.00	1.46	1.46	1.46
EX12S71_WEIR	100Y-8H	8.93	-0.39	0.01	0.34	0.34	0.34
EX12S72_PND12W4	100Y-8H	13.75	-0.01	0.05	7.78	7.78	7.78
EX12S72_WEIR	100Y-8H	13.83	0.00	-0.01	1.81	1.81	1.81
EX12S73_PND12W3	100Y-8H	0.61	0.00	-0.06	2.45	0.89	1.39
EX12S74_PND12W4	100Y-8H	13.59	-0.04	-9.18	0.69	0.69	0.69
EX12S74_WEIR	100Y-8H	12.82	0.00	-0.03	1.74	1.74	1.74
EX12S75_PND12W1	100Y-8H	1.70	0.00	0.00	3.39	9.67	6.47
EX12S77_SWA12W2	100Y-8H	1.46	0.00	-1.27	1.98	2.29	2.11
EX12S78_S61	100Y-8H	1.82	-0.37	-0.05	1.03	1.03	1.03
EX12S80_PND12W2	100Y-8H	3.81	0.00	-0.01	3.35	4.32	3.84
EX12S83_PND12W3	100Y-8H	0.90	0.00	0.57	1.92	1.90	1.88
PND12W4_C4	100Y-8H	9.73	0.00	0.02	3.98	5.41	4.69

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CANALW							
SWA12W1A_SWA12W1B	100Y-8H	4.23	0.00	0.04	0.28	0.33	0.30
SWA12W1B_EX12S58	100Y-8H	4.83	0.00	-0.24	0.25	0.32	0.28
SWA12W2_EX12S78	100Y-8H	1.22	-0.53	-0.14	-0.11	-0.11	-0.11
EX12S02_S09	10Y-1H	5.49	-10.85	0.30	-3.45	-4.02	-3.74
EX12S09_S14	10Y-1H	5.97	0.00	-0.03	2.50	3.25	2.87
EX12S14_SWA12W1A	10Y-1H	6.93	0.00	0.33	4.82	10.02	7.34
EX12S57_SWA12W1B	10Y-1H	0.70	0.00	-0.01	2.52	7.28	4.90
EX12S58_S59	10Y-1H	11.54	-4.87	-11.36	0.57	0.57	0.57
EX12S59_S60	10Y-1H	10.44	-1.19	-10.44	0.52	0.52	0.52
EX12S60_WEIR	10Y-1H	4.14	-0.14	0.48	0.49	0.49	0.49
EX12S61_S62	10Y-1H	3.18	0.00	-0.64	1.80	1.80	1.80
EX12S62_WEIR	10Y-1H	3.13	-0.41	0.40	0.60	0.60	0.60
EX12S69A_PND12W3	10Y-1H	0.53	0.00	0.05	2.45	3.06	2.75
EX12S69_PND12W3	10Y-1H	0.92	0.00	0.05	2.85	4.18	3.51
EX12S70_S71	10Y-1H	7.08	-0.52	0.70	4.01	4.01	4.01
EX12S70_WEIR	10Y-1H	7.15	0.00	-0.03	1.73	1.73	1.73
EX12S71_WEIR	10Y-1H	6.93	-1.05	-0.92	-0.59	-0.59	-0.59
EX12S72_PND12W4	10Y-1H	5.68	-0.02	-0.75	3.21	3.21	3.21
EX12S72_WEIR	10Y-1H	5.69	0.00	0.00	1.35	1.35	1.35
EX12S73_PND12W3	10Y-1H	0.81	0.00	-0.01	2.75	8.35	5.55
EX12S74_PND12W4	10Y-1H	0.01	-0.02	0.01	0.00	0.00	0.00
EX12S74_WEIR	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
EX12S75_PND12W1	10Y-1H	2.26	0.00	0.00	3.68	10.88	7.28
EX12S77_SWA12W2	10Y-1H	3.69	0.00	-3.15	3.05	3.71	3.35
EX12S78_S61	10Y-1H	1.20	-1.42	0.46	-0.80	-0.80	-0.80
EX12S80_PND12W2	10Y-1H	5.06	0.00	-0.01	3.65	4.78	4.22
EX12S83_PN	10Y-1H	1.44	0.00	1.00	2.98	3.06	3.02

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D12W3							
PND12W4_C4 CANALW	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
SWA12W1A_ SWA12W1B	10Y-1H	4.48	0.00	-0.04	0.40	0.70	0.54
SWA12W1B_ EX12S58	10Y-1H	3.44	-0.01	0.07	0.38	0.45	0.41
SWA12W2_E X12S78	10Y-1H	0.81	-2.03	0.11	-0.38	-0.43	-0.40
EX12S02_S09	10Y-24H	0.90	-10.85	0.30	-3.45	-4.02	-3.74
EX12S09_S14	10Y-24H	0.98	0.00	-0.05	0.84	0.78	0.81
EX12S14_SW A12W1A	10Y-24H	1.21	0.00	0.30	2.24	4.14	3.10
EX12S57_SW A12W1B	10Y-24H	0.11	0.00	0.03	1.36	0.62	0.72
EX12S58_S59	10Y-24H	8.88	-4.93	-8.88	0.44	0.44	0.44
EX12S59_S60	10Y-24H	7.98	-6.44	-7.98	0.39	0.39	0.39
EX12S60_WE IR	10Y-24H	2.29	-0.03	0.64	0.20	0.20	0.20
EX12S61_S62	10Y-24H	1.00	-0.07	0.06	0.57	0.57	0.57
EX12S62_WE IR	10Y-24H	1.00	-0.11	-0.02	0.09	0.09	0.09
EX12S69A_P ND12W3	10Y-24H	0.15	0.00	0.06	0.47	0.50	0.37
EX12S69_PN D12W3	10Y-24H	0.22	0.00	0.10	0.83	0.85	0.65
EX12S70_S71	10Y-24H	2.47	-0.07	0.04	1.40	1.40	1.40
EX12S70_WE IR	10Y-24H	2.47	0.00	0.00	1.03	1.03	1.03
EX12S71_WE IR	10Y-24H	2.47	-0.14	0.01	0.11	0.11	0.11
EX12S72_PN D12W4	10Y-24H	3.64	0.00	0.07	2.06	2.06	2.06
EX12S72_WE IR	10Y-24H	3.65	0.00	0.00	1.16	1.16	1.16
EX12S73_PN D12W3	10Y-24H	0.13	0.00	0.01	1.50	0.64	0.78
EX12S74_PN D12W4	10Y-24H	6.44	-0.27	-6.10	0.33	0.33	0.33
EX12S74_WE IR	10Y-24H	3.22	0.00	0.00	1.10	1.10	1.10
EX12S75_PN D12W1	10Y-24H	0.37	0.00	0.00	2.24	0.88	1.32
EX12S77_SW A12W2	10Y-24H	0.99	0.00	-0.93	1.18	1.13	0.81
EX12S78_S61	10Y-24H	0.47	-0.09	-0.05	0.26	0.26	0.26
EX12S80_PN	10Y-24H	0.84	0.00	0.00	2.13	2.77	2.45

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D12W2							
EX12S83_PND12W3	10Y-24H	0.27	0.00	0.21	0.99	1.00	0.79
PND12W4_C4CANALW	10Y-24H	5.24	0.00	0.01	3.30	4.44	3.87
SWA12W1A_SWA12W1B	10Y-24H	1.00	0.00	0.04	0.12	0.18	0.13
SWA12W1B_EX12S58	10Y-24H	1.39	0.00	0.17	0.14	0.22	0.17
SWA12W2_EX12S78	10Y-24H	0.27	-0.13	-0.05	-0.05	-0.05	-0.05
EX12S02_S09	10Y-8H	2.92	-10.85	0.30	-3.45	-4.02	-3.74
EX12S09_S14	10Y-8H	3.14	0.00	-0.05	1.85	2.28	2.07
EX12S14_SWA12W1A	10Y-8H	3.61	0.00	-0.40	3.84	6.21	4.57
EX12S57_SWA12W1B	10Y-8H	0.37	0.00	-0.05	2.13	0.81	1.26
EX12S58_S59	10Y-8H	9.51	-5.11	-9.52	0.47	0.47	0.47
EX12S59_S60	10Y-8H	9.91	-6.52	-9.91	0.49	0.49	0.49
EX12S60_WEIR	10Y-8H	3.02	-0.05	0.64	0.22	0.22	0.22
EX12S61_S62	10Y-8H	2.58	-0.08	0.06	1.46	1.46	1.46
EX12S62_WEIR	10Y-8H	2.55	-0.24	0.01	0.28	0.28	0.28
EX12S69A_PND12W3	10Y-8H	1.04	0.00	-0.92	1.48	1.38	1.21
EX12S69_PND12W3	10Y-8H	1.40	0.00	-1.15	1.77	2.28	1.98
EX12S70_S71	10Y-8H	6.33	-0.17	0.04	3.58	3.58	3.58
EX12S70_WEIR	10Y-8H	6.33	0.00	0.00	1.58	1.58	1.58
EX12S71_WEIR	10Y-8H	6.33	-0.33	0.01	0.32	0.32	0.32
EX12S72_PND12W4	10Y-8H	9.49	-0.01	0.07	5.37	5.37	5.37
EX12S72_WEIR	10Y-8H	9.52	0.00	0.00	1.60	1.60	1.60
EX12S73_PND12W3	10Y-8H	0.42	0.00	0.01	2.31	0.85	1.34
EX12S74_PND12W4	10Y-8H	9.47	-0.09	-8.07	0.48	0.48	0.48
EX12S74_WEIR	10Y-8H	5.26	0.00	0.00	1.29	1.29	1.29
EX12S75_PND12W1	10Y-8H	1.20	0.00	0.00	3.07	8.94	5.99
EX12S77_SWA12W2	10Y-8H	1.97	0.00	-1.72	1.83	2.09	1.94

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX12S78_S61	10Y-8H	1.28	-0.27	-0.05	0.72	0.72	0.72
EX12S80_PND12W2	10Y-8H	2.70	0.00	0.00	3.03	3.86	3.44
EX12S83_PND12W3	10Y-8H	1.10	0.00	-0.78	2.10	1.86	1.98
PND12W4_C4CANALW	10Y-8H	4.85	0.00	0.01	3.24	4.30	3.77
SWA12W1A_SWA12W1B	10Y-8H	2.94	0.00	-0.02	0.28	0.35	0.31
SWA12W1B_EX12S58	10Y-8H	2.08	0.00	-0.14	0.23	0.30	0.26
SWA12W2_EX12S78	10Y-8H	0.85	-0.41	0.08	-0.08	-0.08	-0.08
EX12S02_S09	25Y-72H	6.28	-10.85	0.30	-3.45	-4.02	-3.74
EX12S09_S14	25Y-72H	6.78	0.00	0.42	2.27	2.39	2.33
EX12S14_SWA12W1A	25Y-72H	7.84	0.00	-4.77	3.14	2.94	3.04
EX12S57_SWA12W1B	25Y-72H	0.77	0.00	0.09	0.60	0.30	0.44
EX12S58_S59	25Y-72H	11.73	-4.78	-10.95	0.58	0.58	0.58
EX12S59_S60	25Y-72H	14.73	-6.65	14.73	0.73	0.73	0.73
EX12S60_WEIR	25Y-72H	6.18	-0.01	0.74	0.17	0.17	0.17
EX12S61_S62	25Y-72H	3.55	-0.03	-0.48	2.01	2.01	2.01
EX12S62_WEIR	25Y-72H	3.43	-0.04	-0.24	0.09	0.09	0.09
EX12S69A_PND12W3	25Y-72H	1.30	0.00	-1.06	0.85	0.82	0.84
EX12S69_PND12W3	25Y-72H	1.97	0.00	-1.61	1.24	1.20	1.22
EX12S70_S71	25Y-72H	7.66	-0.02	0.82	4.34	4.34	4.34
EX12S70_WEIR	25Y-72H	7.70	0.00	-0.02	1.25	1.25	1.25
EX12S71_WEIR	25Y-72H	7.59	-0.04	-0.79	0.24	0.24	0.24
EX12S72_PND12W4	25Y-72H	7.63	0.00	-0.24	4.32	4.32	4.32
EX12S72_WEIR	25Y-72H	7.65	0.00	0.00	1.12	1.12	1.12
EX12S73_PND12W3	25Y-72H	0.88	0.00	-0.06	2.61	0.50	1.51
EX12S74_PND12W4	25Y-72H	11.51	-0.01	-6.98	0.59	0.59	0.59
EX12S74_WEIR	25Y-72H	11.71	0.00	0.05	1.34	1.34	1.34
EX12S75_PND12W1	25Y-72H	2.60	0.00	0.00	3.84	1.47	2.66

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX12S77_SWA12W2	25Y-72H	1.54	0.00	-0.88	0.87	0.87	0.87
EX12S78_S61	25Y-72H	1.35	-0.50	-0.20	0.77	0.77	0.77
EX12S80_PND12W2	25Y-72H	5.81	0.00	-0.01	3.82	5.03	4.43
EX12S83_PND12W3	25Y-72H	1.19	0.00	0.07	0.67	0.67	0.67
PND12W4_C4CANALW	25Y-72H	13.55	0.00	0.02	4.45	6.15	5.30
SWA12W1A_SWA12W1B	25Y-72H	5.93	0.00	-0.08	0.26	0.27	0.27
SWA12W1B_EX12S58	25Y-72H	4.74	0.00	-0.48	0.21	0.21	0.21
SWA12W2_EX12S78	25Y-72H	0.95	-1.48	0.19	-0.08	-0.08	-0.08

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
C4CANALW	100Y-1H	26195	0	26195
C4CANALW	100Y-24H	403791	0	403791
C4CANALW	100Y-8H	228273	0	228273
C4CANALW	10Y-1H	0	0	0
C4CANALW	10Y-24H	196177	0	196177
C4CANALW	10Y-8H	100495	0	100495
C4CANALW	25Y-72H	426953	0	426953

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S02	100Y-1H	18036	17821	215
EX12S02	100Y-24H	48862	48647	215
EX12S02	100Y-8H	34667	34452	215
EX12S02	10Y-1H	12324	12128	196
EX12S02	10Y-24H	32005	31790	215
EX12S02	10Y-8H	24316	24101	215
EX12S02	25Y-72H	50933	50721	212

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S09	100Y-1H	19408	19127	281
EX12S09	100Y-24H	52955	52671	283
EX12S09	100Y-8H	37506	37223	284
EX12S09	10Y-1H	13217	12995	222
EX12S09	10Y-24H	34610	34327	283
EX12S09	10Y-8H	26242	25961	282
EX12S09	25Y-72H	55212	54917	295

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S14	100Y-1H	22250	21965	285
EX12S14	100Y-24H	61234	60951	283
EX12S14	100Y-8H	43279	42996	283
EX12S14	10Y-1H	15109	14877	233
EX12S14	10Y-24H	39913	39630	283
EX12S14	10Y-8H	30192	29907	285

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S14	25Y-72H	63845	63581	263

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S57	100Y-1H	2293	2248	46
EX12S57	100Y-24H	6222	6176	46
EX12S57	100Y-8H	4412	4366	46
EX12S57	10Y-1H	1565	1538	26
EX12S57	10Y-24H	4073	4027	46
EX12S57	10Y-8H	3093	3048	46
EX12S57	25Y-72H	6485	6439	46

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S58	100Y-1H	15666	13186	2480
EX12S58	100Y-24H	81329	77361	3968
EX12S58	100Y-8H	50884	47483	3401
EX12S58	10Y-1H	7981	5841	2140
EX12S58	10Y-24H	45098	43015	2083
EX12S58	10Y-8H	28576	25835	2742
EX12S58	25Y-72H	85697	82543	3154

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S59	100Y-1H	19596	19500	96
EX12S59	100Y-24H	94809	97999	-3191
EX12S59	100Y-8H	59838	61116	-1278
EX12S59	10Y-1H	10173	10237	-63
EX12S59	10Y-24H	54424	55462	-1038
EX12S59	10Y-8H	34493	35298	-805
EX12S59	25Y-72H	100762	103056	-2294

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S60	100Y-1H	18585	17776	809
EX12S60	100Y-24H	97577	94948	2629
EX12S60	100Y-8H	60660	59396	1265
EX12S60	10Y-1H	9540	8802	738
EX12S60	10Y-24H	55108	52764	2343
EX12S60	10Y-8H	34934	33476	1458
EX12S60	25Y-72H	102682	100141	2541

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S61	100Y-1H	18324	18109	215
EX12S61	100Y-24H	52280	52065	215
EX12S61	100Y-8H	36333	36118	215
EX12S61	10Y-1H	11507	11288	219
EX12S61	10Y-24H	33259	33044	215
EX12S61	10Y-8H	24696	24481	215
EX12S61	25Y-72H	55266	55054	211

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S62	100Y-1H	16559	16215	344
EX12S62	100Y-24H	51417	51073	344
EX12S62	100Y-8H	35371	35027	344
EX12S62	10Y-1H	10138	9797	340
EX12S62	10Y-24H	32421	32077	344
EX12S62	10Y-8H	23708	23364	344
EX12S62	25Y-72H	53796	53448	348

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S69	100Y-1H	3001	2893	108
EX12S69	100Y-24H	8138	8031	107
EX12S69	100Y-8H	5773	5666	106
EX12S69	10Y-1H	2048	1941	107
EX12S69	10Y-24H	5327	5220	107
EX12S69	10Y-8H	4045	3942	104
EX12S69	25Y-72H	8481	8374	107

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S69A	100Y-1H	1764	1657	107
EX12S69A	100Y-24H	4788	4681	107
EX12S69A	100Y-8H	3397	3290	107
EX12S69A	10Y-1H	1208	1100	107
EX12S69A	10Y-24H	3135	3027	107
EX12S69A	10Y-8H	2381	2274	107
EX12S69A	25Y-72H	4988	4881	107

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S70	100Y-1H	35561	35346	215
EX12S70	100Y-24H	123251	123036	215
EX12S70	100Y-8H	82751	82536	215
EX12S70	10Y-1H	19576	19380	195
EX12S70	10Y-24H	75200	74985	215
EX12S70	10Y-8H	53356	53141	215
EX12S70	25Y-72H	129108	128931	177

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S71	100Y-1H	35684	35340	344
EX12S71	100Y-24H	123373	123029	344
EX12S71	100Y-8H	82874	82530	344
EX12S71	10Y-1H	19718	19363	355
EX12S71	10Y-24H	75322	74978	344
EX12S71	10Y-8H	53478	53134	344
EX12S71	25Y-72H	129267	128909	359

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S72	100Y-1H	41334	41212	122
EX12S72	100Y-24H	171275	171152	124
EX12S72	100Y-8H	111305	111182	123
EX12S72	10Y-1H	17534	17483	51
EX12S72	10Y-24H	100102	99980	122
EX12S72	10Y-8H	67721	67596	125

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S72	25Y-72H	179962	179835	127

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S73	100Y-1H	2645	2645	0
EX12S73	100Y-24H	7178	7178	0
EX12S73	100Y-8H	5090	5090	0
EX12S73	10Y-1H	1804	1803	0
EX12S73	10Y-24H	4699	4699	0
EX12S73	10Y-8H	3568	3568	0
EX12S73	25Y-72H	7483	7482	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S74	100Y-1H	18586	18480	106
EX12S74	100Y-24H	200691	200752	-61
EX12S74	100Y-8H	116222	116125	97
EX12S74	10Y-1H	80	13	67
EX12S74	10Y-24H	100514	100432	82
EX12S74	10Y-8H	55136	55291	-156
EX12S74	25Y-72H	212918	212840	78

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S75	100Y-1H	7406	7406	0
EX12S75	100Y-24H	20099	20099	0
EX12S75	100Y-8H	14253	14253	0
EX12S75	10Y-1H	5050	5050	0
EX12S75	10Y-24H	13157	13157	0
EX12S75	10Y-8H	9992	9992	0
EX12S75	25Y-72H	20951	20951	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S77	100Y-1H	4586	4485	100
EX12S77	100Y-24H	12445	12355	90
EX12S77	100Y-8H	8825	8724	100
EX12S77	10Y-1H	3131	3031	100
EX12S77	10Y-24H	8145	8053	92
EX12S77	10Y-8H	6186	6085	101
EX12S77	25Y-72H	12970	12869	101

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S78	100Y-1H	10834	10230	604
EX12S78	100Y-24H	23333	22726	606
EX12S78	100Y-8H	17161	16555	606
EX12S78	10Y-1H	6590	5990	600
EX12S78	10Y-24H	15030	14424	606
EX12S78	10Y-8H	11702	11096	606
EX12S78	25Y-72H	27172	26565	607

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S80	100Y-1H	16575	16536	38
EX12S80	100Y-24H	44983	44983	0
EX12S80	100Y-8H	31899	31878	21
EX12S80	10Y-1H	11303	11303	0
EX12S80	10Y-24H	29447	29447	0
EX12S80	10Y-8H	22362	22362	0
EX12S80	25Y-72H	46891	46856	36

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S83	100Y-1H	3530	3422	107
EX12S83	100Y-24H	9574	9467	107
EX12S83	100Y-8H	6791	6683	107
EX12S83	10Y-1H	2412	2303	109
EX12S83	10Y-24H	6269	6162	107
EX12S83	10Y-8H	4760	4657	103
EX12S83	25Y-72H	9979	9871	107

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 12W1	100Y-1H	64403	18549	45854
POND 12W1	100Y-24H	246461	200643	45818
POND 12W1	100Y-8H	162023	116187	45836
POND 12W1	10Y-1H	37119	37	37082
POND 12W1	10Y-24H	146291	100470	45821
POND 12W1	10Y-8H	100958	55099	45859
POND 12W1	25Y-72H	258792	212883	45909

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 12W2	100Y-1H	44291	35473	8818
POND 12W2	100Y-24H	132069	123251	8817
POND 12W2	100Y-8H	91545	82728	8817
POND 12W2	10Y-1H	28304	19492	8812
POND 12W2	10Y-24H	84016	75199	8816
POND 12W2	10Y-8H	62150	53331	8819
POND 12W2	25Y-72H	137962	129129	8833

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 12W3	100Y-1H	58813	41652	17161
POND 12W3	100Y-24H	188765	171605	17161
POND 12W3	100Y-8H	128794	111633	17161
POND 12W3	10Y-1H	35025	17866	17159
POND 12W3	10Y-24H	117589	100429	17159
POND 12W3	10Y-8H	85214	68043	17170
POND 12W3	25Y-72H	197479	180285	17194

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 12W4	100Y-1H	85763	26281	59483
POND 12W4	100Y-24H	464620	403892	60727
POND 12W4	100Y-8H	288701	228355	60347
POND 12W4	10Y-1H	32378	103	32276
POND 12W4	10Y-24H	256012	196278	59735
POND 12W4	10Y-8H	161994	100581	61412

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 12W4	25Y-72H	489997	427068	62929

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 12W1A	100Y-1H	30131	17863	12268
SWALE 12W1A	100Y-24H	83895	71528	12367
SWALE 12W1A	100Y-8H	59127	46798	12329
SWALE 12W1A	10Y-1H	20313	10507	9806
SWALE 12W1A	10Y-24H	54485	42120	12365
SWALE 12W1A	10Y-8H	41078	28733	12345
SWALE 12W1A	25Y-72H	87518	75102	12416

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 12W1B	100Y-1H	24781	14730	10051
SWALE 12W1B	100Y-24H	90815	80871	9944
SWALE 12W1B	100Y-8H	60382	50401	9982
SWALE 12W1B	10Y-1H	15178	7253	7926
SWALE 12W1B	10Y-24H	54637	44704	9932
SWALE 12W1B	10Y-8H	38164	28184	9980
SWALE 12W1B	25Y-72H	95220	85258	9961

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 12W2	100Y-1H	7589	5229	2360
SWALE 12W2	100Y-24H	13669	11305	2364
SWALE 12W2	100Y-8H	10747	8393	2354
SWALE 12W2	10Y-1H	5077	2721	2356
SWALE 12W2	10Y-24H	9347	6988	2359
SWALE 12W2	10Y-8H	7696	5339	2356
SWALE 12W2	25Y-72H	16378	14024	2354

System 13

Pre-Development Land Use Tables
Post-Development Land Use Tables
Drainage Calculations
Pre-Development Node Link Diagram
Pre-Development ICPR Input/Output

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

PRE-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 13 **SHGWT EL. (ft-NAVD): 1.53**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
13B04	10	0.25	0.25	0.25	0.00	0.00	0.00	0.00	0.00	0.00	6.00	4.47	8.18	98.00
13B06	10	0.45	0.45	0.45	0.00	0.00	0.00	0.00	0.00	0.00	5.20	3.67	4.95	98.00
13B07	10	0.47	0.47	0.47	0.00	0.00	0.00	0.00	0.00	0.00	8.00	6.47	8.18	98.00
13B08	10	0.38	0.38	0.38	0.00	0.00	0.00	0.00	0.00	0.00	6.00	4.47	8.18	98.00
13B11	10	0.93	0.93	0.93	0.00	0.00	0.00	0.00	0.00	0.00	5.20	3.67	4.95	98.00
13B12	10	0.57	0.57	0.57	0.00	0.00	0.00	0.00	0.00	0.00	8.70	7.17	8.18	98.00
13B17	10	1.03	1.03	1.03	0.00	0.00	0.00	0.00	0.00	0.00	9.30	7.77	8.18	98.00
13B19	10	0.63	0.63	0.63	0.00	0.00	0.00	0.00	0.00	0.00	12.30	10.77	8.18	98.00
13B20	10	0.55	0.55	0.55	0.00	0.00	0.00	0.00	0.00	0.00	11.50	9.97	8.18	98.00
13B21	10	0.22	0.22	0.22	0.00	0.00	0.00	0.00	0.00	0.00	11.50	9.97	8.18	98.00
13B22	10	1.13	1.13	1.13	0.00	0.00	0.00	0.00	0.00	0.00	20.40	18.87	8.18	98.00
13B23	10	0.50	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	19.80	18.27	8.18	98.00
13B24	10	0.19	0.19	0.19	0.00	0.00	0.00	0.00	0.00	0.00	19.80	18.27	8.18	98.00
13B27	10	0.48	0.48	0.48	0.00	0.00	0.00	0.00	0.00	0.00	26.00	24.47	8.18	98.00
13B48	10	0.42	0.42	0.42	0.00	0.00	0.00	0.00	0.00	0.00	4.90	3.37	4.95	98.00
13B50	10	0.30	0.30	0.30	0.00	0.00	0.00	0.00	0.00	0.00	5.70	4.17	8.18	98.00
13B51	10	0.29	0.29	0.29	0.00	0.00	0.00	0.00	0.00	0.00	7.00	5.47	8.18	98.00
13B53	10	0.25	0.25	0.25	0.00	0.00	0.00	0.00	0.00	0.00	8.30	6.77	8.18	98.00
13B63	10	0.17	0.17	0.17	0.00	0.00	0.00	0.00	0.00	0.00	5.00	3.47	4.95	98.00
13B63A	10	0.17	0.17	0.17	0.00	0.00	0.00	0.00	0.00	0.00	6.00	4.47	8.18	98.00
13B63B	10	0.11	0.11	0.11	0.00	0.00	0.00	0.00	0.00	0.00	5.70	4.17	8.18	98.00
13B88	10	0.44	0.44	0.44	0.00	0.00	0.00	0.00	0.00	0.00	6.70	5.17	8.18	98.00
13B89	10	0.26	0.26	0.26	0.00	0.00	0.00	0.00	0.00	0.00	7.20	5.67	8.18	98.00
13B90	10	0.11	0.11	0.11	0.00	0.00	0.00	0.00	0.00	0.00	7.90	6.37	8.18	98.00
13B91	10	0.53	0.53	0.53	0.00	0.00	0.00	0.00	0.00	0.00	7.70	6.17	8.18	98.00
POND 13E1_1	10	2.83	2.83	0.08	0.00	2.75	0.00	0.00	0.00	0.00	4.00	2.47	1.88	84.55
POND 13E1_2	10	2.05	2.05	2.05	0.00	0.00	0.00	0.00	0.00	0.00	11.00	9.47	8.18	98.00
POND 13E1_3	10	0.46	0.46	0.46	0.00	0.00	0.00	0.00	0.00	0.00	5.50	3.97	4.95	98.00
POND 13E2_1	10	0.97	0.97	0.00	0.00	0.97	0.00	0.00	0.00	0.00	3.50	1.97	0.45	95.69
POND 13E2_2	10	0.44	0.44	0.44	0.00	0.00	0.00	0.00	0.00	0.00	6.00	4.47	8.18	98.00
POND 13E3	10	2.20	2.20	0.00	1.14	1.06	0.00	0.00	0.00	0.00	6.00	4.47	8.18	71.73
SYSTEM TOTALS		19.78	19.78	13.86	1.14	4.78	0.00	0.00	0.00	0.00	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 13 **SHGWT EL. (ft-NAVD): 1.53**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
13B07	10	0.66	0.66	0.66	0.00	0.00	0.00	0.00	0.00	0.00	8.00	6.47	8.18	98.00
13B08	10	1.18	1.18	1.18	0.00	0.00	0.00	0.00	0.00	0.00	6.00	4.47	8.18	98.00
13B11	10	2.83	2.83	2.08	0.00	0.75	0.00	0.00	0.00	0.00	5.20	3.67	4.95	88.40
13B12	10	0.78	0.78	0.78	0.00	0.00	0.00	0.00	0.00	0.00	8.70	7.17	8.18	98.00
13B17	10	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	9.30	7.77	8.18	98.00
13B19	10	0.91	0.91	0.91	0.00	0.00	0.00	0.00	0.00	0.00	12.30	10.77	8.18	98.00
13B21	10	0.71	0.71	0.71	0.00	0.00	0.00	0.00	0.00	0.00	11.50	9.97	8.18	98.00
13B22	10	1.73	1.73	1.73	0.00	0.00	0.00	0.00	0.00	0.00	20.40	18.87	8.18	98.00
13B24	10	0.64	0.64	0.64	0.00	0.00	0.00	0.00	0.00	0.00	19.80	18.27	8.18	98.00
13B27	10	0.44	0.44	0.44	0.00	0.00	0.00	0.00	0.00	0.00	26.00	24.47	8.18	98.00
13B48	10	0.49	0.49	0.49	0.00	0.00	0.00	0.00	0.00	0.00	4.90	3.37	4.95	98.00
13B50	10	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	5.70	4.17	8.18	98.00
13B51	10	0.54	0.54	0.54	0.00	0.00	0.00	0.00	0.00	0.00	7.00	5.47	8.18	98.00
13B53	10	0.68	0.68	0.68	0.00	0.00	0.00	0.00	0.00	0.00	8.30	6.77	8.18	98.00
13B63	10	0.12	0.12	0.12	0.00	0.00	0.00	0.00	0.00	0.00	5.00	3.47	4.95	98.00
13B63A	10	0.12	0.12	0.12	0.00	0.00	0.00	0.00	0.00	0.00	6.00	4.47	8.18	98.00
13B63B	10	0.11	0.11	0.11	0.00	0.00	0.00	0.00	0.00	0.00	5.70	4.17	8.18	98.00
13B88	10	0.33	0.33	0.33	0.00	0.00	0.00	0.00	0.00	0.00	6.70	5.17	8.18	98.00
13B89	10	0.20	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00	7.20	5.67	8.18	98.00
13B90	10	0.12	0.12	0.12	0.00	0.00	0.00	0.00	0.00	0.00	7.90	6.37	8.18	98.00
13B91	10	0.42	0.42	0.42	0.00	0.00	0.00	0.00	0.00	0.00	7.70	6.17	8.18	98.00
13B103	10	0.38	0.38	0.38	0.00	0.00	0.00	0.00	0.00	0.00	7.70	6.17	8.18	98.00
POND 13E1_1	10	2.41	2.41	0.08	0.81	1.52	0.00	0.00	0.00	0.00	4.00	2.47	1.88	89.40
POND 13E1_2	10	1.68	1.68	1.68	0.00	0.00	0.00	0.00	0.00	0.00	11.00	9.47	8.18	98.00
POND 13E1_3	10	0.51	0.51	0.51	0.00	0.00	0.00	0.00	0.00	0.00	5.50	3.97	4.95	98.00
POND 13E3_1	10	3.61	3.61	0.00	1.63	1.98	0.00	0.00	0.00	0.00	3.50	1.97	0.45	97.59
POND 13E3_2	10	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	6.00	4.47	8.18	98.00
PRCS13S104 TOTALS		23.65	23.65	16.96	2.44	4.25	0.00	0.00	0.00	0.00	-	-	-	-
SYSTEM TOTALS		23.65	23.65	16.96	2.44	4.25	0.00	0.00	0.00	0.00	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY SUMMARY

Drainage System: ***10, 11, 12, 13***

SYSTEM - CONTROL STRUCTURE	SHGWT EL. (ft-NAVD)	TOTAL ONSITE AREA (Ac.) *[POST-DEV.]*	ONSITE IMPERVIOUS AREA (Ac.) *[POST-DEV.]*	ONSITE PERVIOUS AREA (Ac.) *[POST-DEV.]*	SFWMD 1" OVER TOTAL ONSITE AREA (Ac-ft)	SFWMD 2.5" OVER IMPERVIOUS AREA (Ac-ft)	[1] SFWMD WATER QUALITY TREATMENT REQUIRED FOR RETENTION	[2]DRER WATER QUALITY TREATMENT REQUIRED (Ac-ft)	[3]DRY- / WET-RETENTION TREATMENT VOLUME PROVIDED (Ac-ft)	FRENCH DRAIN TREATMENT VOLUME PROVIDED (Ac-ft)	TOTAL TREATMENT VOLUME PROVIDED (Ac-ft)	SFWMD SURPLUS TREATMENT VOLUME PROVIDED (Ac-ft)
10 - EXCS10S69	1.53	1.39	0.40	0.99	0.12	0.08	**0.12**	0.14	0.88	0.00	**0.88**	**0.76**
10 - PRCS10S116	1.53	4.36	3.84	0.52	0.36	0.80	**0.80**	0.59	0.77	0.27	**1.04**	**0.24**
10 - [3]PRCS10S72	1.53	19.67	16.55	3.12	1.64	3.45	**3.45**	2.62	2.49	1.25	**3.74**	**0.29**
11 - PRCS11S100	1.53	22.70	19.44	1.92	1.89	4.05	**4.05**	3.12	6.46	0.90	**7.36**	**3.31**
12 - PRCS12S100	1.53	13.41	6.14	5.04	1.12	1.28	**1.28**	1.63	9.47	0.00	**9.47**	**7.83**
13 - PRCS13S104	1.53	23.65	16.96	4.25	1.97	3.53	**3.53**	3.13	10.52	0.17	**10.69**	**7.15**
TOTALS	1.53	85.18	63.33	15.84	7.10	13.19	**13.19**	11.24	30.58	2.59	**33.17**	**19.98**

[1] 2.5" over Additional Impervious Area.

[2] See next page for water quality calculations by Miami-Dade Department of Regulatory and Economic Resources (DRER).

[3] Multiplied by 2 to account for 50% retention volume credit.

EXCS10S69

Pond 10E1			Pond 10E2			Swale 10E1		
TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.53	0.13	--	2.53	0.10	--	2.53	0.11	--
2.93	0.14	0.05	2.93	0.11	0.04	***3.68***	***0.14***	***0.14***
3.43	0.15	0.13	3.43	0.12	0.10	5.93	0.20	0.53
3.68	***0.16***	***0.16***	***3.68***	***0.13***	***0.13***			
3.93	0.16	0.20	3.93	0.14	0.16			
4.43	0.17	0.29	4.43	0.15	0.24			
4.93	0.18	0.37	4.93	0.16	0.31			

PRCS10S116

Pond 10E4		
TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.53	0.17	--
4.50	***0.22***	***0.38***
5.93	0.29	0.75

PRCS10S72

Pond 10E3			Swale 10W5			Swale 10W6			Pond 10W7		
TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.53	0.47	--	2.53	0.01	--	2.53	0.07	--	2.53	0.63	--
3.50	***0.51***	***0.48***	***3.50***	***0.01***	***0.01***	***3.50***	***0.11***	***0.09***	***3.50***	***0.75***	***0.67***
5.43	0.53	1.48	5.50	0.02	0.04	5.50	0.20	0.40	5.50	1.01	2.44

PRCS11S100

Pond 11W1			Pond 11W2			Swale 11W2		
TYPE:	Dry Retention		TYPE:	Wet Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.53	0.43	--	1.53	1.34	--	2.53	0.00	--
3.50	***0.43***	***0.42***	3.43	1.50	2.70	2.93	0.00	0.00
9.43	0.46	3.07	***3.50***	***1.51***	***2.80***	3.43	0.01	0.00
			7.43	1.80	9.30	***3.50***	***0.01***	***0.01***
						4.43	0.03	0.03
						5.43	0.06	0.07
						6.43	0.09	0.15

PRCS12S100

Pond 12W1			Pond 12W4		
TYPE:	Wet Retention		TYPE:	Wet Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
1.53	0.80	--	1.53	1.43	--
3.50	***0.97***	***1.74***	***3.50***	***1.61***	***2.99***
6.50	1.22	5.02	6.50	1.88	8.23

PRCS13S104

Pond 13E1			Pond 13E3		
TYPE:	Wet Retention		TYPE:	Wet Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
1.53	0.81	--	1.53	1.63	--
3.50	***1.00***	***1.78***	***3.50***	***1.90***	***3.48***
6.50	1.28	5.19	6.50	2.32	9.82

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY CALCULATIONS BY DRER

Drainage System: 13

AREA (PRCS13S104):

Onsite Impervious	**16.96**	Ac.	72%
Onsite Pervious	**4.25**	Ac.	18%
Onsite Water Surface	**2.44**	Ac.	10%
Total Area	**23.65**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*
	Cws. =	*90*	*0.90*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.79 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV} + Aws \times Cws) / A_T = \mathbf{0.79}$$

$t_{1"}$ = 11.66 min.

TOTAL TIME OF CONCENTRATION (T_T)

$T_T = t_{1"} + Tc =$ 21.66 min.

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.60 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ Q_{1"}\ T_T =$ **136244.78** ft^3 = **3.13** **ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

Variable Groundwater Calculations

Drainage System:	***13***

Stage = DHW + [PRG x (RF - DHW)]
See ADICPR Technical Design Guide 2-25

Elevation Conversion:	-1.57	ft.	(NGVD-NAVD)

DHW =	3.10	ft. - NGVD	Design High Water / October Average Groundwater Elevation
	1.53	ft. - NAVD	(MD PWD - W.C. 2.2)
RF =	4.55	ft. - NGVD	Return Frequency Groundwater Elevation / Average Yearly Highest Groundwater Level (AYH) (MD
	2.98	ft. - NAVD	PWD - W.C. 2.1)
PRG=	Variable		(Percentage Rise in Groundwater)

8-hr Design Storm Duration		
Time	PRG	Stage
(hrs)	%	(ft)
0	0.00	1.53
1	0.02	1.56
2	0.13	1.72
3	0.28	1.94
4	0.70	2.55
5	0.86	2.78
6	0.92	2.86
7	0.97	2.94
8	1.00	2.98
12	0.00	1.53

24-hr Design Storm Duration		
Time	PRG	Stage
(hrs)	%	(ft)
0	0.00	1.53
1	0.01	1.54
2	0.03	1.57
3	0.06	1.62
4	0.09	1.66
5	0.12	1.70
6	0.16	1.76
7	0.20	1.82
8	0.24	1.88
9	0.30	1.97
10	0.36	2.05
11	0.44	2.17
12	0.54	2.31
13	0.61	2.41
14	0.67	2.50
15	0.73	2.59
16	0.78	2.66
17	0.82	2.72
18	0.86	2.78
19	0.90	2.84
20	0.93	2.88
21	0.96	2.92
22	0.98	2.95
23	0.99	2.97
24	1.00	2.98
36	0.00	1.53

72-hr Design Storm Duration		
Time	PRG	Stage
(hrs)	%	(ft)
0	0.00	1.53
24	0.11	1.69
36	0.19	1.80
48	0.26	1.91
49	0.27	1.92
50	0.28	1.93
51	0.29	1.95
52	0.30	1.96
53	0.31	1.98
54	0.33	2.00
55	0.34	2.03
56	0.37	2.06
57	0.39	2.10
57.5	0.40	2.12
58	0.42	2.14
58.5	0.44	2.17
59	0.46	2.20
59.5	0.50	2.25
60	0.75	2.61
60.5	0.80	2.69
61	0.83	2.73
61.5	0.85	2.76
62	0.87	2.79
62.5	0.88	2.80
63	0.89	2.82
64	0.91	2.85
65	0.92	2.87
66	0.94	2.89
68	0.96	2.93
70	0.98	2.95
72	1.00	2.98
108	0.00	1.53

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

AVERAGE HYDRAULIC CONDUCTIVITY AND TEST HOLE DEPTH CALCULATIONS

SR-826/PALMETTO EXPRESSWAY - SYSTEM 13							
Test Depth	[1]Percolation Test Number (EX-#) and Ground Elevation					Average	Average FD K value
	EX-5	EX-6	EX-7	EX-8	-		
	5.8	6	5.8	5.8	-	5.85	
	(cfs/ft^2-ft Head)	(cfs/ft^2-ft Head)	(cfs/ft^2-ft Head)	(cfs/ft^2-ft Head)	(cfs/ft^2-ft Head)	(cfs/ft^2-ft Head)	(cfs/ft^2-ft Head)
10 ft	7.27E-04	3.24E-05	8.30E-03	1.68E-04	-	4.48E-04	4.48E-04
15 ft	-	-	-	-	-	-	
20 ft	-	-	-	-	-	-	

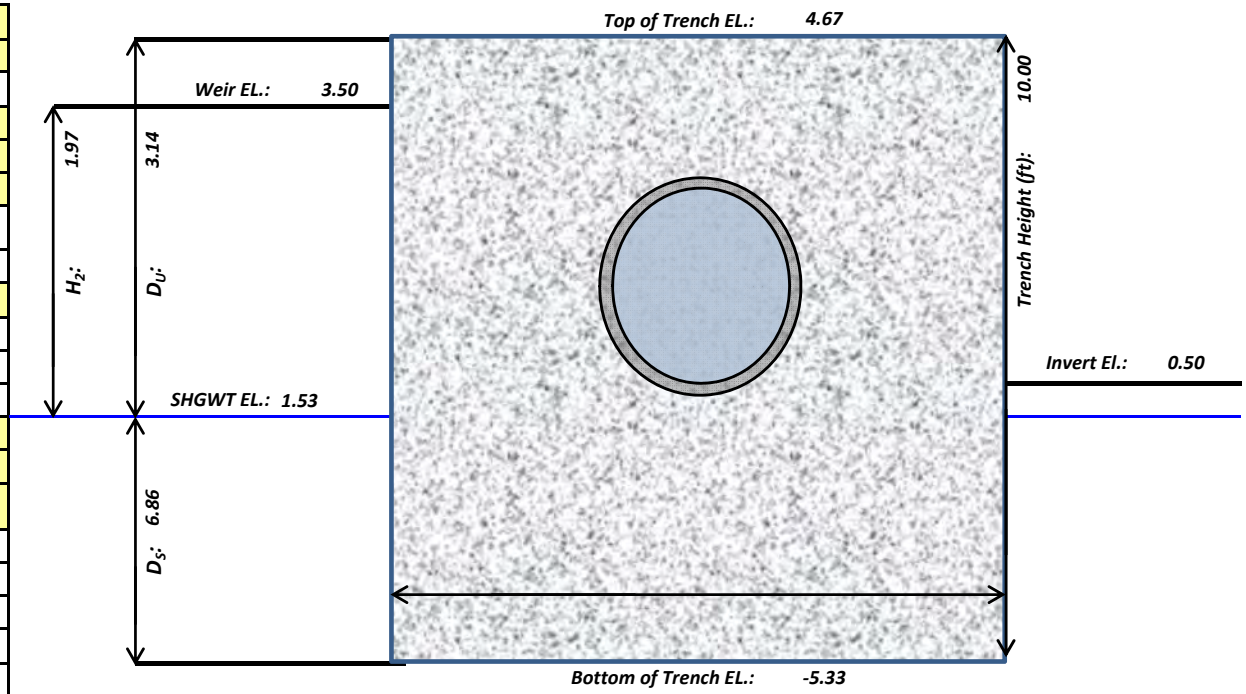
[1]Exfiltration test information derived from FPID 24964815201, Supplement No. 1 to Drainage Report, Section 8.2, Soil Test Information.

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 13

French Drain (ICPR Link Name):	**PR13S100_13GW1 / PR13S101_13GW1**
Existing/Proposed:	**Proposed**
SHGWT EL. (ft-NAVD):	**1.53**
Pipe Size (in):	**36**
Effective Length of French Drain, *L* (LF):	**254.0**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, *L* (LF):	**127.00**
Pipe Thickness (in):	**4.00**
Pipe Invert EL. (ft-NAVD):	**0.50**
Top of Trench EL. (ft-NAVD):	4.67
Bottom of Trench EL. (ft-NAVD):	-5.33
Trench Height, H_T (ft):	10.00
Weir EL. (ft-NAVD):	3.50
Trench Width, *W* (ft):	6.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**4.48E-04**
Depth to Water Table, H_2 (ft):	1.97
Non-Saturated Trench Depth, D_U (ft):	3.14
Saturated Trench Depth, D_S (ft):	6.86
H_2W:	11.82
$2H_2D_U$:	12.36
D_U^2:	9.84
$2H_2D_S$:	27.04
$(1.39x10^{-4})WD_U$:	0.002616
d_2:	1.18
d_3:	0.00
K_{10}:	4.48E-04
K_{15}:	0
K_{20}:	0
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	**N/A***
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	**2.01**
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**0.17**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 13

French Drain (ICPR Link Name): **PR13S100_13GW1 / PR13S101_13GW1**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **63.50**

Trench Height, H_T (ft): **10.00**

Trench Width, *W* (ft): **6.00**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **4.475E-04**

Pipe Invert EL. (ft-NAVD): **0.50**

Top of Trench EL. (ft-NAVD): **4.67**

Bottom of Trench EL. (ft-NAVD): **-5.33**

Weir EL. (ft-NAVD): **3.50**

Upstream Structure Rim/Grate EL. (ft-NAVD): **7.80**

SHGWT EL. (ft-NAVD): **1.53**

Max GW EL. (ft-NAVD): ***5.00***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.98**

*** Per Miami-Dade Public Works Design Standard W.C. 2.1*

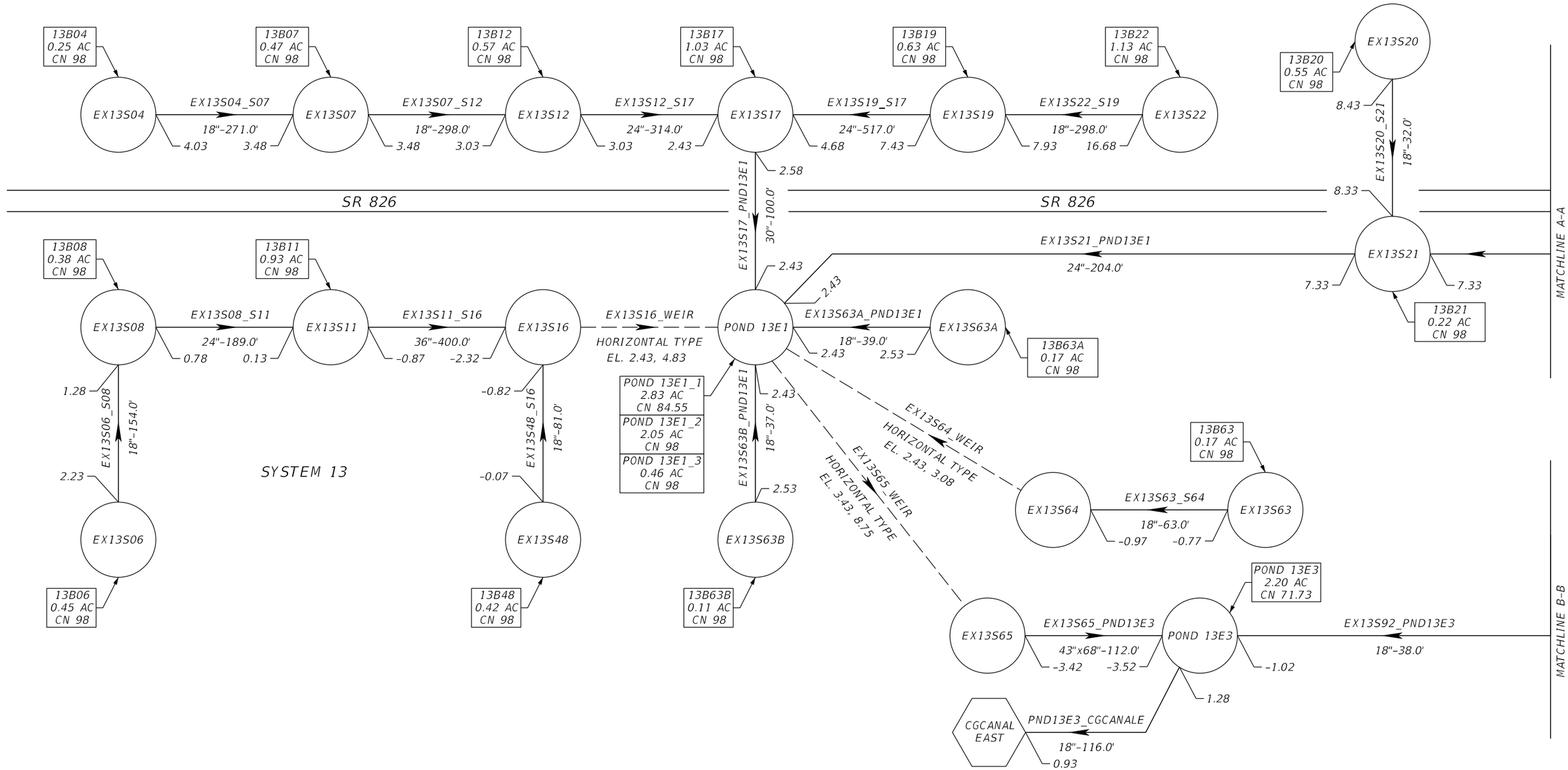
Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.50E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.53	**1.53**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.53	**4.67**	3.14	5.68	3.14	0.02035	**1.2921**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.53	**5.00**	3.14	5.68	3.47	0.02298	**1.4591**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.98	**2.98**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.98	**4.67**	1.69	6.68	1.69	0.01136	**0.7212**	$E = 2K_{10} D_U (D_U/2 + d_S)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.98	**5.00**	1.69	6.68	2.02	0.01385	**0.8797**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.53	**1.53**	**0.0000**
1.53	**4.67**	**1.2921**
1.53	**5.00**	**1.4591**
2.98	**2.98**	**0.0000**
2.98	**4.67**	**0.7212**
2.98	**5.00**	**0.8797**



LEGEND

B-### #.## AC CN ##.# — CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER	NODE NAME — BOUNDARY NODE WITH CONSTANT TAILWATER	###-### ##"-###' #.## #.## — EXFILTRATION TRENCH LINK WITH SIZE-LENGTH INVERT ELEVATION	####_WEIR VERTICAL TYPE EL. #.##, ## — WEIR LINK WITH WEIR TYPE ELEVATION, WIDTH	###### CHANNEL ###' #.## #.## — CHANNEL LINK WITH LENGTH INVERT ELEVATION
#-### — NODE NAME	PATRICIA LAKE — BOUNDARY NODE WITH VARIABLE TAILWATER	###-### (#)##"-###' #.## #.## — PIPE LINK WITH (QUANTITY)SIZE-LENGTH INVERT ELEVATION	##_## — RATING CURVE LINK	

N.T.S.

1 OF 2

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

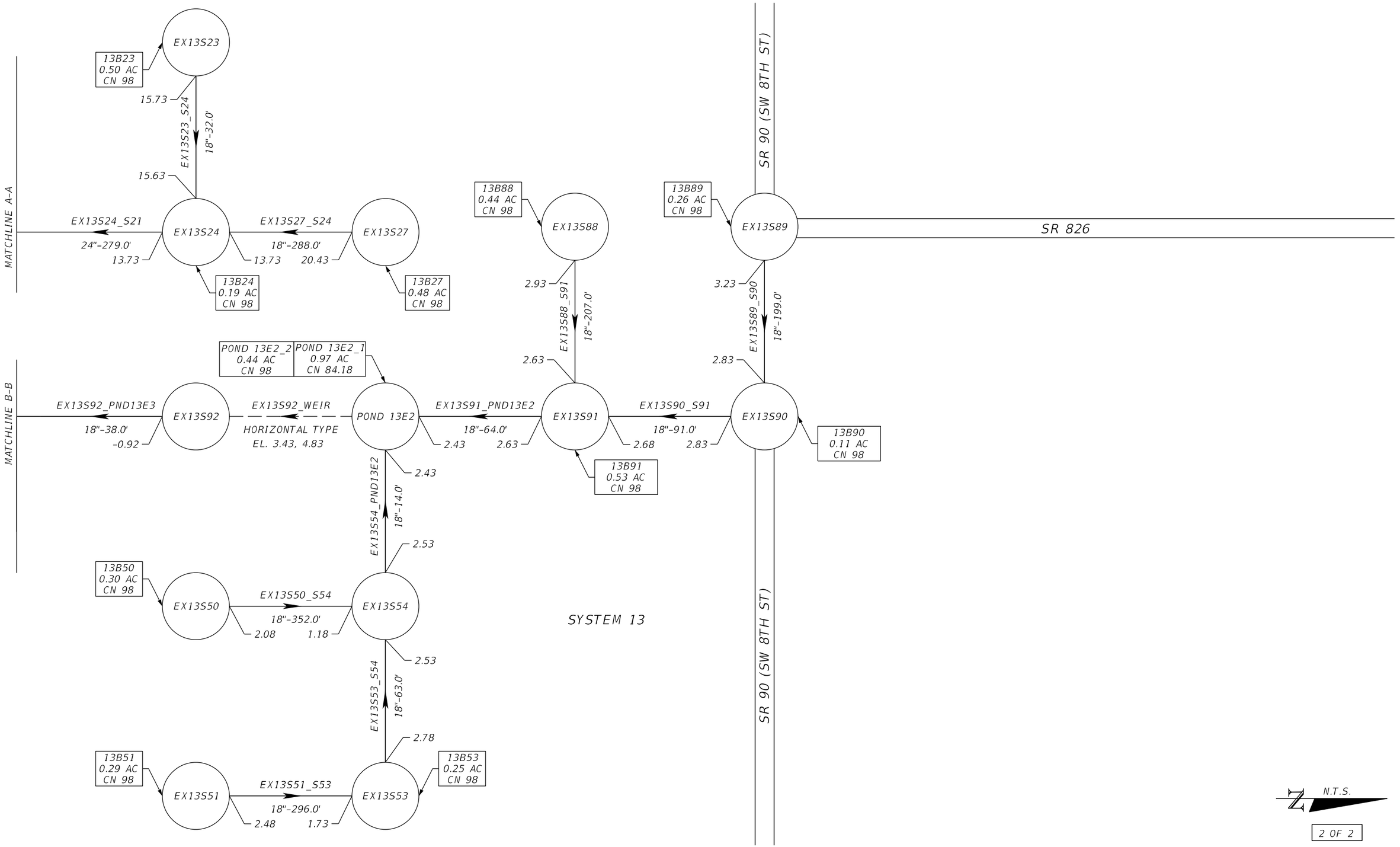
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



2 OF 2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-2

Simple Basin: 13B04

Scenario:	Scenario1
Node:	EX13S04
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B06

Scenario:	Scenario1
Node:	EX13S06
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B07

Scenario:	Scenario1
Node:	EX13S07
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B08

Scenario:	Scenario1
Node:	EX13S08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B11

Scenario:	Scenario1
Node:	EX13S11
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B12

Scenario:	Scenario1
Node:	EX13S12
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B17

Scenario:	Scenario1
Node:	EX13S17
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B19

Scenario:	Scenario1
Node:	EX13S19
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B20

Scenario:	Scenario1
Node:	EX13S20
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B21

Scenario:	Scenario1
Node:	EX13S21
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B22

Scenario:	Scenario1
Node:	EX13S22
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B23

Scenario:	Scenario1
Node:	EX13S23
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B24

Scenario:	Scenario1
Node:	EX13S24
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B27

Scenario:	Scenario1
Node:	EX13S27
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B48

Scenario:	Scenario1
Node:	EX13S48
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B50

Scenario:	Scenario1
Node:	EX13S50
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B51

Scenario:	Scenario1
Node:	EX13S51
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B53

Scenario:	Scenario1
Node:	EX13S53
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B63

Scenario:	Scenario1
Node:	EX13S63
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B63A

Scenario:	Scenario1
Node:	EX13S63A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B63B

Scenario:	Scenario1
Node:	EX13S63B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B88

Scenario:	Scenario1
Node:	EX13S88
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B89

Scenario:	Scenario1
Node:	EX13S89
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B90

Scenario:	Scenario1
Node:	EX13S90
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B91

Scenario:	Scenario1
Node:	EX13S91
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 13E1_1

Scenario:	Scenario1
Node:	POND 13E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8300 ac
Curve Number:	84.6
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 13E1_2

Scenario:	Scenario1
Node:	POND 13E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.0500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 13E1_3

Scenario:	Scenario1
Node:	POND 13E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 13E2_1

Scenario:	Scenario1
Node:	POND 13E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9700 ac
Curve Number:	95.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 13E2_2

Scenario:	Scenario1
Node:	POND 13E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 13E3

Scenario:	Scenario1
Node:	POND 13E3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2000 ac
Curve Number:	71.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Node: CGCANALEAST3

Scenario:	Scenario1
Type:	Time/Stage
Base Flow:	0.00 cfs
Initial Stage:	1.43 ft
Warning Stage:	3.43 ft
Boundary Stage:	VARIABLE CANAL

Comment:

Node: EX13S04

Scenario:	Scenario1
Type:	Stage/Area
Base Flow:	0.00 cfs
Initial Stage:	4.03 ft
Warning Stage:	7.81 ft

Stage [ft]	Area [ac]	Area [ft2]
2.03	0.0003	12
7.81	0.0003	12
7.82	0.0028	122

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S06

Scenario:	Scenario1
Type:	Stage/Area
Base Flow:	0.00 cfs
Initial Stage:	2.23 ft

Warning Stage: 6.72 ft

Stage [ft]	Area [ac]	Area [ft2]
0.66	0.0007	29
6.72	0.0007	29
6.73	0.0067	294

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S07

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.48 ft
Warning Stage: 7.98 ft

Stage [ft]	Area [ac]	Area [ft2]
1.91	0.0003	12
7.98	0.0003	12
7.99	0.0028	122

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S08

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.22	0.0008	37
6.00	0.0008	37
6.01	0.0084	367

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S11

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft

Warning Stage: 5.15 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.87	0.0009	40
5.15	0.0009	40
5.16	0.0093	404

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S12

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.03 ft
Warning Stage: 8.65 ft

Stage [ft]	Area [ac]	Area [ft2]
1.03	0.0006	24
8.65	0.0006	24
8.66	0.0055	240

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S16

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 4.30 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.82	0.0006	24
2.43	0.0006	24
2.44	0.0056	242

Comment: WARNING STAGE TAKEN AT POND TOP. GRATE ELEVATION AT 2.43

FROM FPID NO. 249649-1-52-01

Node: EX13S17

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 9.34 ft

Stage [ft]	Area [ac]	Area [ft2]
0.43	0.0005	20
9.34	0.0005	20
9.35	0.0046	200

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S19

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.43 ft
Warning Stage: 12.29 ft

Stage [ft]	Area [ac]	Area [ft2]
5.43	0.0007	29
12.29	0.0007	29
12.30	0.0067	294

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S20

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.43 ft
Warning Stage: 14.06 ft

Stage [ft]	Area [ac]	Area [ft2]
6.43	0.0003	12
14.06	0.0003	12
14.07	0.0027	119

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S21

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 7.33 ft
Warning Stage: 11.53 ft

Stage [ft]	Area [ac]	Area [ft2]
5.33	0.0003	12
11.53	0.0003	12
11.54	0.0027	117

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S22

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.68 ft
Warning Stage: 20.39 ft

Stage [ft]	Area [ac]	Area [ft2]
14.68	0.0002	8
20.39	0.0002	8
20.40	0.0018	80

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S23

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.73 ft
Warning Stage: 23.43 ft

Stage [ft]	Area [ac]	Area [ft2]
13.73	0.0003	12
23.43	0.0003	12
23.44	0.0027	119

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S24

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 13.73 ft
Warning Stage: 19.77 ft

Stage [ft]	Area [ac]	Area [ft2]
11.73	0.0003	12
19.77	0.0003	12
19.78	0.0027	117

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S27

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.43 ft
Warning Stage: 26.06 ft

Stage [ft]	Area [ac]	Area [ft2]
18.43	0.0003	12
26.06	0.0003	12
26.07	0.0027	117

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S48

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 4.92 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.07	0.0011	50
4.92	0.0011	50
4.93	0.0114	498

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S50

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 2.08 ft
Warning Stage: 5.74 ft

Stage [ft]	Area [ac]	Area [ft2]
0.08	0.0003	12
5.74	0.0003	12
5.75	0.0027	117

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S51

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.48 ft
Warning Stage: 6.99 ft

Stage [ft]	Area [ac]	Area [ft2]
0.48	0.0008	37
6.99	0.0008	37
7.00	0.0084	367

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S53

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.73 ft
Warning Stage: 8.33 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.27	0.0008	37
8.33	0.0008	37
8.34	0.0084	367

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S54

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 7.31 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.82	0.0003	12
7.31	0.0003	12
7.32	0.0028	122

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S63

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 4.96 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.77	0.0003	12
4.96	0.0003	12
4.97	0.0027	117

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S63A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.53 ft
Warning Stage: 6.03 ft

Stage [ft]	Area [ac]	Area [ft2]
0.53	0.0003	12
6.03	0.0003	12
6.04	0.0027	117

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S63B

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 2.53 ft
Warning Stage: 5.74 ft

Stage [ft]	Area [ac]	Area [ft2]
0.53	0.0003	12
5.74	0.0003	12
5.75	0.0027	117

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S64

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 4.30 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.97	0.0001	6
2.43	0.0001	6
2.44	0.0014	62

Comment: WARNING STAGE TAKEN AT POND TOP. GRATE ELEVATION AT 2.43

FROM FPID NO. 249649-1-52-01

Node: EX13S65

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 4.30 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.92	0.0014	61
3.43	0.0014	61
3.44	0.0141	613

Comment: WARNING STAGE TAKEN AT POND TOP. GRATE ELEVATION AT 3.43

FROM FPID NO. 249649-1-52-01

Node: EX13S88

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.93 ft
Warning Stage: 6.65 ft

Stage [ft]	Area [ac]	Area [ft2]
0.93	0.0003	12
6.65	0.0003	12
6.66	0.0027	119

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S89

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.23 ft
Warning Stage: 7.23 ft

Stage [ft]	Area [ac]	Area [ft2]
1.23	0.0003	12
7.23	0.0003	12
7.24	0.0027	119

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S90

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.83 ft
Warning Stage: 7.93 ft

Stage [ft]	Area [ac]	Area [ft2]
0.83	0.0003	12
7.93	0.0003	12
7.94	0.0027	119

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S91

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.63 ft
Warning Stage: 7.67 ft

Stage [ft]	Area [ac]	Area [ft2]
0.63	0.0003	14
7.67	0.0003	14
7.68	0.0032	140

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S92

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 4.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.42	0.0006	24
3.43	0.0006	24
3.44	0.0056	242

Comment: WARNING STAGE TAKEN AT POND TOP. GRATE ELEVATION AT 3.43

FROM FPID NO. 249649-1-52-01

Node: POND 13E1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 4.30 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	1.4100	61420
3.00	1.5500	67518
4.00	1.7400	75794
4.30	1.8000	78408

Comment: FROM FPID NO. 249649-1-52-01

Node: POND 13E2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 4.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.3400	14810
3.00	0.3600	15682
4.43	0.5200	22651

Comment: FROM FPID NO. 249649-1-52-01

Node: POND 13E3

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 3.43 ft

Stage [ft]	Area [ac]	Area [ft2]
1.43	1.1400	49658
3.43	1.2300	53579
4.43	1.7500	76230

Comment: FROM FPID NO. 249649-1-52-01

Pipe Link: EX13S04_S07

		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.03 ft	Invert:	3.48 ft
From Node:	EX13S04	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX13S07	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	271.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S06_S08		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.23 ft	Invert:	1.28 ft
From Node:	EX13S06	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX13S08	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	154.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S07_S12		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.48 ft	Invert:	3.03 ft
From Node:	EX13S07	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX13S12	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	298.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S08_S11		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.78 ft	Invert:	0.13 ft
From Node:	EX13S08	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX13S11	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	189.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S11_S16		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.87 ft	Invert:	-2.32 ft
From Node:	EX13S11	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX13S16	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	400.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S12_S17		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.03 ft	Invert:	2.43 ft
From Node:	EX13S12	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX13S17	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	314.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX13S16_WEIR		
Scenario:	Scenario1	Bottom Clip

From Node:	EX13S16
To Node:	POND 13E1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.43 ft
Control Elevation:	2.43 ft
Max Depth:	4.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: EX13S17_PND13E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.58 ft	Invert:	2.43 ft
From Node:	EX13S17	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 13E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	100.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S19_S17		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.43 ft	Invert:	4.68 ft
From Node:	EX13S19	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX13S17	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	517.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S20_S21		Upstream		Downstream	
Scenario:	Scenario1	Invert:	8.43 ft	Invert:	8.33 ft
From Node:	EX13S20	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX13S21	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	32.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S21_PND13E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.33 ft	Invert:	2.43 ft
From Node:	EX13S21	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 13E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	204.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S22_S19		Upstream		Downstream	
Scenario:	Scenario1	Invert:	16.68 ft	Invert:	7.93 ft
From Node:	EX13S22	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX13S19	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	298.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S23_S24		Upstream		Downstream	
Scenario:	Scenario1	Invert:	15.73 ft	Invert:	15.63 ft
From Node:	EX13S23	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX13S24	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	32.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S24_S21		Upstream		Downstream	
Scenario:	Scenario1	Invert:	13.73 ft	Invert:	7.33 ft
From Node:	EX13S24	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX13S21	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	279.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S27_S24		Upstream		Downstream	
Scenario:	Scenario1	Invert:	20.43 ft	Invert:	13.73 ft
From Node:	EX13S27	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX13S24	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	288.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S48_S16		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.07 ft	Invert:	-0.82 ft
From Node:	EX13S48	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX13S16	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	81.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S50_S54		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.08 ft	Invert:	1.18 ft
From Node:	EX13S50	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX13S54	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	352.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S51_S53		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.48 ft	Invert:	1.73 ft
From Node:	EX13S51	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX13S53	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	296.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S53_S54		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.78 ft	Invert:	2.53 ft
From Node:	EX13S53	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX13S54	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	63.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S54_PND13E2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.53 ft	Invert:	2.43 ft
From Node:	EX13S54	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 13E2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	14.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S63A_PND13E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.53 ft	Invert:	2.43 ft
From Node:	EX13S63A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 13E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	39.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S63B_PND13E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.53 ft	Invert:	2.43 ft
From Node:	EX13S63B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 13E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	37.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S63_S64		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.77 ft	Invert:	-0.97 ft
From Node:	EX13S63	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX13S64	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	63.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX13S64_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	EX13S64	Default:	0.00 ft
To Node:	POND 13E1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.43 ft	Discharge Coefficients	
Control Elevation:	2.43 ft	Weir Default:	2.800
Max Depth:	2.00 ft	Weir Table:	
Max Width:	3.08 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EX13S65_PND13E3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-3.42 ft	Invert:	-3.52 ft
From Node:	EX13S65	Manning's N:	0.0120	Manning's N:	0.0120

		Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
To Node:	POND 13E3	Max Depth:	3.58 ft	Max Depth:	3.58 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	112.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX13S65_WEIR

		Bottom Clip	
Scenario:	Scenario1	Default:	0.00 ft
From Node:	POND 13E1	Op Table:	
To Node:	EX13S65	Ref Node:	
Link Count:	1	Top Clip	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Horizontal	Ref Node:	
Geometry Type:	Rectangular	Discharge Coefficients	
Invert:	3.43 ft	Weir Default:	2.800
Control Elevation:	3.43 ft	Weir Table:	
Max Depth:	3.00 ft	Orifice Default:	0.600
Max Width:	8.75 ft	Orifice Table:	
Fillet:	0.00 ft		

Comment:

Pipe Link: EX13S88_S91		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.93 ft	Invert:	2.63 ft
From Node:	EX13S88	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX13S91	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	207.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S89_S90		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.23 ft	Invert:	2.83 ft
From Node:	EX13S89	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX13S90	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	199.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S90_S91		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.83 ft	Invert:	2.68 ft
From Node:	EX13S90	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX13S91	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	91.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S91_PND13E2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.63 ft	Invert:	2.43 ft
From Node:	EX13S91	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 13E2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	64.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S92_PND13E3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.92 ft	Invert:	-1.02 ft
From Node:	EX13S92	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 13E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	38.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX13S92_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	POND 13E2	Default:	0.00 ft
To Node:	EX13S92	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.43 ft	Discharge Coefficients	
Control Elevation:	3.43 ft	Weir Default:	2.800
Max Depth:	4.33 ft	Weir Table:	
Max Width:	4.83 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: PND13E3_CGCANALE		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.28 ft	Invert:	0.93 ft
From Node:	POND 13E3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CGCANALEAST3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	116.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Boundary Stage: VARIABLE CANAL

Boundary Stage Set: 100Y-1H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE CANAL

Boundary Stage Set: 100Y-24H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE CANAL

Boundary Stage Set: 100Y-8H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE CANAL

Boundary Stage Set: 10Y-1H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE CANAL

Boundary Stage Set: 10Y-24H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE CANAL

Boundary Stage Set: 10Y-8H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE CANAL

Boundary Stage Set: 25Y-72H

Year	Month	Day	Hour [hr]	Stage [ft]

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Simulation: 100Y-1H

Scenario: Scenario1
Run Date/Time: 8/16/2019 2:24:16 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Lookup Tables

Rainfall Folder:	Icpr3	Boundary Stage Set:	100Y-1H
Reference ET Folder:		Extern Hydrograph Set:	
Unit Hydrograph Folder:	Icpr3	Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	
		Roughness Set:	
		Crop Coef Set:	
		Fillable Porosity Set:	
		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	5.10 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100Y-24H

Scenario:	Scenario1
Run Date/Time:	8/16/2019 2:24:24 PM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]

Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:	Icpr3
Reference ET Folder:	
Unit Hydrograph Folder:	Icpr3

Lookup Tables

Boundary Stage Set:	100Y-24H
Extern Hydrograph Set:	
Curve Number Set:	
Green-Ampt Set:	
Vertical Layers Set:	
Impervious Set:	
Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	13.44 in

Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100Y-8H

Scenario: Scenario1
Run Date/Time: 8/16/2019 2:24:39 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:	Icpr3	Boundary Stage Set:	100Y-8H
Reference ET Folder:		Extern Hydrograph Set:	
Unit Hydrograph Folder:	Icpr3	Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	
		Roughness Set:	
		Crop Coef Set:	
		Fillable Porosity Set:	
		Conductivity Set:	
		Leakage Set:	

Tolerances & Options			
Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	9.60 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-1H

Scenario:	Scenario1
Run Date/Time:	8/16/2019 2:24:50 PM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 10Y-1H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global

Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.55 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-24H

Scenario: Scenario1
Run Date/Time: 8/16/2019 2:24:56 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:	Icpr3
Reference ET Folder:	
Unit Hydrograph Folder:	Icpr3

Lookup Tables

Boundary Stage Set:	10Y-24H
Extern Hydrograph Set:	
Curve Number Set:	
Green-Ampt Set:	
Vertical Layers Set:	
Impervious Set:	
Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	8.88 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-8H

Scenario:	Scenario1
Run Date/Time:	8/16/2019 2:25:14 PM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000

End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	20.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 10Y-8H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain: Global

		Opt:	
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	6.80 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25Y-72H

Scenario: Scenario1
Run Date/Time: 8/16/2019 2:25:23 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	30.0000
0	0	0	55.0000	15.0000
0	0	0	65.0000	30.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	30.0000
0	0	0	55.0000	15.0000
0	0	0	65.0000	30.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 25Y-72H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~SFWMD-72
Rainfall Amount: 14.00 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
CGCANALEAST3	100Y-1H	3.43	1.95	0.0002	13.90	0.30	0
EX13S04	100Y-1H	7.81	6.52	0.0010	1.96	1.95	213
EX13S06	100Y-1H	6.72	4.53	0.0008	3.53	3.38	140
EX13S07	100Y-1H	7.98	6.44	0.0010	5.59	5.58	435
EX13S08	100Y-1H	6.00	4.46	0.0010	6.36	6.22	324
EX13S11	100Y-1H	5.15	4.41	0.0010	13.51	13.36	448
EX13S12	100Y-1H	8.65	5.73	0.0010	10.01	10.01	558
EX13S16	100Y-1H	4.30	4.36	0.0010	16.51	16.19	255
EX13S17	100Y-1H	9.34	5.20	0.0010	31.83	31.82	941
EX13S19	100Y-1H	12.29	8.77	0.0009	13.80	13.79	766
EX13S20	100Y-1H	14.06	9.33	0.0007	4.31	4.31	113
EX13S21	100Y-1H	11.53	8.74	0.0009	15.20	15.19	501
EX13S22	100Y-1H	20.39	17.83	0.0010	8.86	8.86	230
EX13S23	100Y-1H	23.43	16.58	0.0007	3.92	3.92	113
EX13S24	100Y-1H	19.77	14.81	0.0008	9.17	9.17	499
EX13S27	100Y-1H	26.06	21.17	0.0005	3.77	3.76	227
EX13S48	100Y-1H	4.92	4.38	0.0010	3.29	3.15	113
EX13S50	100Y-1H	5.74	4.13	0.0010	2.35	2.26	263
EX13S51	100Y-1H	6.99	4.15	0.0005	2.27	2.18	252
EX13S53	100Y-1H	8.33	4.07	0.0010	4.12	4.07	292
EX13S54	100Y-1H	7.31	4.03	0.0024	6.33	8.09	272
EX13S63	100Y-1H	4.96	4.35	0.0010	1.33	1.19	113
EX13S63A	100Y-1H	6.03	4.34	0.0006	1.33	1.19	113
EX13S63B	100Y-1H	5.74	4.34	0.0006	0.86	0.72	113
EX13S64	100Y-1H	4.30	4.34	0.0010	1.19	1.05	113
EX13S65	100Y-1H	4.30	4.00	0.0027	56.99	56.84	619
EX13S88	100Y-1H	6.65	4.57	0.0007	3.45	3.45	167
EX13S89	100Y-1H	7.23	4.50	0.0006	2.04	2.04	160
EX13S90	100Y-1H	7.93	4.46	0.0006	2.90	2.91	228
EX13S91	100Y-1H	7.67	4.41	0.0009	10.52	10.52	285
EX13S92	100Y-1H	4.43	4.00	0.0010	21.34	21.09	242
POND 13E1	100Y-1H	4.30	4.34	0.0006	102.46	56.99	78664
POND 13E2	100Y-1H	4.43	4.00	0.0006	29.12	21.34	20575
POND 13E3	100Y-1H	3.43	4.00	0.0010	80.48	13.91	66394
CGCANALEAST3	100Y-24H	3.43	2.43	0.0003	14.58	0.31	0
EX13S04	100Y-24H	7.81	4.31	0.0002	0.34	0.34	187
EX13S06	100Y-24H	6.72	4.21	0.0008	0.61	0.70	139
EX13S07	100Y-24H	7.98	4.23	0.0004	0.97	0.95	429
EX13S08	100Y-24H	6.00	4.21	0.0010	1.22	1.58	321
EX13S11	100Y-24H	5.15	4.21	0.0010	2.83	3.37	448
EX13S12	100Y-24H	8.65	4.21	0.0005	1.72	1.69	557
EX13S16	100Y-24H	4.30	4.20	0.0010	4.22	3.29	255
EX13S17	100Y-24H	9.34	4.20	0.0010	5.46	5.40	883
EX13S19	100Y-24H	12.29	7.97	0.0006	2.38	2.38	669

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX13S20	100Y-24H	14.06	8.79	0.0005	0.74	0.74	113
EX13S21	100Y-24H	11.53	7.89	0.0004	2.62	2.62	409
EX13S22	100Y-24H	20.39	17.14	0.0009	1.53	1.53	208
EX13S23	100Y-24H	23.43	16.07	0.0004	0.68	0.68	113
EX13S24	100Y-24H	19.77	14.17	0.0003	1.58	1.58	425
EX13S27	100Y-24H	26.06	20.73	0.0004	0.65	0.65	191
EX13S48	100Y-24H	4.92	4.21	0.0010	0.57	0.85	113
EX13S50	100Y-24H	5.74	4.20	0.0006	0.41	0.52	263
EX13S51	100Y-24H	6.99	4.20	0.0006	0.39	0.46	252
EX13S53	100Y-24H	8.33	4.20	0.0010	0.79	1.28	292
EX13S54	100Y-24H	7.31	4.19	0.0012	1.77	2.98	267
EX13S63	100Y-24H	4.96	4.20	0.0009	0.23	0.49	113
EX13S63A	100Y-24H	6.03	4.20	0.0003	0.23	0.23	113
EX13S63B	100Y-24H	5.74	4.20	0.0003	0.15	0.14	113
EX13S64	100Y-24H	4.30	4.20	0.0010	0.49	0.40	113
EX13S65	100Y-24H	4.30	4.16	0.0029	13.68	15.76	619
EX13S88	100Y-24H	6.65	4.20	0.0005	0.59	0.64	166
EX13S89	100Y-24H	7.23	4.20	0.0003	0.35	0.42	160
EX13S90	100Y-24H	7.93	4.20	0.0006	0.55	0.76	227
EX13S91	100Y-24H	7.67	4.20	0.0010	2.01	1.76	284
EX13S92	100Y-24H	4.43	4.18	0.0004	3.51	3.50	242
POND 13E1	100Y-24H	4.30	4.20	0.0001	19.07	13.68	77812
POND 13E2	100Y-24H	4.43	4.19	0.0001	5.91	3.51	21491
POND 13E3	100Y-24H	3.43	4.16	0.0003	21.00	14.58	70135
CGCANALEAST3	100Y-8H	3.43	2.10	0.0002	16.96	0.30	0
EX13S04	100Y-8H	7.81	4.87	0.0003	1.01	0.98	213
EX13S06	100Y-8H	6.72	4.85	0.0010	1.82	1.80	139
EX13S07	100Y-8H	7.98	4.87	0.0004	2.89	2.85	434
EX13S08	100Y-8H	6.00	4.85	0.0010	3.34	3.32	321
EX13S11	100Y-8H	5.15	4.84	0.0010	7.09	7.07	448
EX13S12	100Y-8H	8.65	4.85	0.0005	5.16	5.12	558
EX13S16	100Y-8H	4.30	4.84	0.0010	8.75	8.69	255
EX13S17	100Y-8H	9.34	4.84	0.0010	16.44	16.32	923
EX13S19	100Y-8H	12.29	8.38	0.0006	7.14	7.14	761
EX13S20	100Y-8H	14.06	9.05	0.0005	2.23	2.23	113
EX13S21	100Y-8H	11.53	8.33	0.0003	7.87	7.87	456
EX13S22	100Y-8H	20.39	17.50	0.0009	4.58	4.58	230
EX13S23	100Y-8H	23.43	16.32	0.0004	2.03	2.03	113
EX13S24	100Y-8H	19.77	14.50	0.0003	4.75	4.74	492
EX13S27	100Y-8H	26.06	20.96	0.0004	1.95	1.95	222
EX13S48	100Y-8H	4.92	4.84	0.0010	1.70	1.68	113
EX13S50	100Y-8H	5.74	4.85	0.0010	1.22	1.17	263
EX13S51	100Y-8H	6.99	4.85	0.0006	1.18	1.13	252
EX13S53	100Y-8H	8.33	4.85	0.0010	2.14	2.16	292
EX13S54	100Y-8H	7.31	4.85	0.0015	3.31	4.10	269
EX13S63	100Y-8H	4.96	4.84	0.0010	0.69	1.02	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX13S63A	100Y-8H	6.03	4.84	0.0010	0.69	0.71	113
EX13S63B	100Y-8H	5.74	4.84	0.0004	0.45	0.48	113
EX13S64	100Y-8H	4.30	4.84	0.0010	1.02	1.04	113
EX13S65	100Y-8H	4.30	4.81	0.0029	44.52	44.20	619
EX13S88	100Y-8H	6.65	4.86	0.0005	1.78	1.74	166
EX13S89	100Y-8H	7.23	4.86	0.0006	1.05	1.00	160
EX13S90	100Y-8H	7.93	4.86	0.0010	1.45	1.40	227
EX13S91	100Y-8H	7.67	4.85	0.0010	5.28	5.23	284
EX13S92	100Y-8H	4.43	4.84	0.0010	12.65	12.54	242
POND 13E1	100Y-8H	4.30	4.84	0.0003	55.77	44.52	78672
POND 13E2	100Y-8H	4.43	4.84	0.0004	14.29	12.65	22652
POND 13E3	100Y-8H	3.43	4.80	0.0009	61.26	16.96	76241
CGCANALEAST3	10Y-1H	3.43	1.95	0.0002	8.80	0.31	0
EX13S04	10Y-1H	7.81	5.21	0.0010	1.35	1.34	213
EX13S06	10Y-1H	6.72	4.04	0.0008	2.43	2.32	140
EX13S07	10Y-1H	7.98	5.17	0.0010	3.83	3.83	435
EX13S08	10Y-1H	6.00	4.02	0.0010	4.37	4.26	324
EX13S11	10Y-1H	5.15	4.01	0.0010	9.28	9.17	448
EX13S12	10Y-1H	8.65	4.84	0.0010	6.86	6.86	558
EX13S16	10Y-1H	4.30	4.00	0.0010	11.33	11.09	255
EX13S17	10Y-1H	9.34	4.61	0.0010	21.83	21.81	939
EX13S19	10Y-1H	12.29	8.53	0.0009	9.48	9.47	766
EX13S20	10Y-1H	14.06	9.16	0.0006	2.97	2.96	113
EX13S21	10Y-1H	11.53	8.49	0.0009	10.44	10.44	497
EX13S22	10Y-1H	20.39	17.63	0.0010	6.09	6.09	230
EX13S23	10Y-1H	23.43	16.42	0.0006	2.70	2.69	113
EX13S24	10Y-1H	19.77	14.62	0.0008	6.30	6.30	498
EX13S27	10Y-1H	26.06	21.04	0.0005	2.59	2.59	226
EX13S48	10Y-1H	4.92	4.01	0.0010	2.26	2.16	113
EX13S50	10Y-1H	5.74	3.85	0.0010	1.62	1.61	263
EX13S51	10Y-1H	6.99	3.85	0.0006	1.56	1.55	252
EX13S53	10Y-1H	8.33	3.83	0.0010	2.90	2.89	292
EX13S54	10Y-1H	7.31	3.82	0.0017	4.50	6.95	272
EX13S63	10Y-1H	4.96	3.99	0.0010	0.92	0.87	113
EX13S63A	10Y-1H	6.03	3.99	0.0009	0.92	0.81	113
EX13S63B	10Y-1H	5.74	3.99	0.0009	0.59	0.48	113
EX13S64	10Y-1H	4.30	3.99	0.0010	0.87	0.84	113
EX13S65	10Y-1H	4.30	3.01	0.0036	27.54	28.20	113
EX13S88	10Y-1H	6.65	4.01	0.0007	2.37	2.36	167
EX13S89	10Y-1H	7.23	4.00	0.0006	1.40	1.39	160
EX13S90	10Y-1H	7.93	3.95	0.0006	1.98	2.01	228
EX13S91	10Y-1H	7.67	3.92	0.0008	7.18	7.20	285
EX13S92	10Y-1H	4.43	3.01	0.0007	12.19	12.11	113
POND 13E1	10Y-1H	4.30	3.99	0.0009	68.71	27.54	76016
POND 13E2	10Y-1H	4.43	3.81	0.0010	20.51	12.19	19682
POND 13E3	10Y-1H	3.43	3.01	0.0008	40.88	8.80	52810

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
CGCANALEAST3	10Y-24H	3.43	2.43	0.0003	11.24	0.31	0
EX13S04	10Y-24H	7.81	4.23	0.0002	0.22	0.22	165
EX13S06	10Y-24H	6.72	3.76	0.0008	0.40	0.53	139
EX13S07	10Y-24H	7.98	3.92	0.0004	0.64	0.64	399
EX13S08	10Y-24H	6.00	3.76	0.0010	0.83	1.14	321
EX13S11	10Y-24H	5.15	3.76	0.0010	1.93	2.35	448
EX13S12	10Y-24H	8.65	3.79	0.0005	1.15	1.15	555
EX13S16	10Y-24H	4.30	3.75	0.0010	2.94	2.05	255
EX13S17	10Y-24H	9.34	3.77	0.0010	3.63	3.63	867
EX13S19	10Y-24H	12.29	7.86	0.0007	1.57	1.57	623
EX13S20	10Y-24H	14.06	8.72	0.0005	0.49	0.49	113
EX13S21	10Y-24H	11.53	7.79	0.0005	1.73	1.73	386
EX13S22	10Y-24H	20.39	17.05	0.0009	1.01	1.01	195
EX13S23	10Y-24H	23.43	16.01	0.0004	0.45	0.45	113
EX13S24	10Y-24H	19.77	14.08	0.0003	1.04	1.04	394
EX13S27	10Y-24H	26.06	20.67	0.0004	0.43	0.43	177
EX13S48	10Y-24H	4.92	3.76	0.0019	1.06	2.35	113
EX13S50	10Y-24H	5.74	3.59	0.0004	0.27	0.56	263
EX13S51	10Y-24H	6.99	3.59	0.0003	0.26	0.32	252
EX13S53	10Y-24H	8.33	3.59	0.0010	0.51	1.25	291
EX13S54	10Y-24H	7.31	3.59	0.0017	1.75	2.13	267
EX13S63	10Y-24H	4.96	3.75	0.0032	3.70	0.17	113
EX13S63A	10Y-24H	6.03	3.75	0.0003	0.15	0.20	113
EX13S63B	10Y-24H	5.74	3.75	0.0026	0.10	3.04	113
EX13S64	10Y-24H	4.30	3.75	0.0031	2.38	3.64	113
EX13S65	10Y-24H	4.30	3.44	0.0037	11.81	16.42	619
EX13S88	10Y-24H	6.65	3.60	0.0004	0.39	0.39	166
EX13S89	10Y-24H	7.23	3.61	0.0003	0.23	0.23	149
EX13S90	10Y-24H	7.93	3.59	0.0004	0.33	0.35	227
EX13S91	10Y-24H	7.67	3.59	0.0005	1.22	1.20	284
EX13S92	10Y-24H	4.43	3.45	0.0003	3.17	3.16	242
POND 13E1	10Y-24H	4.30	3.75	0.0001	12.27	11.81	74072
POND 13E2	10Y-24H	4.43	3.59	0.0001	3.42	3.17	18591
POND 13E3	10Y-24H	3.43	3.44	0.0003	20.91	11.24	53791
CGCANALEAST3	10Y-8H	3.43	2.10	0.0003	14.09	0.30	0
EX13S04	10Y-8H	7.81	4.49	0.0003	0.72	0.71	207
EX13S06	10Y-8H	6.72	4.15	0.0008	1.29	1.28	139
EX13S07	10Y-8H	7.98	4.39	0.0004	2.06	2.05	434
EX13S08	10Y-8H	6.00	4.14	0.0010	2.37	2.37	322
EX13S11	10Y-8H	5.15	4.12	0.0010	5.03	5.03	448
EX13S12	10Y-8H	8.65	4.27	0.0006	3.68	3.66	558
EX13S16	10Y-8H	4.30	4.10	0.0010	6.23	6.21	255
EX13S17	10Y-8H	9.34	4.19	0.0010	11.66	11.61	930
EX13S19	10Y-8H	12.29	8.22	0.0006	5.05	5.05	741
EX13S20	10Y-8H	14.06	8.95	0.0005	1.58	1.58	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX13S21	10Y-8H	11.53	8.16	0.0005	5.57	5.56	446
EX13S22	10Y-8H	20.39	17.37	0.0009	3.24	3.24	227
EX13S23	10Y-8H	23.43	16.23	0.0005	1.43	1.43	113
EX13S24	10Y-8H	19.77	14.37	0.0004	3.36	3.36	475
EX13S27	10Y-8H	26.06	20.87	0.0004	1.38	1.38	214
EX13S48	10Y-8H	4.92	4.11	0.0010	1.21	1.20	113
EX13S50	10Y-8H	5.74	4.08	0.0009	0.86	0.89	263
EX13S51	10Y-8H	6.99	4.08	0.0006	0.83	0.84	252
EX13S53	10Y-8H	8.33	4.08	0.0010	1.56	1.73	292
EX13S54	10Y-8H	7.31	4.07	0.0018	2.62	4.63	269
EX13S63	10Y-8H	4.96	4.10	0.0010	0.49	0.88	113
EX13S63A	10Y-8H	6.03	4.09	0.0004	0.49	0.58	113
EX13S63B	10Y-8H	5.74	4.09	0.0004	0.32	0.37	113
EX13S64	10Y-8H	4.30	4.09	0.0010	0.88	0.88	113
EX13S65	10Y-8H	4.30	4.04	0.0028	35.26	35.28	619
EX13S88	10Y-8H	6.65	4.08	0.0004	1.26	1.26	167
EX13S89	10Y-8H	7.23	4.08	0.0003	0.75	0.75	160
EX13S90	10Y-8H	7.93	4.08	0.0006	1.06	1.06	228
EX13S91	10Y-8H	7.67	4.08	0.0010	3.84	3.84	284
EX13S92	10Y-8H	4.43	4.06	0.0009	10.15	10.07	242
POND 13E1	10Y-8H	4.30	4.09	0.0004	39.44	35.26	76872
POND 13E2	10Y-8H	4.43	4.07	0.0003	11.59	10.15	20903
POND 13E3	10Y-8H	3.43	4.04	0.0009	49.11	14.09	67417
CGCANALEAST3	25Y-72H	3.43	2.93	0.0005	16.07	0.35	0
EX13S04	25Y-72H	7.81	5.68	0.0010	1.55	1.51	213
EX13S06	25Y-72H	6.72	5.06	0.0009	2.79	2.72	139
EX13S07	25Y-72H	7.98	5.63	0.0010	4.40	4.36	434
EX13S08	25Y-72H	6.00	5.05	0.0010	5.07	5.02	320
EX13S11	25Y-72H	5.15	5.05	0.0010	10.77	10.71	448
EX13S12	25Y-72H	8.65	5.19	0.0010	7.87	7.84	557
EX13S16	25Y-72H	4.30	5.05	0.0010	13.25	13.12	255
EX13S17	25Y-72H	9.34	5.05	0.0010	25.06	24.87	925
EX13S19	25Y-72H	12.29	8.61	0.0007	10.89	10.87	766
EX13S20	25Y-72H	14.06	9.22	0.0004	3.40	3.40	113
EX13S21	25Y-72H	11.53	8.57	0.0005	11.99	11.98	498
EX13S22	25Y-72H	20.39	17.70	0.0007	6.99	6.99	230
EX13S23	25Y-72H	23.43	16.48	0.0004	3.09	3.09	113
EX13S24	25Y-72H	19.77	14.68	0.0004	7.24	7.23	499
EX13S27	25Y-72H	26.06	21.09	0.0004	2.97	2.97	227
EX13S48	25Y-72H	4.92	5.05	0.0008	2.60	2.54	500
EX13S50	25Y-72H	5.74	5.05	0.0009	1.86	1.78	264
EX13S51	25Y-72H	6.99	5.06	0.0009	1.79	1.72	252
EX13S53	25Y-72H	8.33	5.05	0.0010	3.27	3.19	284
EX13S54	25Y-72H	7.31	5.05	0.0016	4.97	4.90	265
EX13S63	25Y-72H	4.96	5.05	0.0010	1.05	1.19	118
EX13S63A	25Y-72H	6.03	5.04	0.0010	1.05	1.00	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX13S63B	25Y-72H	5.74	5.04	0.0007	0.68	0.66	113
EX13S64	25Y-72H	4.30	5.04	0.0010	1.19	1.26	113
EX13S65	25Y-72H	4.30	5.02	0.0029	44.46	44.04	619
EX13S88	25Y-72H	6.65	5.06	0.0009	2.72	2.64	166
EX13S89	25Y-72H	7.23	5.06	0.0010	1.61	1.53	160
EX13S90	25Y-72H	7.93	5.06	0.0010	2.21	2.14	228
EX13S91	25Y-72H	7.67	5.06	0.0010	8.05	7.98	284
EX13S92	25Y-72H	4.43	5.04	0.0009	7.37	7.22	242
POND 13E1	25Y-72H	4.30	5.04	0.0007	85.29	44.46	78672
POND 13E2	25Y-72H	4.43	5.05	0.0008	21.58	7.37	22652
POND 13E3	25Y-72H	3.43	5.01	0.0009	62.64	16.07	76240

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX13S04_S07	100Y-1H	1.95	0.00	0.00	2.03	1.11	1.47
EX13S06_S08	100Y-1H	3.38	0.00	-0.43	2.44	1.91	1.91
EX13S07_S12	100Y-1H	5.58	0.00	0.01	3.16	3.16	3.16
EX13S08_S11	100Y-1H	6.22	-0.33	-0.94	1.98	1.98	1.98
EX13S11_S16	100Y-1H	13.36	0.00	1.94	1.89	1.89	1.89
EX13S12_S17	100Y-1H	10.01	0.00	-0.01	3.19	3.19	3.19
EX13S16_WEIR	100Y-1H	16.19	-0.17	-0.98	1.31	1.31	1.31
EX13S17_PND13E1	100Y-1H	31.82	0.00	0.06	6.48	7.90	7.18
EX13S19_S17	100Y-1H	13.79	0.00	0.01	6.18	6.28	6.23
EX13S20_S21	100Y-1H	4.31	0.00	-0.01	3.89	4.53	4.21
EX13S21_PND13E1	100Y-1H	15.19	0.00	0.01	6.44	11.42	8.93
EX13S22_S19	100Y-1H	8.86	0.00	0.01	6.08	10.77	8.43
EX13S23_S24	100Y-1H	3.92	0.00	-0.01	3.79	4.37	4.08
EX13S24_S21	100Y-1H	9.17	0.00	0.01	5.29	9.79	7.54
EX13S27_S24	100Y-1H	3.76	0.00	0.00	4.32	4.42	3.54
EX13S48_S16	100Y-1H	3.15	0.00	-0.58	1.78	1.78	1.78
EX13S50_S54	100Y-1H	2.26	-0.15	-0.26	2.02	1.28	1.28
EX13S51_S53	100Y-1H	2.18	0.00	0.18	1.73	1.24	1.32
EX13S53_S54	100Y-1H	4.07	0.00	0.99	4.08	3.39	3.72
EX13S54_PND13E2	100Y-1H	8.09	-0.01	3.60	5.81	5.77	5.58
EX13S63A_PND13E1	100Y-1H	1.19	0.00	0.15	2.44	2.82	2.54
EX13S63B_PND13E1	100Y-1H	0.72	0.00	0.06	2.13	2.40	2.15
EX13S63_S64	100Y-1H	1.19	-0.11	-0.76	0.67	0.67	0.67
EX13S64_WEIR	100Y-1H	1.05	-0.66	-0.77	-0.65	-0.65	-0.65
EX13S65_PND13E3	100Y-1H	56.84	-0.61	-9.11	3.51	3.51	3.51
EX13S65_WEIR	100Y-1H	56.99	0.00	0.51	2.67	2.67	2.67
EX13S88_S91	100Y-1H	3.45	0.00	0.08	1.95	1.95	1.95
EX13S89_S90	100Y-1H	2.04	0.00	0.05	1.99	1.42	1.53
EX13S90_S91	100Y-1H	2.91	0.00	-0.19	1.65	1.65	1.65
EX13S91_PND13E2	100Y-1H	10.52	0.00	-0.08	5.95	6.67	6.27
EX13S92_PND13E3	100Y-1H	21.09	-0.07	0.06	11.93	11.93	11.93
EX13S92_WEIR	100Y-1H	21.34	-0.05	0.04	2.09	2.09	2.09
PND13E3_CGCANALE	100Y-1H	13.90	-0.30	0.02	7.86	8.18	8.02

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX13S04_S07	100Y-24H	0.34	0.00	0.00	1.61	0.57	1.08
EX13S06_S08	100Y-24H	0.70	-0.03	0.48	0.71	0.40	0.40
EX13S07_S12	100Y-24H	0.95	0.00	0.00	1.62	1.10	1.32
EX13S08_S11	100Y-24H	1.58	-0.21	1.05	0.50	0.50	0.50
EX13S11_S16	100Y-24H	3.37	-0.21	2.18	0.48	0.48	0.48
EX13S12_S17	100Y-24H	1.69	0.00	-0.02	1.68	0.66	1.12
EX13S16_WEIR	100Y-24H	3.29	-0.20	1.33	0.44	0.44	0.44
EX13S17_PND13E1	100Y-24H	5.40	0.00	0.06	2.20	3.06	2.57
EX13S19_S17	100Y-24H	2.38	0.00	0.00	3.51	3.95	3.73
EX13S20_S21	100Y-24H	0.74	0.00	-0.01	2.30	2.70	2.50
EX13S21_PND13E1	100Y-24H	2.62	0.00	0.00	3.60	4.78	3.67
EX13S22_S19	100Y-24H	1.53	0.00	0.00	3.28	6.57	4.93
EX13S23_S24	100Y-24H	0.68	0.00	-0.01	2.23	2.63	2.43
EX13S24_S21	100Y-24H	1.58	0.00	0.00	3.14	5.87	4.50
EX13S27_S24	100Y-24H	0.65	0.00	0.00	2.59	1.52	2.06
EX13S48_S16	100Y-24H	0.85	-0.03	0.68	0.48	0.48	0.48
EX13S50_S54	100Y-24H	0.52	-0.04	0.29	0.94	0.29	0.51
EX13S51_S53	100Y-24H	0.46	0.00	0.23	0.82	0.26	0.44
EX13S53_S54	100Y-24H	1.28	-0.01	1.05	1.92	1.81	1.74
EX13S54_PND13E2	100Y-24H	2.98	0.00	-2.79	2.14	2.44	2.27
EX13S63A_PND13E1	100Y-24H	0.23	0.00	0.05	1.06	0.82	0.85
EX13S63B_PND13E1	100Y-24H	0.14	0.00	-0.04	0.70	0.51	0.49
EX13S63_S64	100Y-24H	0.49	-0.08	-0.47	0.28	0.28	0.28
EX13S64_WEIR	100Y-24H	0.40	-0.20	-0.33	0.05	0.05	0.05
EX13S65_PND13E3	100Y-24H	15.76	-0.52	9.97	0.97	0.97	0.97
EX13S65_WEIR	100Y-24H	13.68	0.00	-0.58	1.63	1.63	1.63
EX13S88_S91	100Y-24H	0.64	0.00	-0.42	1.29	0.76	1.02
EX13S89_S90	100Y-24H	0.42	0.00	0.26	1.31	0.86	1.07
EX13S90_S91	100Y-24H	0.76	0.00	-0.67	1.22	0.85	1.04
EX13S91_PND13E2	100Y-24H	1.76	0.00	-0.51	2.31	2.41	2.21
EX13S92_PND13E3	100Y-24H	3.50	0.00	0.06	1.98	1.98	1.98
EX13S92_WEIR	100Y-24H	3.51	0.00	-0.01	1.15	1.15	1.15
PND13E3_CGCANALE	100Y-24H	14.58	-0.31	-0.04	8.25	8.50	8.38
EX13S04_S07	100Y-8H	0.98	0.00	-0.04	1.85	0.75	1.30

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX13S06_S08	100Y-8H	1.80	0.00	-0.46	1.69	1.02	1.02
EX13S07_S12	100Y-8H	2.85	0.00	0.09	2.06	1.61	1.74
EX13S08_S11	100Y-8H	3.32	-0.17	-1.17	1.06	1.06	1.06
EX13S11_S16	100Y-8H	7.07	-0.03	-2.05	1.00	1.00	1.00
EX13S12_S17	100Y-8H	5.12	0.00	0.26	2.03	1.63	1.80
EX13S16_WEIR	100Y-8H	8.69	-0.20	1.63	0.71	0.71	0.71
EX13S17_PND13E1	100Y-8H	16.32	0.00	0.50	4.19	4.28	4.23
EX13S19_S17	100Y-8H	7.14	0.00	-0.01	4.86	5.37	5.12
EX13S20_S21	100Y-8H	2.23	0.00	0.01	3.21	3.65	3.43
EX13S21_PND13E1	100Y-8H	7.87	0.00	-0.01	5.02	6.91	5.25
EX13S22_S19	100Y-8H	4.58	0.00	0.00	4.62	9.02	6.82
EX13S23_S24	100Y-8H	2.03	0.00	-0.01	3.12	3.55	3.33
EX13S24_S21	100Y-8H	4.74	0.00	0.00	4.28	8.12	6.20
EX13S27_S24	100Y-8H	1.95	0.00	0.00	3.52	2.14	2.83
EX13S48_S16	100Y-8H	1.68	-0.02	-0.65	0.95	0.95	0.95
EX13S50_S54	100Y-8H	1.17	-0.09	0.29	1.28	0.66	0.72
EX13S51_S53	100Y-8H	1.13	0.00	0.21	1.03	0.64	0.64
EX13S53_S54	100Y-8H	2.16	-0.01	0.80	2.48	2.36	2.28
EX13S54_PND13E2	100Y-8H	4.10	0.00	-3.35	2.77	3.29	3.02
EX13S63A_PND13E1	100Y-8H	0.71	0.00	0.61	1.45	1.75	1.49
EX13S63B_PND13E1	100Y-8H	0.48	0.00	0.18	1.30	1.51	1.29
EX13S63_S64	100Y-8H	1.02	-0.10	0.84	0.58	0.58	0.58
EX13S64_WEIR	100Y-8H	1.04	-0.31	-0.77	0.14	0.14	0.14
EX13S65_PND13E3	100Y-8H	44.20	-0.50	-9.28	2.73	2.73	2.73
EX13S65_WEIR	100Y-8H	44.52	0.00	1.04	2.45	2.45	2.45
EX13S88_S91	100Y-8H	1.74	0.00	-0.36	1.59	1.04	1.28
EX13S89_S90	100Y-8H	1.00	0.00	-0.41	1.74	0.98	1.34
EX13S90_S91	100Y-8H	1.40	0.00	0.76	1.39	0.96	1.18
EX13S91_PND13E2	100Y-8H	5.23	0.00	0.54	3.14	3.16	3.06
EX13S92_PND13E3	100Y-8H	12.54	0.00	0.15	7.09	7.09	7.09
EX13S92_WEIR	100Y-8H	12.65	0.00	-0.01	1.76	1.76	1.76
PND13E3_CGCANALE	100Y-8H	16.96	-0.30	0.02	9.60	9.86	9.73
EX13S04_S07	10Y-1H	1.34	0.00	0.00	2.00	0.89	1.44
EX13S06_S08	10Y-1H	2.32	0.00	0.26	2.37	1.31	1.58

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX13S07_S12	10Y-1H	3.83	0.00	0.01	2.22	2.17	2.17
EX13S08_S11	10Y-1H	4.26	-0.31	-0.92	1.36	1.36	1.36
EX13S11_S16	10Y-1H	9.17	0.00	-1.83	1.30	1.30	1.30
EX13S12_S17	10Y-1H	6.86	0.00	-0.01	2.32	2.18	2.24
EX13S16_WEIR	10Y-1H	11.09	-0.18	0.62	1.23	1.23	1.23
EX13S17_PND13E1	10Y-1H	21.81	0.00	0.03	5.10	6.62	5.86
EX13S19_S17	10Y-1H	9.47	0.00	0.01	5.35	5.77	5.56
EX13S20_S21	10Y-1H	2.96	0.00	0.01	3.48	3.99	3.74
EX13S21_PND13E1	10Y-1H	10.44	0.00	0.01	5.54	10.32	7.93
EX13S22_S19	10Y-1H	6.09	0.00	0.01	5.14	9.75	7.45
EX13S23_S24	10Y-1H	2.69	0.00	0.01	3.38	3.89	3.64
EX13S24_S21	10Y-1H	6.30	0.00	0.01	4.67	8.80	6.74
EX13S27_S24	10Y-1H	2.59	0.00	0.00	3.84	4.12	3.22
EX13S48_S16	10Y-1H	2.16	-0.01	-0.33	1.22	1.22	1.22
EX13S50_S54	10Y-1H	1.61	-0.13	-0.25	1.94	0.91	1.22
EX13S51_S53	10Y-1H	1.55	0.00	-0.26	1.68	0.88	1.07
EX13S53_S54	10Y-1H	2.89	0.00	0.83	3.90	3.27	3.42
EX13S54_PND13E2	10Y-1H	6.95	-0.01	-6.16	4.88	5.33	4.95
EX13S63A_PND13E1	10Y-1H	0.81	0.00	0.15	2.29	2.67	2.39
EX13S63B_PND13E1	10Y-1H	0.48	0.00	0.04	2.02	2.27	2.03
EX13S63_S64	10Y-1H	0.87	-0.12	0.74	0.50	0.50	0.50
EX13S64_WEIR	10Y-1H	0.84	-0.64	-0.71	-0.63	-0.63	-0.63
EX13S65_PND13E3	10Y-1H	28.20	-0.62	-8.88	1.74	1.74	1.74
EX13S65_WEIR	10Y-1H	27.54	0.00	0.02	2.09	2.09	2.09
EX13S88_S91	10Y-1H	2.36	0.00	-0.01	1.79	1.46	1.60
EX13S89_S90	10Y-1H	1.39	0.00	0.00	1.97	1.36	1.51
EX13S90_S91	10Y-1H	2.01	0.00	-0.01	1.44	1.30	1.37
EX13S91_PND13E2	10Y-1H	7.20	0.00	-0.01	4.47	5.50	4.96
EX13S92_PND13E3	10Y-1H	12.11	-0.01	0.07	6.85	6.85	6.85
EX13S92_WEIR	10Y-1H	12.19	0.00	0.01	1.73	1.73	1.73
PND13E3_CGCANALE	10Y-1H	8.80	-0.31	0.02	4.98	6.07	5.53
EX13S04_S07	10Y-24H	0.22	0.00	0.00	1.55	0.52	1.04
EX13S06_S08	10Y-24H	0.53	-0.21	-0.47	0.53	0.30	0.30
EX13S07_S12	10Y-24H	0.64	0.00	0.00	1.51	1.04	1.26

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX13S08_S11	10Y-24H	1.14	-0.21	-0.95	0.36	0.36	0.36
EX13S11_S16	10Y-24H	2.35	-0.29	-1.85	0.33	0.33	0.33
EX13S12_S17	10Y-24H	1.15	0.00	-0.01	1.57	0.51	1.02
EX13S16_WEIR	10Y-24H	2.05	-0.19	0.97	0.35	0.35	0.35
EX13S17_PND13E1	10Y-24H	3.63	0.00	0.07	1.95	2.70	2.26
EX13S19_S17	10Y-24H	1.57	0.00	0.00	3.13	3.50	3.32
EX13S20_S21	10Y-24H	0.49	0.00	-0.01	2.05	2.42	2.22
EX13S21_PND13E1	10Y-24H	1.73	0.00	0.00	3.21	4.19	3.25
EX13S22_S19	10Y-24H	1.01	0.00	0.00	2.92	5.81	4.37
EX13S23_S24	10Y-24H	0.45	0.00	0.00	1.96	2.36	2.16
EX13S24_S21	10Y-24H	1.04	0.00	0.00	2.80	5.18	3.99
EX13S27_S24	10Y-24H	0.43	0.00	0.00	2.32	1.36	1.84
EX13S48_S16	10Y-24H	2.35	-0.91	2.20	1.33	1.33	1.33
EX13S50_S54	10Y-24H	0.56	-0.11	-0.28	0.78	0.32	0.41
EX13S51_S53	10Y-24H	0.32	0.00	0.20	0.60	0.18	0.32
EX13S53_S54	10Y-24H	1.25	-0.18	-0.74	1.73	1.70	1.58
EX13S54_PND13E2	10Y-24H	1.84	-0.34	1.49	1.92	1.87	1.88
EX13S63A_PND13E1	10Y-24H	0.20	0.00	0.07	0.78	0.76	0.56
EX13S63B_PND13E1	10Y-24H	3.04	0.00	1.55	2.19	2.04	2.12
EX13S63_S64	10Y-24H	0.17	-3.64	-1.87	-2.06	-2.06	-2.06
EX13S64_WEIR	10Y-24H	0.16	-2.38	-0.63	-0.20	-0.20	-0.20
EX13S65_PND13E3	10Y-24H	16.42	-0.69	11.38	1.01	1.01	1.01
EX13S65_WEIR	10Y-24H	11.81	0.00	-0.01	1.58	1.58	1.58
EX13S88_S91	10Y-24H	0.39	0.00	-0.03	1.16	0.68	0.92
EX13S89_S90	10Y-24H	0.23	0.00	0.00	1.21	0.78	0.95
EX13S90_S91	10Y-24H	0.35	0.00	0.04	1.10	0.83	0.96
EX13S91_PND13E2	10Y-24H	1.20	0.00	0.06	2.07	2.21	1.97
EX13S92_PND13E3	10Y-24H	3.16	0.00	0.11	1.79	1.79	1.79
EX13S92_WEIR	10Y-24H	3.17	0.00	0.00	1.11	1.11	1.11
PND13E3_CGCANALE	10Y-24H	11.24	-0.31	-0.03	6.36	7.01	6.68
EX13S04_S07	10Y-8H	0.71	0.00	0.00	1.89	0.78	1.33
EX13S06_S08	10Y-8H	1.28	0.00	0.51	1.77	0.73	0.95
EX13S07_S12	10Y-8H	2.05	0.00	0.00	2.13	1.43	1.78
EX13S08_S11	10Y-8H	2.37	-0.17	-0.98	0.75	0.75	0.75

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX13S11_S16	10Y-8H	5.03	-0.01	-1.89	0.71	0.71	0.71
EX13S12_S17	10Y-8H	3.66	0.00	-0.01	2.01	1.25	1.61
EX13S16_WEIR	10Y-8H	6.21	-0.22	1.25	0.66	0.66	0.66
EX13S17_PND13E1	10Y-8H	11.61	0.00	-0.04	3.67	3.88	3.71
EX13S19_S17	10Y-8H	5.05	0.00	0.00	4.36	4.89	4.63
EX13S20_S21	10Y-8H	1.58	0.00	0.01	2.90	3.31	3.10
EX13S21_PND13E1	10Y-8H	5.56	0.00	0.01	4.49	6.31	4.80
EX13S22_S19	10Y-8H	3.24	0.00	0.00	4.12	8.17	6.15
EX13S23_S24	10Y-8H	1.43	0.00	-0.01	2.81	3.21	3.01
EX13S24_S21	10Y-8H	3.36	0.00	0.00	3.87	7.34	5.60
EX13S27_S24	10Y-8H	1.38	0.00	0.00	3.19	1.91	2.55
EX13S48_S16	10Y-8H	1.20	-0.03	-0.63	0.68	0.68	0.68
EX13S50_S54	10Y-8H	0.89	-0.08	0.31	1.25	0.50	0.70
EX13S51_S53	10Y-8H	0.84	0.00	0.21	1.14	0.48	0.65
EX13S53_S54	10Y-8H	1.73	-0.01	1.03	2.38	2.21	2.12
EX13S54_PND13E2	10Y-8H	4.63	0.00	-4.33	3.34	3.07	3.20
EX13S63A_PND13E1	10Y-8H	0.58	0.00	-0.20	1.34	1.59	1.36
EX13S63B_PND13E1	10Y-8H	0.37	0.00	0.10	1.20	1.27	1.15
EX13S63_S64	10Y-8H	0.88	-0.12	-0.75	0.50	0.50	0.50
EX13S64_WEIR	10Y-8H	0.88	-0.33	-0.75	-0.18	-0.18	-0.18
EX13S65_PND13E3	10Y-8H	35.28	-0.60	-9.48	2.18	2.18	2.18
EX13S65_WEIR	10Y-8H	35.26	0.00	0.55	2.27	2.27	2.27
EX13S88_S91	10Y-8H	1.26	0.00	-0.40	1.55	0.95	1.25
EX13S89_S90	10Y-8H	0.75	0.00	0.25	1.66	0.98	1.31
EX13S90_S91	10Y-8H	1.06	0.00	-0.67	1.37	0.94	1.16
EX13S91_PND13E2	10Y-8H	3.84	0.00	0.50	2.86	2.89	2.69
EX13S92_PND13E3	10Y-8H	10.07	0.00	-0.26	5.70	5.70	5.70
EX13S92_WEIR	10Y-8H	10.15	0.00	-0.01	1.63	1.63	1.63
PND13E3_CGCANALE	10Y-8H	14.09	-0.30	-0.04	7.97	8.27	8.12
EX13S04_S07	25Y-72H	1.51	0.00	-0.11	1.90	0.86	1.35
EX13S06_S08	25Y-72H	2.72	-0.02	0.49	1.54	1.54	1.54
EX13S07_S12	25Y-72H	4.36	0.00	0.34	2.47	2.47	2.47
EX13S08_S11	25Y-72H	5.02	-0.16	0.92	1.60	1.60	1.60
EX13S11_S16	25Y-72H	10.71	-0.25	1.85	1.52	1.52	1.52

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX13S12_S17	25Y-72H	7.84	0.00	-0.76	2.49	2.49	2.49
EX13S16_WEIR	25Y-72H	13.12	-0.12	-1.34	0.36	0.36	0.36
EX13S17_PND13E1	25Y-72H	24.87	0.00	1.68	5.32	5.97	5.60
EX13S19_S17	25Y-72H	10.87	0.00	-0.01	5.62	5.97	5.79
EX13S20_S21	25Y-72H	3.40	0.00	0.01	3.62	4.19	3.91
EX13S21_PND13E1	25Y-72H	11.98	0.00	-0.01	5.83	10.43	8.03
EX13S22_S19	25Y-72H	6.99	0.00	-0.01	5.44	10.12	7.78
EX13S23_S24	25Y-72H	3.09	0.00	0.01	3.52	4.08	3.80
EX13S24_S21	25Y-72H	7.23	0.00	-0.01	4.88	9.15	7.02
EX13S27_S24	25Y-72H	2.97	0.00	0.00	4.00	2.50	3.25
EX13S48_S16	25Y-72H	2.54	-0.04	-0.45	1.44	1.44	1.44
EX13S50_S54	25Y-72H	1.78	-0.01	0.29	1.01	1.01	1.01
EX13S51_S53	25Y-72H	1.72	0.00	0.22	0.97	0.97	0.97
EX13S53_S54	25Y-72H	3.19	-0.01	-0.76	1.87	1.81	1.81
EX13S54_PND13E2	25Y-72H	4.90	-0.05	-3.95	3.43	3.15	3.29
EX13S63A_PND13E1	25Y-72H	1.00	0.00	0.60	0.56	0.56	0.56
EX13S63B_PND13E1	25Y-72H	0.66	0.00	0.12	0.37	0.37	0.37
EX13S63_S64	25Y-72H	1.19	-0.03	-0.80	0.67	0.67	0.67
EX13S64_WEIR	25Y-72H	1.26	-0.07	-0.77	0.06	0.06	0.06
EX13S65_PND13E3	25Y-72H	44.04	-0.87	-9.36	2.72	2.72	2.72
EX13S65_WEIR	25Y-72H	44.46	0.00	-1.33	1.94	1.94	1.94
EX13S88_S91	25Y-72H	2.64	0.00	-0.35	1.50	1.50	1.50
EX13S89_S90	25Y-72H	1.53	0.00	-0.40	1.33	0.87	1.04
EX13S90_S91	25Y-72H	2.14	0.00	-0.74	1.21	1.21	1.21
EX13S91_PND13E2	25Y-72H	7.98	0.00	0.55	4.51	4.51	4.51
EX13S92_PND13E3	25Y-72H	7.22	0.00	-0.14	4.09	4.09	4.09
EX13S92_WEIR	25Y-72H	7.37	0.00	-0.01	1.24	1.24	1.24
PND13E3_CGCANALE	25Y-72H	16.07	-0.35	0.01	9.09	9.09	9.09

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CGCANALEAST3	100Y-1H	217848	14387	203461
CGCANALEAST3	100Y-24H	788184	21805	766379
CGCANALEAST3	100Y-8H	526106	15214	510892
CGCANALEAST3	10Y-1H	113425	15717	97707
CGCANALEAST3	10Y-24H	467282	23896	443386
CGCANALEAST3	10Y-8H	331840	17505	314335
CGCANALEAST3	25Y-72H	873531	22914	850617

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S04	100Y-1H	4408	4413	-5
EX13S04	100Y-24H	11964	11965	-1
EX13S04	100Y-8H	8484	8489	-5
EX13S04	10Y-1H	3006	3009	-3
EX13S04	10Y-24H	7832	7832	0
EX13S04	10Y-8H	5947	5950	-2
EX13S04	25Y-72H	12471	12473	-2

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S06	100Y-1H	7945	7794	151
EX13S06	100Y-24H	21550	21389	161
EX13S06	100Y-8H	15280	15127	153
EX13S06	10Y-1H	5422	5272	151
EX13S06	10Y-24H	14115	13968	147
EX13S06	10Y-8H	10718	10570	148
EX13S06	25Y-72H	22465	22317	148

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S07	100Y-1H	12701	12704	-4
EX13S07	100Y-24H	34456	34462	-6
EX13S07	100Y-8H	24439	24434	5
EX13S07	10Y-1H	8660	8670	-9
EX13S07	10Y-24H	22555	22561	-6
EX13S07	10Y-8H	17131	17137	-6

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S07	25Y-72H	35918	35911	8

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S08	100Y-1H	14553	14156	397
EX13S08	100Y-24H	39680	39568	112
EX13S08	100Y-8H	28109	27758	351
EX13S08	10Y-1H	9900	9501	399
EX13S08	10Y-24H	25990	25815	175
EX13S08	10Y-8H	19692	19348	344
EX13S08	25Y-72H	41430	41310	120

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S11	100Y-1H	30556	30249	307
EX13S11	100Y-24H	84121	83717	404
EX13S11	100Y-8H	59342	59065	277
EX13S11	10Y-1H	20685	20377	308
EX13S11	10Y-24H	55021	54794	228
EX13S11	10Y-8H	41478	41139	339
EX13S11	25Y-72H	87864	87720	143

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S12	100Y-1H	22755	22606	149
EX13S12	100Y-24H	61739	61592	147
EX13S12	100Y-8H	43777	43631	146
EX13S12	10Y-1H	15524	15374	149
EX13S12	10Y-24H	40417	40271	147
EX13S12	10Y-8H	30697	30548	149
EX13S12	25Y-72H	64345	64190	155

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S16	100Y-1H	37412	37049	364
EX13S16	100Y-24H	103630	103204	426
EX13S16	100Y-8H	73142	72714	427
EX13S16	10Y-1H	25186	24827	358
EX13S16	10Y-24H	67839	67146	693
EX13S16	10Y-8H	50930	50580	350
EX13S16	25Y-72H	108623	107848	775

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S17	100Y-1H	71782	70879	903
EX13S17	100Y-24H	195102	194480	622
EX13S17	100Y-8H	138305	137244	1062
EX13S17	10Y-1H	48906	48136	770
EX13S17	10Y-24H	127668	127098	570
EX13S17	10Y-8H	96916	96200	716
EX13S17	25Y-72H	203361	202607	754

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S19	100Y-1H	31033	31015	18
EX13S19	100Y-24H	84224	84221	3
EX13S19	100Y-8H	59726	59721	6
EX13S19	10Y-1H	21163	21147	16
EX13S19	10Y-24H	55134	55132	3
EX13S19	10Y-8H	41869	41864	5
EX13S19	25Y-72H	87796	87791	5

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S20	100Y-1H	9698	9698	0
EX13S20	100Y-24H	26320	26320	0
EX13S20	100Y-8H	18665	18664	0
EX13S20	10Y-1H	6613	6614	0
EX13S20	10Y-24H	17229	17229	0
EX13S20	10Y-8H	13084	13084	0
EX13S20	25Y-72H	27436	27436	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S21	100Y-1H	34216	34242	-26
EX13S21	100Y-24H	92838	92853	-15
EX13S21	100Y-8H	65836	65856	-20
EX13S21	10Y-1H	23336	23366	-30
EX13S21	10Y-24H	60773	60786	-12
EX13S21	10Y-8H	46153	46177	-24
EX13S21	25Y-72H	96776	96764	12

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S22	100Y-1H	19925	19924	0
EX13S22	100Y-24H	54075	54075	0
EX13S22	100Y-8H	38347	38347	0
EX13S22	10Y-1H	13588	13588	0
EX13S22	10Y-24H	35399	35399	0
EX13S22	10Y-8H	26882	26882	0
EX13S22	25Y-72H	56369	56369	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S23	100Y-1H	8816	8816	0
EX13S23	100Y-24H	23927	23927	0
EX13S23	100Y-8H	16968	16968	0
EX13S23	10Y-1H	6012	6012	0
EX13S23	10Y-24H	15663	15663	0
EX13S23	10Y-8H	11895	11895	0
EX13S23	25Y-72H	24942	24942	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S24	100Y-1H	20632	20639	-7
EX13S24	100Y-24H	55990	55990	0
EX13S24	100Y-8H	39705	39706	-1
EX13S24	10Y-1H	14071	14077	-6
EX13S24	10Y-24H	36652	36652	0
EX13S24	10Y-8H	27834	27835	-1

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S24	25Y-72H	58365	58365	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S27	100Y-1H	8464	8466	-3
EX13S27	100Y-24H	22970	22970	0
EX13S27	100Y-8H	16289	16289	0
EX13S27	10Y-1H	5772	5774	-2
EX13S27	10Y-24H	15037	15037	0
EX13S27	10Y-8H	11419	11419	0
EX13S27	25Y-72H	23944	23945	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S48	100Y-1H	7415	7200	215
EX13S48	100Y-24H	20121	19862	259
EX13S48	100Y-8H	14263	14048	215
EX13S48	10Y-1H	5059	4844	215
EX13S48	10Y-24H	13186	12977	209
EX13S48	10Y-8H	10006	9779	228
EX13S48	25Y-72H	20990	20775	215

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S50	100Y-1H	5307	5033	274
EX13S50	100Y-24H	14387	14113	274
EX13S50	100Y-8H	10204	9931	274
EX13S50	10Y-1H	3625	3350	275
EX13S50	10Y-24H	9433	9153	280
EX13S50	10Y-8H	7167	6893	274
EX13S50	25Y-72H	14999	14717	282

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S51	100Y-1H	5123	4909	214
EX13S51	100Y-24H	13890	13681	209
EX13S51	100Y-8H	9849	9633	216
EX13S51	10Y-1H	3497	3284	213
EX13S51	10Y-24H	9099	8884	215
EX13S51	10Y-8H	6912	6699	213
EX13S51	25Y-72H	14475	14260	215

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S53	100Y-1H	9328	8949	379
EX13S53	100Y-24H	25658	25302	356
EX13S53	100Y-8H	18127	17766	361
EX13S53	10Y-1H	6301	5922	378
EX13S53	10Y-24H	16731	16358	373
EX13S53	10Y-8H	12661	12303	358
EX13S53	25Y-72H	26742	26366	377

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S54	100Y-1H	13985	13577	408
EX13S54	100Y-24H	39417	38994	423
EX13S54	100Y-8H	27699	27304	395
EX13S54	10Y-1H	9275	8906	369
EX13S54	10Y-24H	25515	25145	369
EX13S54	10Y-8H	19199	18776	423
EX13S54	25Y-72H	41089	40712	377

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S63	100Y-1H	3004	2789	215
EX13S63	100Y-24H	8193	7975	218
EX13S63	100Y-8H	5802	5602	199
EX13S63	10Y-1H	2051	1836	215
EX13S63	10Y-24H	5398	5183	215
EX13S63	10Y-8H	4084	3869	214
EX13S63	25Y-72H	8555	8345	210

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S63A	100Y-1H	3000	2898	102
EX13S63A	100Y-24H	8141	8039	102
EX13S63A	100Y-8H	5772	5670	102
EX13S63A	10Y-1H	2046	1944	102
EX13S63A	10Y-24H	5328	5226	102
EX13S63A	10Y-8H	4047	3945	102
EX13S63A	25Y-72H	8484	8382	102

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S63B	100Y-1H	1942	1840	102
EX13S63B	100Y-24H	5264	5163	102
EX13S63B	100Y-8H	3733	3631	102
EX13S63B	10Y-1H	1326	1225	102
EX13S63B	10Y-24H	3450	3348	102
EX13S63B	10Y-8H	2619	2517	102
EX13S63B	25Y-72H	5487	5385	102

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S64	100Y-1H	2878	2662	216
EX13S64	100Y-24H	8135	7925	210
EX13S64	100Y-8H	5738	5481	258
EX13S64	10Y-1H	1927	1714	214
EX13S64	10Y-24H	5358	5144	215
EX13S64	10Y-8H	4011	3798	213
EX13S64	25Y-72H	8522	8296	225

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S65	100Y-1H	161824	161759	66
EX13S65	100Y-24H	582068	582950	-882
EX13S65	100Y-8H	387665	387691	-25
EX13S65	10Y-1H	85081	85221	-140
EX13S65	10Y-24H	351911	353801	-1890
EX13S65	10Y-8H	247124	247242	-118

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S65	25Y-72H	610326	611823	-1497

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S88	100Y-1H	7761	7694	68
EX13S88	100Y-24H	21062	20983	78
EX13S88	100Y-8H	14936	14866	70
EX13S88	10Y-1H	5294	5228	66
EX13S88	10Y-24H	13789	13722	68
EX13S88	10Y-8H	10472	10403	68
EX13S88	25Y-72H	21952	21872	81

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S89	100Y-1H	4586	4565	22
EX13S89	100Y-24H	12446	12426	20
EX13S89	100Y-8H	8826	8803	23
EX13S89	10Y-1H	3129	3108	21
EX13S89	10Y-24H	8149	8126	23
EX13S89	10Y-8H	6188	6167	22
EX13S89	25Y-72H	12972	12951	21

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S90	100Y-1H	6508	6402	106
EX13S90	100Y-24H	17696	17571	125
EX13S90	100Y-8H	12541	12433	109
EX13S90	10Y-1H	4434	4328	106
EX13S90	10Y-24H	11577	11474	103
EX13S90	10Y-8H	8788	8681	107
EX13S90	25Y-72H	18442	18319	123

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S91	100Y-1H	23442	23258	184
EX13S91	100Y-24H	63920	63783	137
EX13S91	100Y-8H	45287	45118	169
EX13S91	10Y-1H	15931	15749	182
EX13S91	10Y-24H	41800	41620	180
EX13S91	10Y-8H	31696	31520	176
EX13S91	25Y-72H	66631	66497	134

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S92	100Y-1H	44850	44803	47
EX13S92	100Y-24H	153278	153176	102
EX13S92	100Y-8H	103308	103244	64
EX13S92	10Y-1H	24734	24686	47
EX13S92	10Y-24H	93966	93864	102
EX13S92	10Y-8H	66914	66850	64
EX13S92	25Y-72H	160590	160587	3

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 13E1	100Y-1H	228851	161913	66939
POND 13E1	100Y-24H	649341	582361	66980
POND 13E1	100Y-8H	454801	387896	66905
POND 13E1	10Y-1H	152128	85175	66953
POND 13E1	10Y-24H	419115	352244	66871
POND 13E1	10Y-8H	314277	247337	66940
POND 13E1	25Y-72H	677571	610682	66889

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 13E2	100Y-1H	60732	44824	15908
POND 13E2	100Y-24H	169196	153266	15930
POND 13E2	100Y-8H	119246	103301	15945
POND 13E2	10Y-1H	40676	24718	15958
POND 13E2	10Y-24H	109895	93954	15941
POND 13E2	10Y-8H	82825	66907	15918
POND 13E2	25Y-72H	176494	160555	15938

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 13E3	100Y-1H	238912	217917	20995
POND 13E3	100Y-24H	834881	788246	46635
POND 13E3	100Y-8H	554716	526151	28565
POND 13E3	10Y-1H	134701	113483	21218
POND 13E3	10Y-24H	514967	467353	47613
POND 13E3	10Y-8H	360562	331895	28667
POND 13E3	25Y-72H	876497	873693	2804

System 10, 11, 12, & 13

Water Quality Summary Table
Drainage System Summary Tables
Post-Development Node Link Diagram
Post-Development ICPR Input/Output

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY SUMMARY

Drainage System: ***10, 11, 12, 13***

SYSTEM - CONTROL STRUCTURE	SHGWT EL. (ft-NAVD)	TOTAL ONSITE AREA (Ac.) *[POST-DEV.]*	ONSITE IMPERVIOUS AREA (Ac.) *[POST-DEV.]*	ONSITE PERVIOUS AREA (Ac.) *[POST-DEV.]*	SFWMD 1" OVER TOTAL ONSITE AREA (Ac-ft)	SFWMD 2.5" OVER IMPERVIOUS AREA (Ac-ft)	[1]SFWMD WATER QUALITY TREATMENT REQUIRED FOR RETENTION	[2]DRER WATER QUALITY TREATMENT REQUIRED (Ac-ft)	[3]DRY- / WET-RETENTION TREATMENT VOLUME PROVIDED (Ac-ft)	FRENCH DRAIN TREATMENT VOLUME PROVIDED (Ac-ft)	TOTAL TREATMENT VOLUME PROVIDED (Ac-ft)	SFWMD SURPLUS TREATMENT VOLUME PROVIDED (Ac-ft)
10 - EXCS10S69	1.53	1.39	0.40	0.99	0.12	0.08	**0.12**	0.14	0.88	0.00	**0.88**	**0.76**
10 - PRCS10S116	1.53	4.36	3.84	0.52	0.36	0.80	**0.80**	0.59	0.77	0.27	**1.04**	**0.24**
10 - [3]PRCS10S72	1.53	19.67	16.55	3.12	1.64	3.45	**3.45**	2.62	2.49	1.25	**3.74**	**0.29**
11 - PRCS11S100	1.53	22.70	19.44	1.92	1.89	4.05	**4.05**	3.12	6.46	0.90	**4.13**	**0.08**
12 - PRCS12S100	1.53	13.41	6.14	5.04	1.12	1.28	**1.28**	1.63	9.47	0.00	**4.73**	**3.45**
13 - PRCS13S104	1.53	23.65	16.96	4.25	1.97	3.53	**3.53**	3.13	11.08	0.17	**5.71**	**2.18**
TOTALS	1.53	85.18	63.33	15.84	7.10	13.19	**13.19**	11.24	31.14	2.59	**33.73**	**20.54**

[1]2.5" over Additional Impervious Area.

[2]See next page for water quality calculations by Miami-Dade Department of Regulatory and Economic Resources (DRER).

[3]Multiplied by 2 to account for 50% retention volume credit.

EXCS10S69

Pond 10E1			Pond 10E2			Swale 10E1		
TYPE:	Dry Retention		**TYPE:**	Dry Retention		**TYPE:**	Dry Retention	
STAGE (ft-NAVD)	**AREA (Ac.)**	**VOLUME (Ac-ft)**	**STAGE (ft-NAVD)**	**AREA (Ac.)**	**VOLUME (Ac-ft)**	**STAGE (ft-NAVD)**	**AREA (Ac.)**	**VOLUME (Ac-ft)**
2.53	0.13	--	2.53	0.10	--	2.53	0.11	--
2.93	0.14	0.05	2.93	0.11	0.04	***3.68***	***0.14***	***0.14***
3.43	0.15	0.13	3.43	0.12	0.10	5.93	0.20	0.53
3.68	***0.16***	***0.16***	***3.68***	***0.13***	***0.13***			
3.93	0.16	0.20	3.93	0.14	0.16			
4.43	0.17	0.29	4.43	0.15	0.24			
4.93	0.18	0.37	4.93	0.16	0.31			

PRCS10S116

Pond 10E4		
TYPE:	Dry Retention	
STAGE (ft-NAVD)	**AREA (Ac.)**	**VOLUME (Ac-ft)**
2.53	0.17	--
4.50	***0.22***	***0.38***
5.93	0.29	0.75

PRCS10S72

Pond 10E3			Swale 10W5			Swale 10W6			Pond 10W7		
TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.53	0.47	--	2.53	0.01	--	2.53	0.07	--	2.53	0.63	--
3.50	***0.51***	***0.48***	***3.50***	***0.01***	***0.01***	***3.50***	***0.11***	***0.09***	***3.50***	***0.75***	***0.67***
5.43	0.53	1.48	5.50	0.02	0.04	5.50	0.20	0.40	5.50	1.01	2.44

PRCS11S100

Pond 11W1			Pond 11W2			Swale 11W2		
TYPE:	Dry Retention		TYPE:	Wet Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.53	0.43	--	1.53	1.34	--	2.53	0.00	--
3.50	***0.43***	***0.42***	3.43	1.50	2.70	2.93	0.00	0.00
9.43	0.46	3.07	***3.50***	***1.51***	***2.80***	3.43	0.01	0.00
			7.43	1.80	9.30	***3.50***	***0.01***	***0.01***
						4.43	0.03	0.03
						5.43	0.06	0.07
						6.43	0.09	0.15

PRCS12S100

Pond 12W1			Pond 12W4		
TYPE:	Wet Retention		TYPE:	Wet Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
1.53	0.80	--	1.53	1.43	--
3.50	***0.97***	***1.74***	***3.50***	***1.61***	***2.99***
6.50	1.22	5.02	6.50	1.88	8.23

PRCS13S104

Pond 13E1			Pond 13E3		
TYPE:	Wet Retention		TYPE:	Wet Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
1.53	0.81	--	1.53	1.63	--
3.50	***1.00***	***1.78***	***3.50***	***1.90***	***3.48***
6.50	1.28	5.19	6.50	2.32	9.82

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

DRAINAGE SYSTEM SUMMARY TABLES

Drainage System: ***10, 11, 12, 13***

Summary of Peak Discharges			
Receiving Waterbody:	**C-3 / Coral Gables Canal**		
PRE-DEVELOPMENT			
ICPR Node:	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
CGCANALEAST1	17.58	93.76	30.55
CGCANALWEST	9.99	89.37	18.56
C4CANALWEST	5.24	13.55	9.04
CGCANALEAST3	11.24	16.07	14.58
PRE-DEVELOPMENT TOTALS:	**44.05**	**212.75**	**72.73**
POST-DEVELOPMENT			
ICPR Node:	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
CGCANALEAST1	18.22	83.49	33.16
CGCANALEAST2	25.01	74.36	25.01
C4CANALWEST	0.00	0.00	0.00
CGCANALEAST3	14.23	52.95	30.68
POST-DEVELOPMENT TOTALS:	**57.46**	**210.80**	**88.85**
Pre-Post 25yr-72hr Peak Discharge Reduction (cfs):	***1.95***		

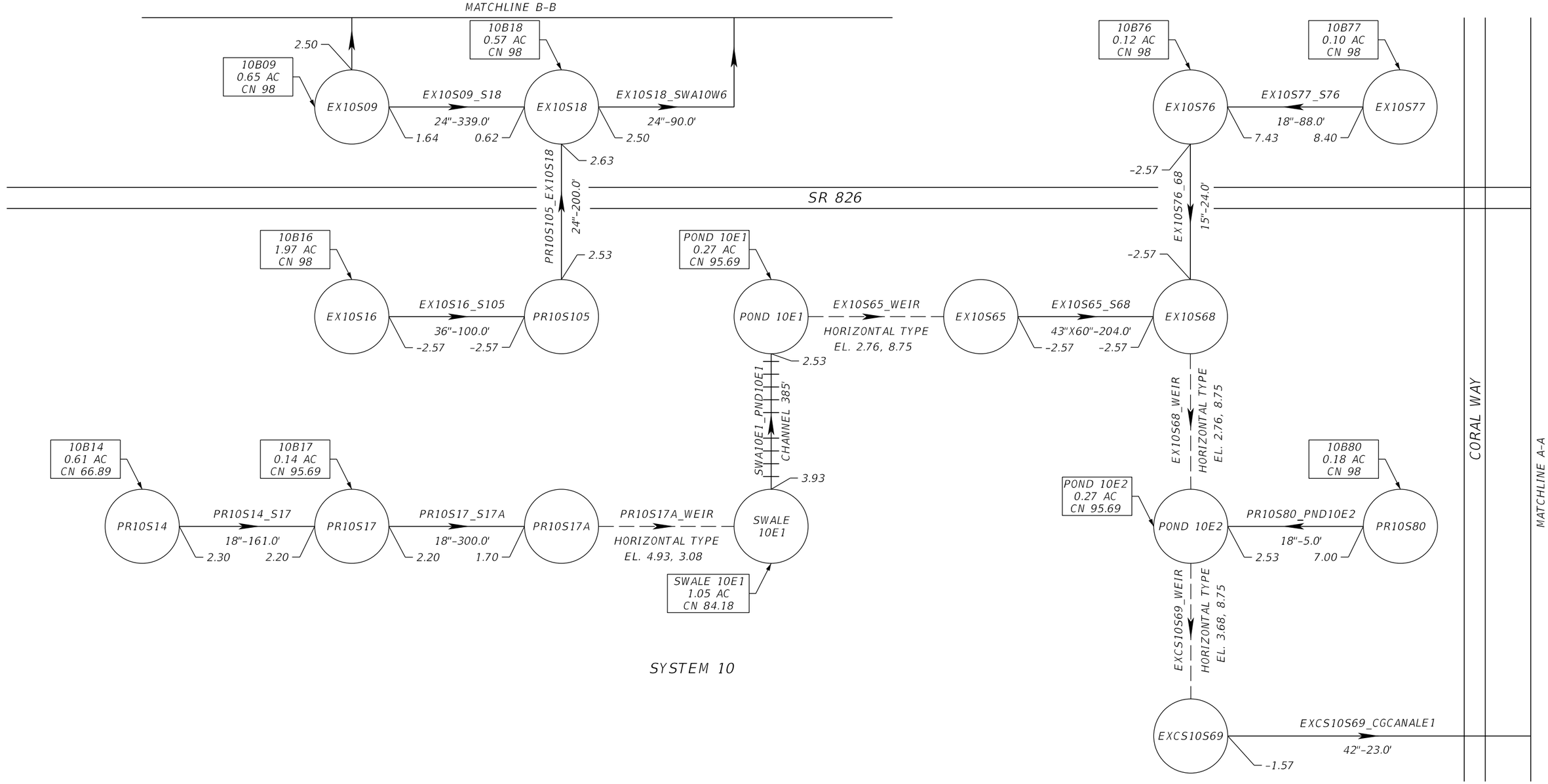
Summary of Peak Stages									
				PRE-DEVELOPMENT			**POST-DEVELOPMENT**		
Pond/ Swale/ FD #	**Type: [Wet/Dry, Det./Ret., FD]**	**Disposition [Exist./ Prop./ Modified]**	**Warning EL. [Min. Berm/ Min. EOP] (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**
POND 10E1	Dry Retention	Exist.	4.93	3.87	4.33	3.98	3.73	4.09	3.77
POND 10E2	Dry Retention	Exist.	4.93	3.84	4.19	3.94	3.72	4.03	3.76
POND 10E3	Dry Retention	Exist.	5.43	4.71	5.22	4.80	3.82	4.95	3.98
POND 10E4	Dry Retention	Exist.	6.43	4.59	5.18	4.63	4.67	5.55	4.73
POND 10W5 / SWALE 10W5	Dry Retention	Exist. / Mod.	4.93 / 5.50	3.93	4.88	4.16	3.90	5.27	4.15
POND 10W6 / SWALE 10W6	Dry Retention	Exist. / Mod.	4.93 / 5.50	4.80	6.15	5.00	3.90	5.26	4.15
POND 10W7	Dry Retention	Prop.	5.50	-	-	-	3.85	5.23	4.06
SWALE 10E1	Dry Retention	Exist.	5.93	3.89	4.57	4.04	4.05	4.76	4.13
PR10S100	FD	Prop.	5.50	-	-	-	3.90	5.33	4.15
PR10S101	FD	Prop.	5.50	-	-	-	3.85	5.32	4.14
PR10S102	FD	Prop.	5.50	-	-	-	3.85	5.23	4.06
PR10S103	FD	Prop.	5.50	-	-	-	3.85	5.23	4.06
PR10S104	FD	Prop.	5.50	-	-	-	3.85	5.23	4.06
PRCS10S116	FD	Prop.	6.43	-	-	-	2.42	5.45	2.42
EX10S117	FD	Prop.	6.43	-	-	-	2.43	3.56	3.42

Summary of Peak Stages

Pond/ Swale/ FD #	Type: [Wet/Dry, Det./Ret., FD]	Disposition [Exist./ Prop./ Modified]	Warning EL. [Min. Berm/ Min. EOP] (ft-NAVD)	PRE-DEVELOPMENT			POST-DEVELOPMENT		
				Max 10yr-24hr Stage (ft-NAVD)	Max 25yr-72hr Stage (ft-NAVD)	Max 100yr-24hr Stage (ft-NAVD)	Max 10yr-24hr Stage (ft-NAVD)	Max 25yr-72hr Stage (ft-NAVD)	Max 100yr-24hr Stage (ft-NAVD)
POND 11W1	Dry Retention	Exist.	9.43	7.91	9.14	8.07	3.91	5.60	4.17
POND 11W2	Wet Retention	Exist.	7.43	2.43	3.16	2.43	3.87	4.84	4.08
SWALE 11W2	Dry Retention	Exist.	6.43	4.10	4.56	4.16	4.03	4.84	4.10
PR11S109	FD	Prop.	6.25	-	-	-	3.87	4.99	4.10
PR11S110	FD	Prop.	6.25	-	-	-	3.88	5.69	4.17
PR11S111	FD	Prop.	6.25	-	-	-	3.90	6.17	4.24
PR11S112	FD	Prop.	6.25	-	-	-	3.92	6.24	4.28
PR11S113	FD	Prop.	6.25	-	-	-	3.93	6.23	4.30
POND 12W1	Dry Retention / Wet Retention	Exist. / Prop.	5.00 / 6.50	3.58	4.31	3.84	4.04	5.41	4.45
POND 12W4	Wet Retention	Exist. / Prop.	4.43 / 6.50	3.44	4.29	3.82	4.05	5.44	4.48
POND 13E1	Dry Retention / Wet Retention	Exist. / Prop.	4.30 / 6.50	3.75	5.04	4.20	4.00	5.26	4.33
POND 13E3	Wet Retention	Exist. / Prop.	3.43 / 6.50	3.44	5.01	4.16	4.03	5.36	4.41
PR13S100	FD	Prop.	7.81	-	-	-	3.95	5.98	4.30
PR13S101	FD	Prop.	7.81	-	-	-	3.96	5.80	4.31

Control Structure Summary Table - Proposed Conditions

Control Structure:	Disposition [Exist./ Prop./ Modified]	Weir Type/ Geometry	Weir EL. (ft-NAVD)	Bleeder Type/ Geometry	Bleeder Invert EL. (ft-NAVD)
EXCS10S69	Exist.	Horizontal / Rectangular (3'x8.75')	3.68	-	-
PRCS10S116	Prop.	Horizontal / Rectangular (3'x6.58')	4.50	-	-
PRCS10S72	Prop.	Horizontal / Rectangular (3'x8.75')	3.50	-	-
PRCS11S100	Prop.	Horizontal / Rectangular (3.08'x4.08')	3.50	-	-
PRCS12S100	Prop.	Vertical / Rectangular (0.50'x0.50')	4.50	-	-
PRCS12S100	Prop.	Horizontal / Rectangular (3.08'x4.08')	5.00	-	-
PRCS13S104	Prop.	Horizontal / Rectangular (3.08'x4.08')	3.50	-	-



SYSTEM 10

LEGEND

B-### #.## AC CN ##.# — CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER	NODE NAME — BOUNDARY NODE WITH CONSTANT TAILWATER	###-### ##"-###' #.## #.## — EXFILTRATION TRENCH LINK WITH SIZE-LENGTH INVERT ELEVATION	####_WEIR VERTICAL TYPE EL. #.##, ## — WEIR LINK WITH WEIR TYPE ELEVATION, WIDTH	###### CHANNEL ###' #.## #.## — CHANNEL LINK WITH LENGTH INVERT ELEVATION
#-### — NODE NAME	PATRICIA LAKE — BOUNDARY NODE WITH VARIABLE TAILWATER	###-### (#)##"-###' #.## #.## — PIPE LINK WITH (QUANTITY)SIZE-LENGTH INVERT ELEVATION	##_## — RATING CURVE LINK	

N.T.S.

1 OF 10

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

MATCHLINE D-D

SYSTEM 10

PR10S19A_PND10W7
24"-5.0'

1.00

10B19A
0.85 AC
CN 98

PR10S21A
PR10S21A_S19A
18"-82.0'
1.10
1.00
PR10S19A

1.10

EX10S21_S21A
18"-80.0'

1.30

SR 826

MATCHLINE A-A

10B19
1.67 AC
CN 98

EX10S19
EX10S19_S21
36"-195.0'
1.07
1.39
EX10S21

EX10S22
EX10S22_S24
36"-395.0'
1.49
1.33
EX10S24
EX10S24_S25
36"-231.0'
1.33
1.25
EX10S25
EX10S25_PND10E3
36"-200.0'
1.25
1.13
POND 10E3
EX10S78_PND10E3
18"-31.0'
2.53
15.87
EX10S78

10B22
1.95 AC
CN 98

10B24
0.71 AC
CN 98

10B25
0.70 AC
CN 98

POND 10E3
0.97 AC
CN 95.99

10B78
0.22 AC
CN 98

10B27
2.91 AC
CN 98

EX10S27
17.93
EX10S27_PND10E3
24"-8.0'
2.53

PR10S106_WEIR
HORIZONTAL TYPE
EL. 2.53, 8.75

PR10S106

PR10S106_S107
36"-255.0'
-2.00

-2.00

PR10S107

PR10S107_WEIR
HORIZONTAL TYPE
EL. 2.53, 8.75

PRCS10S72_WEIR
HORIZONTAL TYPE
EL. 3.50, 8.75

EXCS10S69_CGCANALE1
42"-23.0'

CG
CANAL
EAST1
0.43
0.43
0.43

PRCS10S72_CGCANALE1
42"-147.0'

PRCS10S72
-0.55

EX10S117_CGCANALE1
24"-8.0'

MATCHLINE C-C

N.T.S.

2 OF 10

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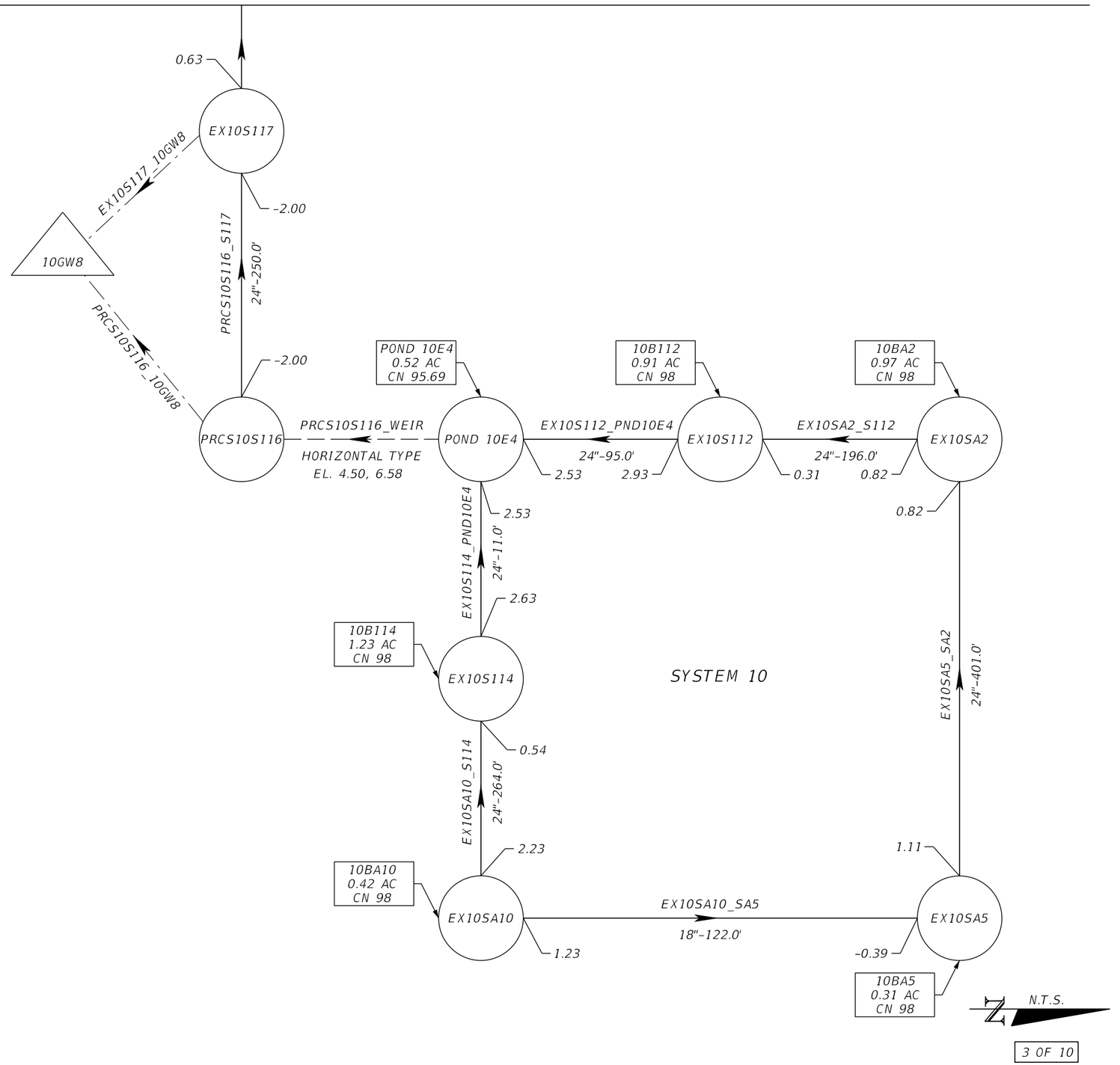
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-2

MATCHLINE C-C



3 OF 10

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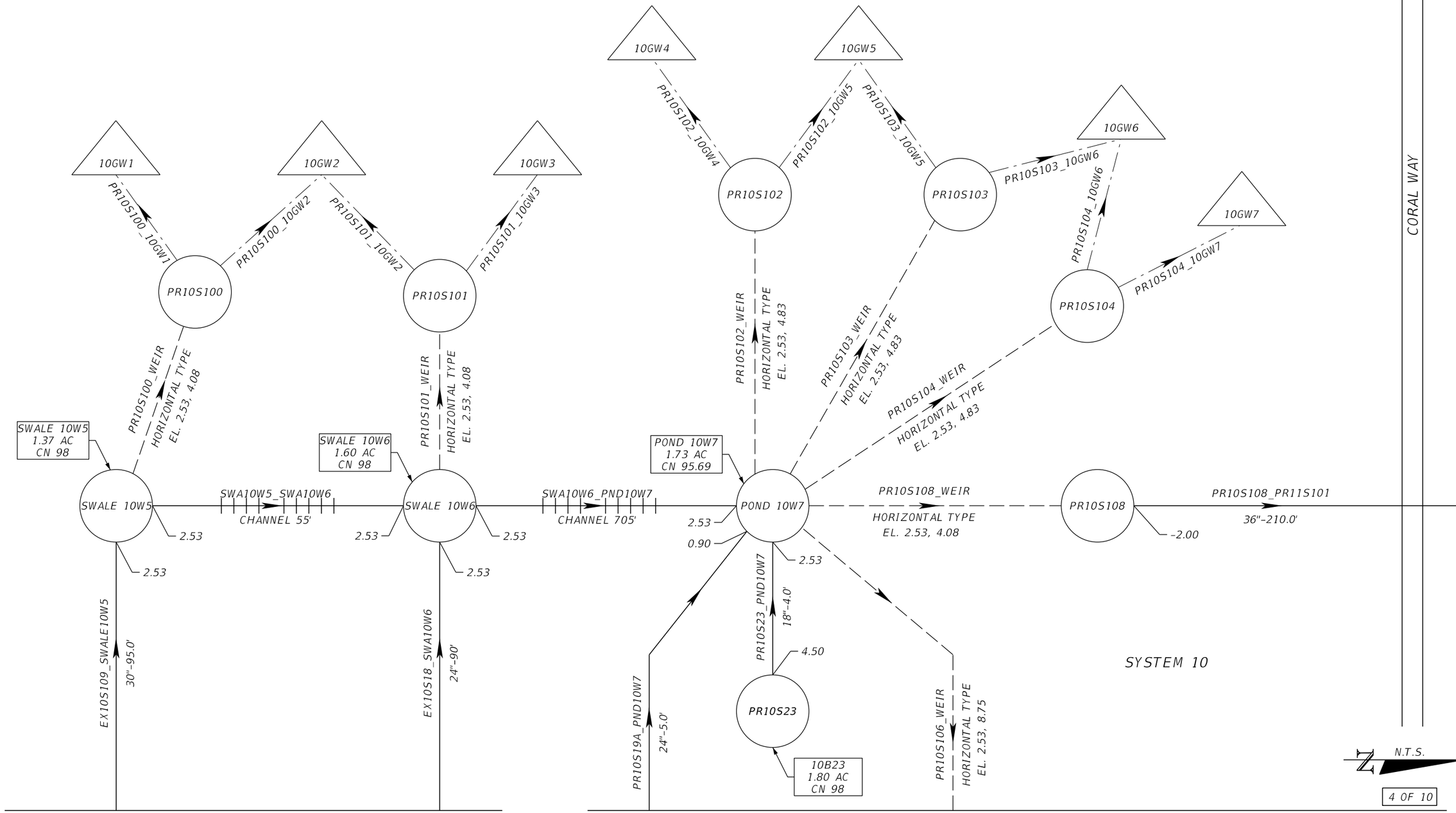
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-3



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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-4

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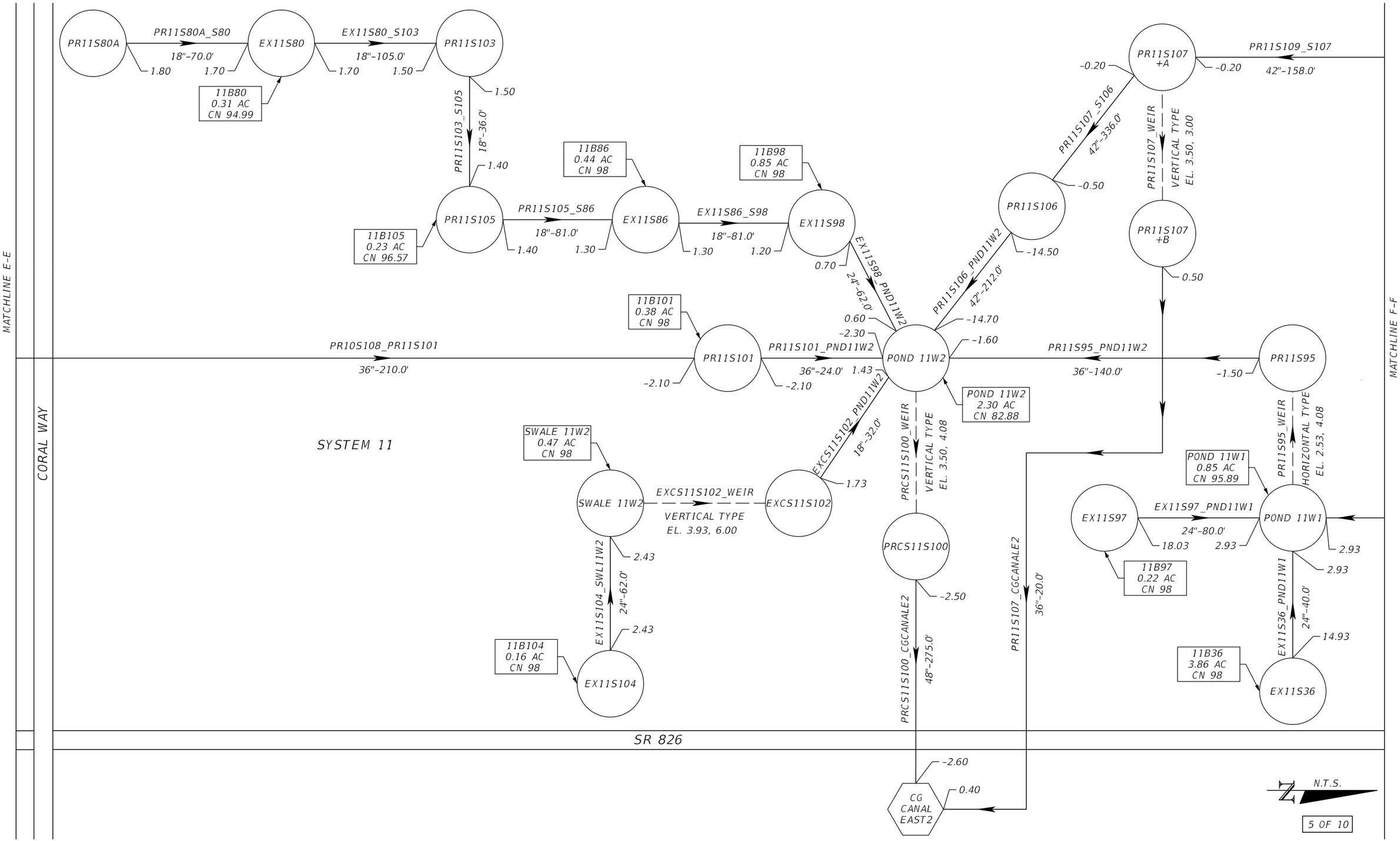

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REVISIONS			
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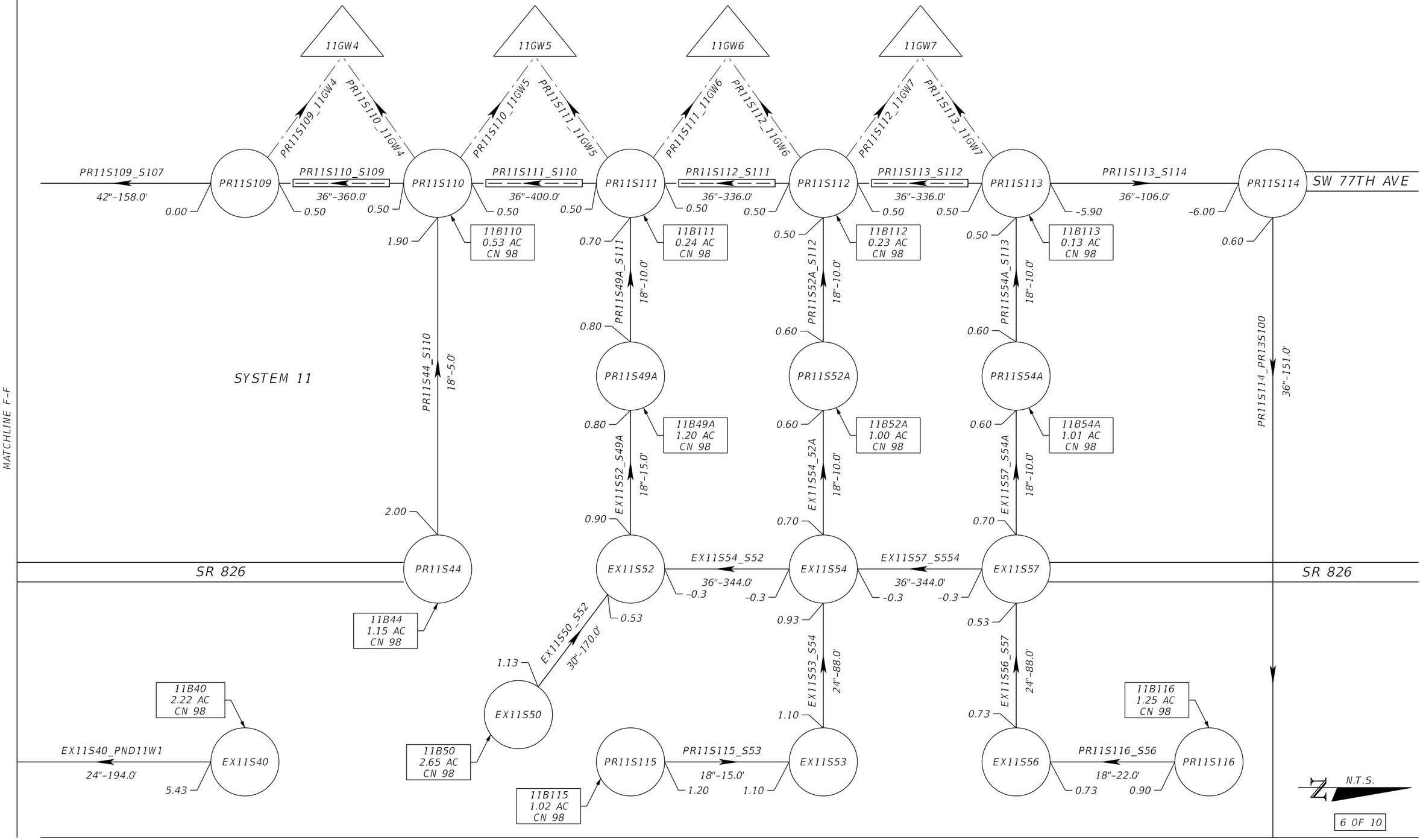
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-5



6 OF 10

REVISIONS			
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MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-6

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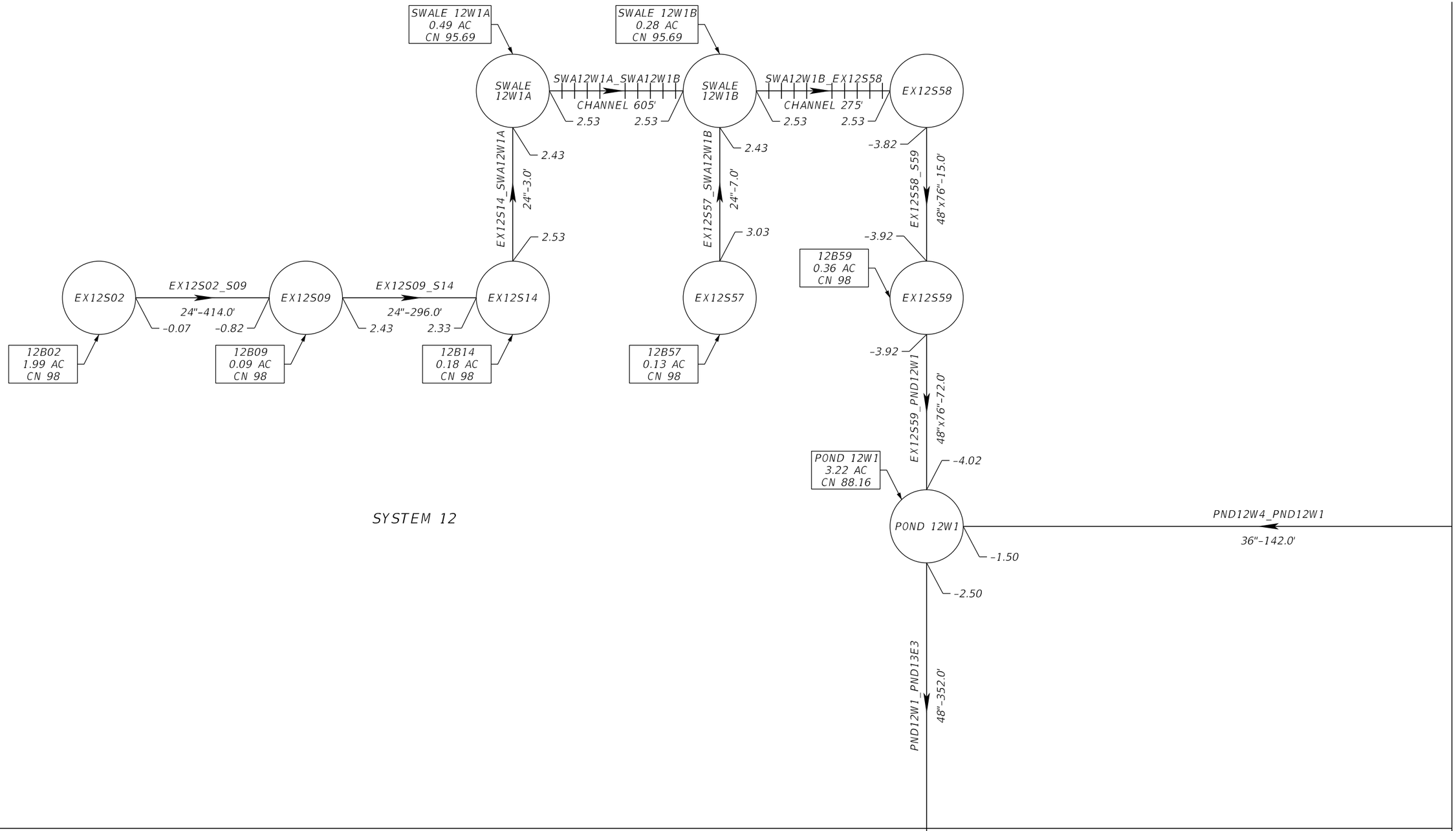

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

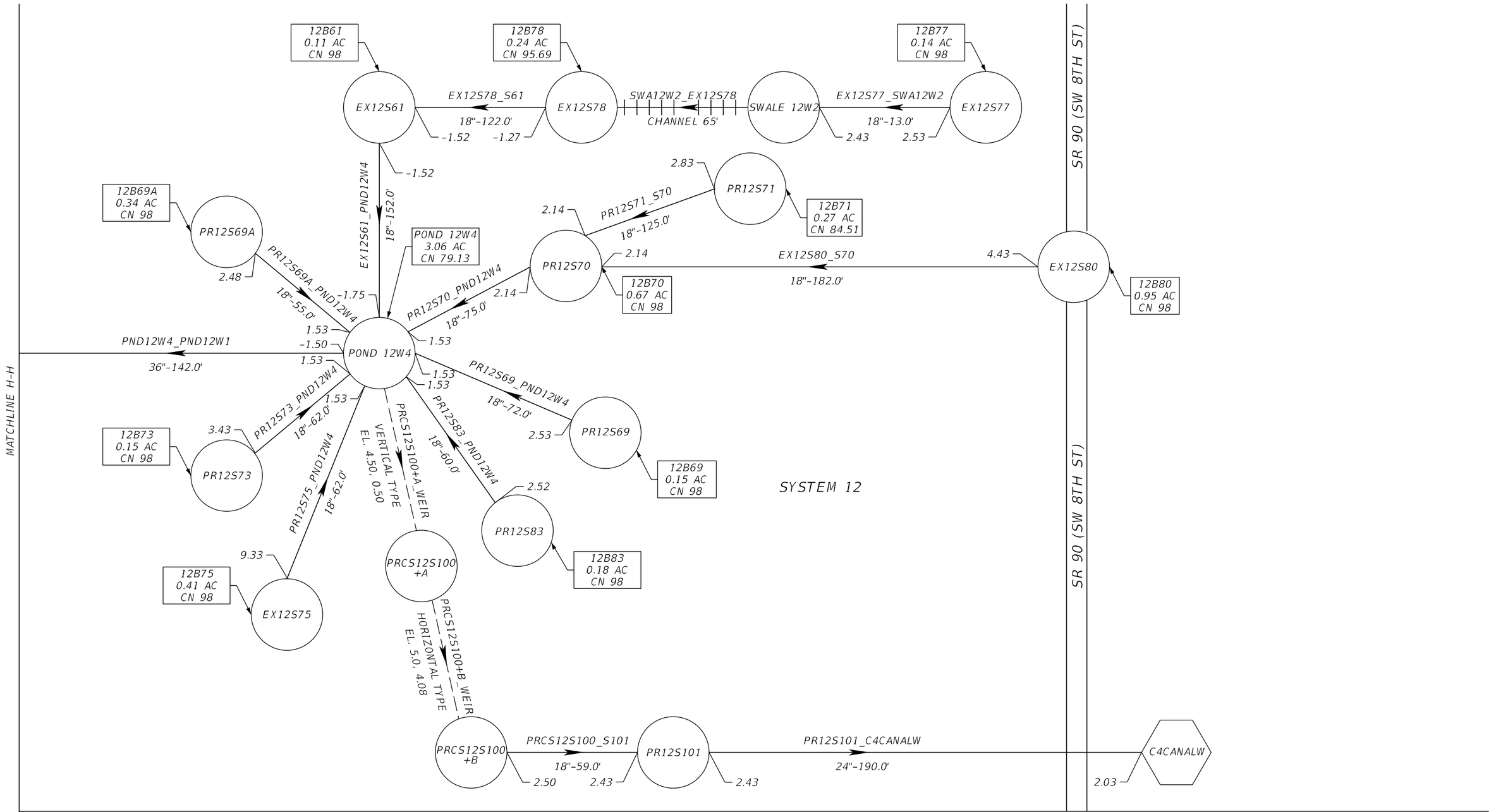
AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-7



8 OF 10

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REVISIONS			
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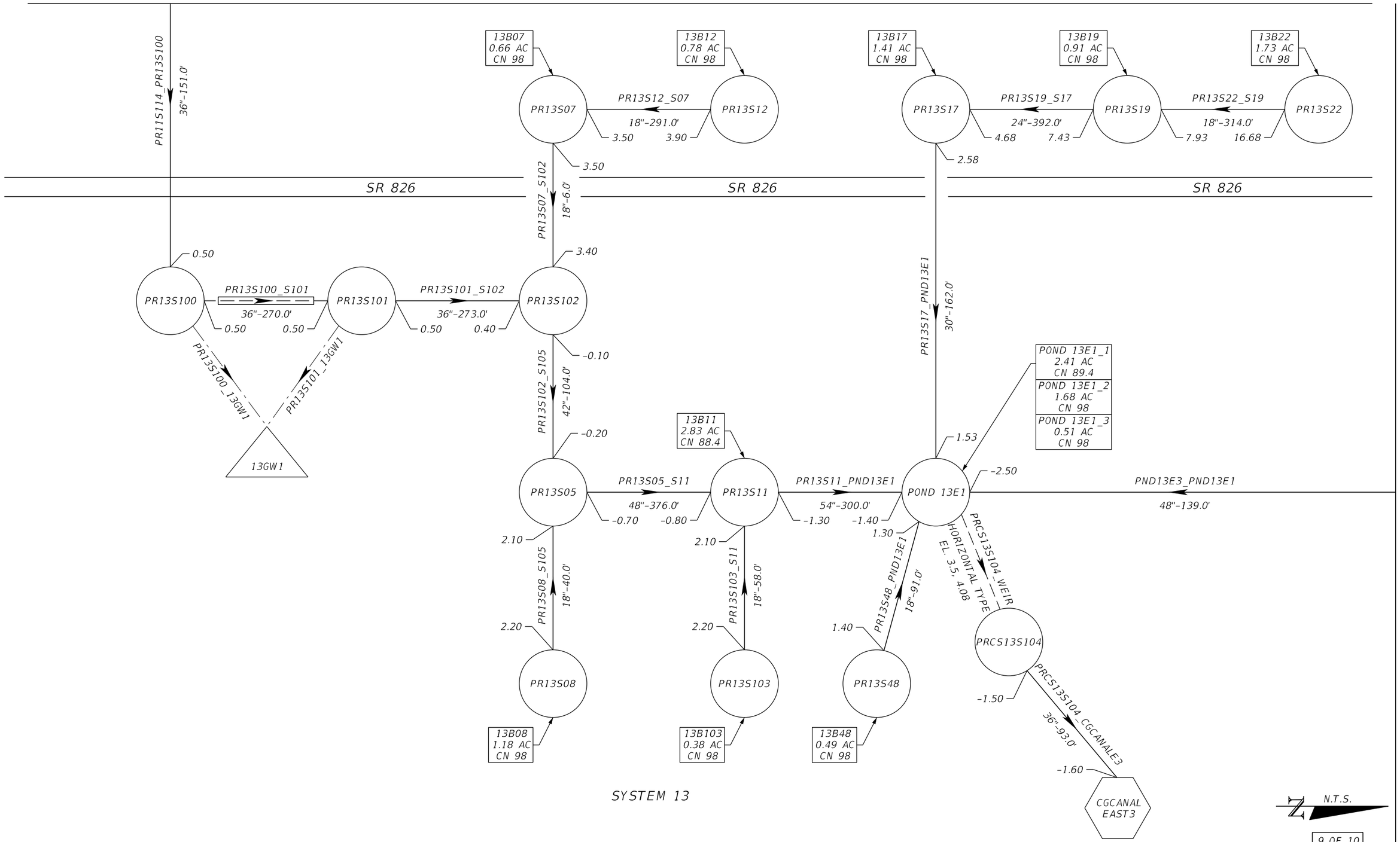
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-8

MATCHLINE G-G



SYSTEM 13

N.T.S.

9 OF 10

MATCHLINE J-J

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REVISIONS			
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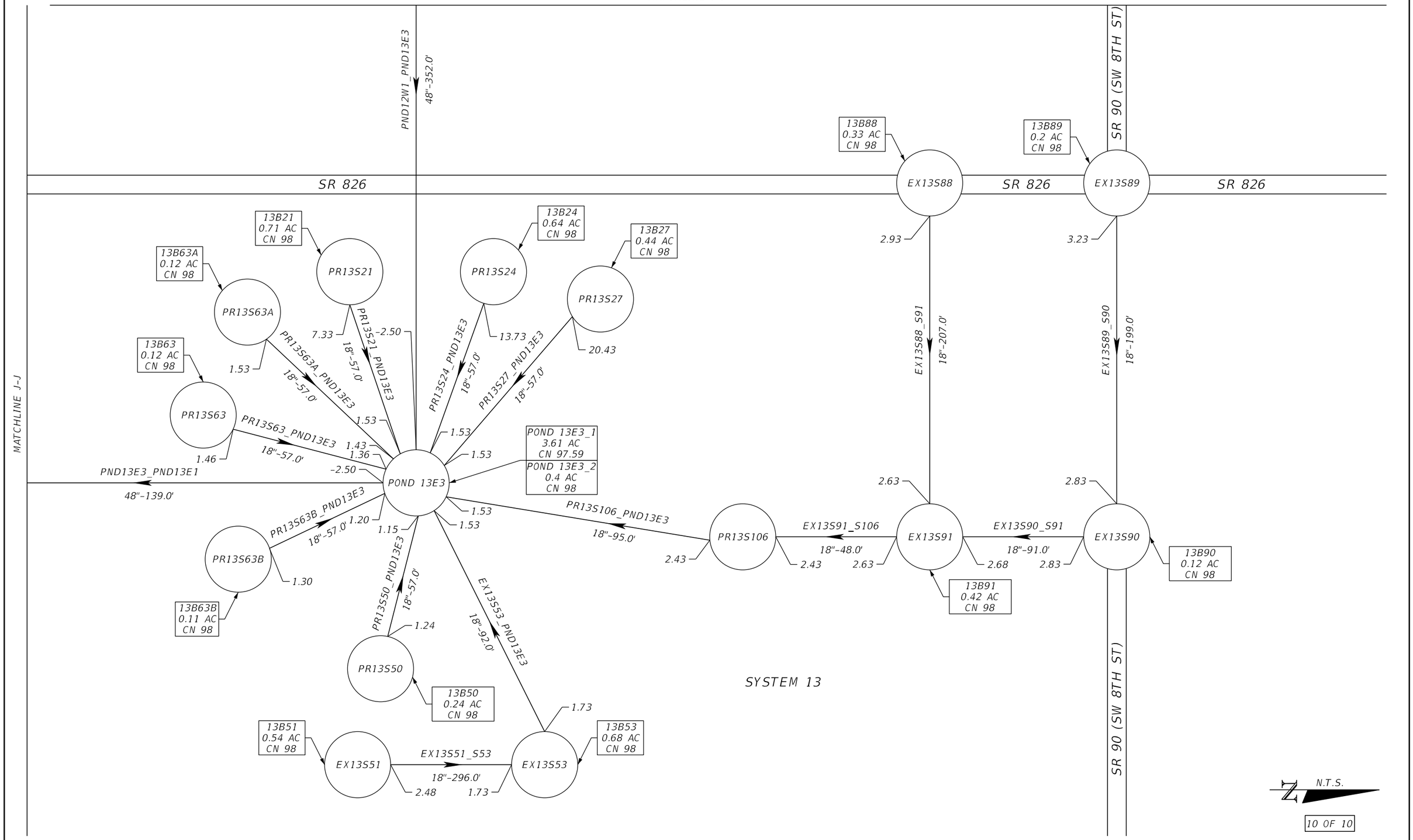
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO.
NL-9



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO.
NL-10

Simple Basin: 10B09

Scenario:	Scenario1
Node:	EX10S09
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B112

Scenario:	Scenario1
Node:	EX10S112
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B114

Scenario:	Scenario1
Node:	EX10S114
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B14

Scenario:	Scenario1
Node:	PR10S14
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6100 ac
Curve Number:	66.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B16

Scenario:	Scenario1
Node:	EX10S16
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.9700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B17

Scenario:	Scenario1
Node:	PR10S17
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1400 ac
Curve Number:	66.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B18

Scenario:	Scenario1
Node:	EX10S18
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B19

Scenario:	Scenario1
Node:	EX10S19
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.6700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B19A

Scenario:	Scenario1
Node:	PR10S19A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B22

Scenario:	Scenario1
Node:	EX10S22
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.9500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B23

Scenario:	Scenario1
Node:	PR10S23
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.8000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B24

Scenario:	Scenario1
Node:	EX10S24
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B25

Scenario:	Scenario1
Node:	EX10S25
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B27

Scenario:	Scenario1
Node:	EX10S27
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.9100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B76

Scenario:	Scenario1
Node:	EX10S76
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B77

Scenario:	Scenario1
Node:	EX10S77
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B78

Scenario:	Scenario1
Node:	EX10S78
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10B80

Scenario:	Scenario1
Node:	PR10S80
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10BA10

Scenario:	Scenario1
Node:	EX10SA10
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10BA2

Scenario:	Scenario1
Node:	EX10SA2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 10BA5

Scenario:	Scenario1
Node:	EX10SA5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B101

Scenario:	Scenario1
Node:	PR11S101
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B104

Scenario:	Scenario1
Node:	EX11S104
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B105

Scenario:	Scenario1
Node:	PR11S105
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2300 ac
Curve Number:	96.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B110

Scenario:	Scenario1
Node:	PR11S110
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B111

Scenario:	Scenario1
Node:	PR11S111
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B112

Scenario:	Scenario1
Node:	PR11S112
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B113

Scenario:	Scenario1
Node:	PR11S113
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B115

Scenario:	Scenario1
Node:	PR11S115
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B116

Scenario:	Scenario1
Node:	PR11S116
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B36

Scenario:	Scenario1
Node:	EX11S36
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B40

Scenario:	Scenario1
Node:	EX11S40
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B44

Scenario:	Scenario1
Node:	PR11S44
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B49A

Scenario:	Scenario1
Node:	PR11S49A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B50

Scenario:	Scenario1
Node:	EX11S50
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.6500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B52A

Scenario:	Scenario1
Node:	PR11S52A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B54A

Scenario:	Scenario1
Node:	PR11S54A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B80

Scenario:	Scenario1
Node:	EX11S80
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3100 ac
Curve Number:	95.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B86

Scenario:	Scenario1
Node:	EX11S86
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B97

Scenario:	Scenario1
Node:	EX11S97
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 11B98

Scenario:	Scenario1
Node:	EX11S98
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B02

Scenario:	Scenario1
Node:	EX12S02
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.9900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B09

Scenario:	Scenario1
Node:	EX12S09
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B14

Scenario:	Scenario1
Node:	EX12S14
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B57

Scenario:	Scenario1
Node:	EX12S57
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B59

Scenario:	Scenario1
Node:	EX12S59
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B61

Scenario:	Scenario1
Node:	EX12S61
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B69

Scenario:	Scenario1
Node:	PR12S69
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B69A

Scenario:	Scenario1
Node:	PR12S69A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B70

Scenario:	Scenario1
Node:	PR12S70
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B71

Scenario:	Scenario1
Node:	PR12S71
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2700 ac
Curve Number:	84.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B73

Scenario:	Scenario1
Node:	PR12S73
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B75

Scenario:	Scenario1
Node:	PR12S75
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B77

Scenario:	Scenario1
Node:	EX12S77
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B78

Scenario:	Scenario1
Node:	EX12S78
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2400 ac
Curve Number:	95.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B80

Scenario:	Scenario1
Node:	EX12S80
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 12B83

Scenario:	Scenario1
Node:	PR12S83
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B07

Scenario:	Scenario1
Node:	PR13S07
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B08

Scenario:	Scenario1
Node:	PR13S08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B103

Scenario:	Scenario1
Node:	PR13S103
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B11

Scenario:	Scenario1
Node:	PR13S11
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8300 ac
Curve Number:	88.4
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B12

Scenario:	Scenario1
Node:	PR13S12
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B17

Scenario:	Scenario1
Node:	PR13S17
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.4100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B19

Scenario:	Scenario1
Node:	PR13S19
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B21

Scenario:	Scenario1
Node:	PR13S21
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B22

Scenario:	Scenario1
Node:	PR13S22
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.7300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B24

Scenario:	Scenario1
Node:	PR13S24
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B27

Scenario:	Scenario1
Node:	PR13S27
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B48

Scenario:	Scenario1
Node:	PR13S48
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B50

Scenario:	Scenario1
Node:	PR13S50
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B51

Scenario:	Scenario1
Node:	EX13S51
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B53

Scenario:	Scenario1
Node:	EX13S53
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B63

Scenario:	Scenario1
Node:	PR13S63
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B63A

Scenario:	Scenario1
Node:	PR13S63A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B63B

Scenario:	Scenario1
Node:	PR13S63B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B88

Scenario:	Scenario1
Node:	EX13S88
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B89

Scenario:	Scenario1
Node:	EX13S89
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B90

Scenario:	Scenario1
Node:	EX13S90
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 13B91

Scenario:	Scenario1
Node:	EX13S91
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 10E1

Scenario:	Scenario1
Node:	POND 10E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2700 ac
Curve Number:	95.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 10E2

Scenario:	Scenario1
Node:	POND 10E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2700 ac
Curve Number:	95.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 10E3

Scenario:	Scenario1
Node:	POND 10E3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9700 ac
Curve Number:	96.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 10E4

Scenario:	Scenario1
Node:	POND 10E4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5200 ac
Curve Number:	95.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 10W7

Scenario:	Scenario1
Node:	POND 10W7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.7300 ac
Curve Number:	95.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 11W1

Scenario:	Scenario1
Node:	POND 11W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8500 ac
Curve Number:	95.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 11W2

Scenario:	Scenario1
Node:	POND 11W2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.3000 ac
Curve Number:	82.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 12W1

Scenario:	Scenario1
Node:	POND 12W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.2200 ac
Curve Number:	88.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 12W4

Scenario:	Scenario1
Node:	POND 12W4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.0600 ac
Curve Number:	79.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 13E1_1

Scenario:	Scenario1
Node:	POND 13E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.4100 ac
Curve Number:	89.4
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 13E1_2

Scenario:	Scenario1
Node:	POND 13E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.6800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 13E1_3

Scenario:	Scenario1
Node:	POND 13E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 13E3_1

Scenario:	Scenario1
Node:	POND 13E3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.6100 ac
Curve Number:	97.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 13E3_2

Scenario:	Scenario1
Node:	POND 13E3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: SWALE 10E1

Scenario:	Scenario1
Node:	SWALE 10E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0500 ac
Curve Number:	84.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: SWALE 10W5

Scenario:	Scenario1
Node:	SWALE 10W5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: SWALE 10W6

Scenario:	Scenario1
Node:	SWALE 10W6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.6000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: SWALE 11W2

Scenario:	Scenario1
Node:	SWALE 11W2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: SWALE 12W1A

Scenario:	Scenario1
Node:	SWALE 12W1A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4900 ac
Curve Number:	95.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: SWALE 12W1B

Scenario:	Scenario1
Node:	SWALE 12W1B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2800 ac
Curve Number:	95.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Node: 10GW1

Scenario:	Scenario1
Type:	Time/Stage
Base Flow:	0.00 cfs
Initial Stage:	1.53 ft
Warning Stage:	5.50 ft
Boundary Stage:	VARIABLE GW

Comment:

Node: 10GW2

Scenario:	Scenario1
Type:	Time/Stage
Base Flow:	0.00 cfs
Initial Stage:	1.53 ft
Warning Stage:	5.50 ft
Boundary Stage:	VARIABLE GW

Comment:

Node: 10GW3

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.50 ft
Boundary Stage: VARIABLE GW

Comment:

Node: 10GW4

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.50 ft
Boundary Stage: VARIABLE GW

Comment:

Node: 10GW5

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.50 ft
Boundary Stage: VARIABLE GW

Comment:

Node: 10GW6

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.50 ft
Boundary Stage: VARIABLE GW

Comment:

Node: 10GW7

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.50 ft
Boundary Stage: VARIABLE GW

Comment:

Node: 10GW8

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.93 ft
Boundary Stage: VARIABLE GW

Comment:

Node: 11GW4

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.00 ft
Boundary Stage: VARIABLE GW

Comment:

Node: 11GW5

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.00 ft
Boundary Stage: VARIABLE GW

Comment:

Node: 11GW6

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.00 ft
Boundary Stage: VARIABLE GW

Comment:

Node: 11GW7

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.00 ft
Boundary Stage: VARIABLE GW

Comment:

Node: 13GW1

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.00 ft
Boundary Stage: VARIABLE GW

Comment:

Node: C4CANALW

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft

Warning Stage: 3.43 ft
Boundary Stage: VARIABLE C4 CANAL

Comment:

Node: CGCANALEAST1

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 3.43 ft
Boundary Stage: VARIABLE C3 CANAL

Comment:

Node: CGCANALEAST2

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.04 ft
Boundary Stage: VARIABLE C3 CANAL

Comment:

Node: CGCANALEAST3

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 3.43 ft
Boundary Stage: VARIABLE C3 CANAL

Comment:

Node: EX10S09

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.64 ft
Warning Stage: 5.68 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.36	0.0010	44
5.68	0.0010	44
5.69	0.0100	436

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S112

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 7.79 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.12	0.0012	53
8.18	0.0012	53
8.19	0.0123	535

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S114

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 7.25 ft

Stage [ft]	Area [ac]	Area [ft2]
0.63	0.0003	14
7.25	0.0003	14
7.26	0.0032	140

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S117

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.50	0.0008	34
6.43	0.0008	34
6.44	0.0078	340

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S16

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.11 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.57	0.0010	44
6.11	0.0010	44
6.12	0.0100	436

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S18

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.10 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.95	0.0003	14
6.10	0.0003	14
6.11	0.0032	140

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S19

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.04 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.93	0.0015	65
6.04	0.0015	65
6.05	0.0149	650

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S21

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.68 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.61	0.0011	50
6.68	0.0011	50
6.69	0.0115	500

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S22

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.36 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.01	0.0014	60
6.36	0.0014	60
6.37	0.0138	600

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S24

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 12.89 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.67	0.0003	12
12.89	0.0003	12
12.90	0.0027	119

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S25

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 19.64 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.75	0.0003	12
19.64	0.0003	12
19.65	0.0027	117

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S27

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.93 ft
Warning Stage: 25.30 ft

Stage [ft]	Area [ac]	Area [ft2]
15.93	0.0003	12
25.30	0.0003	12
25.31	0.0027	117

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S65

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 4.93 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.57	0.0005	23
2.76	0.0005	23
2.77	0.0053	230

Comment: WARNING STAGE SAME AS WARNING STAGE FOR POND 10E1. GRATE ELEVATION AT 2.76.

FROM FPID NO. 249648-1-52-01

Node: EX10S68

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 4.93 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.57	0.0005	23
2.76	0.0005	23
2.77	0.0053	230

Comment: WARNING STAGE SAME AS WARNING STAGE FOR POND 10E2. GRATE ELEVATION AT 2.76.

FROM FPID NO. 249648-1-52-01

Node: EX10S76

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 18.24 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.57	0.0003	12
18.24	0.0003	12
18.25	0.0027	119

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S77

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.40 ft
Warning Stage: 14.84 ft

Stage [ft]	Area [ac]	Area [ft2]
6.40	0.0003	12
14.84	0.0003	12
14.85	0.0027	117

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10S78

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.87 ft
Warning Stage: 19.62 ft

Stage [ft]	Area [ac]	Area [ft2]
13.87	0.0003	12
19.62	0.0003	12
19.63	0.0027	117

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10SA10

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.35 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.99	0.0010	45
6.11	0.0010	45
6.12	0.0103	450

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10SA2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 7.02 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.29	0.0003	12
5.71	0.0003	12
5.72	0.0028	122

Comment: FROM FPID NO. 249648-1-52-01

Node: EX10SA5

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.93 ft

Stage [ft]	Area [ac]	Area [ft2]
0.09	0.0001	6
5.73	0.0001	6
5.74	0.0014	62

Comment: WARNING STAGE SAME AS LOWEST ROADWAY ELEVATION. GRATE ELEVATION AT 5.73

FROM FPID NO. 249648-1-52-01

Node: EX11S104

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 6.22 ft

Stage [ft]	Area [ac]	Area [ft2]
0.43	0.0003	14
6.22	0.0003	14
6.23	0.0032	140

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S36

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 14.93 ft
Warning Stage: 21.70 ft

Stage [ft]	Area [ac]	Area [ft2]
12.93	0.0003	12
21.70	0.0003	12
21.71	0.0027	117

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S40

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.43 ft
Warning Stage: 15.15 ft

Stage [ft]	Area [ac]	Area [ft2]
3.43	0.0008	36
15.15	0.0008	36
15.16	0.0083	360

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S50

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 8.61 ft

Stage [ft]	Area [ac]	Area [ft2]
0.17	0.0008	37
8.61	0.0008	37
8.62	0.0084	367

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S52

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.37 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.30	0.0011	50
5.37	0.0011	50
5.38	0.0115	500

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S53

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 7.31 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.90	0.0011	50
7.31	0.0011	50
7.32	0.0115	500

Comment:

Node: EX11S54

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.04 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.30	0.0011	50
5.04	0.0011	50
5.05	0.0115	500

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S56

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 7.31 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.10	0.0011	50
7.31	0.0011	50
7.32	0.0115	500

Comment:

Node: EX11S57

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.15 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.30	0.0011	50
5.15	0.0011	50
5.16	0.0115	500

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S80

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.61 ft
Warning Stage: 6.39 ft

Stage [ft]	Area [ac]	Area [ft2]
0.61	0.0003	14
6.39	0.0003	14
6.40	0.0032	140

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S86

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.68 ft
Warning Stage: 6.27 ft

Stage [ft]	Area [ac]	Area [ft2]
0.68	0.0003	12
6.27	0.0003	12
6.28	0.0027	119

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S97

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 18.03 ft
Warning Stage: 20.61 ft

Stage [ft]	Area [ac]	Area [ft2]
16.03	0.0003	12
20.61	0.0003	12
20.62	0.0027	117

Comment: FROM FPID NO. 249648-1-52-01

Node: EX11S98

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.69 ft
Warning Stage: 6.31 ft

Stage [ft]	Area [ac]	Area [ft2]
0.69	0.0003	12
6.31	0.0003	12
6.32	0.0027	117

Comment: FROM FPID NO. 249648-1-52-01

Node: EX12S02

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 4.92 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.62	0.0007	29
4.92	0.0007	29
4.93	0.0067	294

Comment: FROM FPID NO. 249649-1-52-01

Node: EX12S09

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 8.09 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.82	0.0008	37
8.09	0.0008	37
8.10	0.0084	367

Comment: FROM FPID NO. 249649-1-52-01

Node: EX12S14

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.33 ft
Warning Stage: 10.32 ft

Stage [ft]	Area [ac]	Area [ft2]
0.33	0.0004	16
10.32	0.0004	16
10.33	0.0037	160

Comment: FROM FPID NO. 249649-1-52-01

Node: EX12S57

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.03 ft
Warning Stage: 10.11 ft

Stage [ft]	Area [ac]	Area [ft2]
1.03	0.0011	50
10.11	0.0011	50
10.12	0.0114	498

Comment: FROM FPID NO. 249649-1-52-01

Node: EX12S58

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 4.93 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.32	0.0014	61
4.93	0.0014	61
4.94	0.0141	614

Comment: WARNING STAGE TAKEN AT TOP OF DITCH. GRATE ELEVATION AT 2.53.

Node: EX12S59

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.20 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.92	0.0007	32
5.20	0.0007	32
5.21	0.0075	325

Comment: FROM FPID NO. 249649-1-52-01

Node: EX12S61

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.12 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.52	0.0011	48
5.12	0.0011	48
5.13	0.0114	497

Comment: FROM FPID NO. 249649-1-52-01

Node: EX12S77

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.53 ft
Warning Stage: 6.27 ft

Stage [ft]	Area [ac]	Area [ft2]
0.53	0.0003	14
6.27	0.0003	14
6.28	0.0032	140

Comment: FROM FPID NO. 249649-1-52-01

Node: EX12S78

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 4.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.82	0.0006	24
4.43	0.0006	24
4.44	0.0056	242

Comment: WARNING STAGE TAKEN AT TOP OF DITCH. GRATE ELEVATION AT 2.53.

Node: EX12S80

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.43 ft
Warning Stage: 8.53 ft

Stage [ft]	Area [ac]	Area [ft2]
1.43	0.0003	14
8.53	0.0003	14
8.54	0.0032	140

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S51

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.48 ft
Warning Stage: 6.99 ft

Stage [ft]	Area [ac]	Area [ft2]
0.48	0.0008	37
6.99	0.0008	37
7.00	0.0084	367

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S53

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.73 ft
Warning Stage: 8.33 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.27	0.0008	37
8.33	0.0008	37
8.34	0.0084	367

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S88

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.93 ft
Warning Stage: 6.65 ft

Stage [ft]	Area [ac]	Area [ft2]
0.93	0.0003	12
6.65	0.0003	12
6.66	0.0027	119

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S89

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.23 ft
Warning Stage: 7.23 ft

Stage [ft]	Area [ac]	Area [ft2]
1.23	0.0003	12
7.23	0.0003	12
7.24	0.0027	119

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S90

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.83 ft
Warning Stage: 7.93 ft

Stage [ft]	Area [ac]	Area [ft2]
0.83	0.0003	12
7.93	0.0003	12
7.94	0.0027	119

Comment: FROM FPID NO. 249649-1-52-01

Node: EX13S91

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.63 ft
Warning Stage: 7.67 ft

Stage [ft]	Area [ac]	Area [ft2]
0.63	0.0003	14
7.67	0.0003	14
7.68	0.0032	140

Comment: FROM FPID NO. 249649-1-52-01

Node: EXCS10S69

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 4.93 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.57	0.0003	12
3.68	0.0003	12
3.69	0.0027	117

Comment: WARNING STAGE SAME AS WARNING STAGE FOR POND 10E2. GRATE ELEVATION AT 3.68.

FROM FPID NO. 249648-1-52-01

Node: EXCS11S102

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.73 ft
Warning Stage: 7.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.57	0.0018	78
7.43	0.0018	78
7.44	0.0179	780

Comment: FROM FPID NO. 249648-1-52-01

Node: POND 10E1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.53 ft
Warning Stage: 4.93 ft

Stage [ft]	Area [ac]	Area [ft2]
2.53	0.1300	5663
2.93	0.1400	6098
3.43	0.1500	6534
3.68	0.1600	6970
3.93	0.1600	6970
4.43	0.1700	7405
4.93	0.1800	7841

Comment:

Node: POND 10E2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.53 ft
Warning Stage: 4.93 ft

Stage [ft]	Area [ac]	Area [ft2]
2.53	0.1000	4356
2.93	0.1100	4792
3.43	0.1200	5227
3.68	0.1300	5663
3.93	0.1400	6098
4.43	0.1500	6534
4.93	0.1600	6970

Comment:

Node: POND 10E3

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.53 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.53	0.4700	20473

Stage [ft]	Area [ac]	Area [ft2]
3.50	0.5100	22216
5.43	0.5300	23087

Comment:

Node: POND 10E4

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.53 ft
Warning Stage: 6.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.53	0.1700	7405
4.50	0.2200	9583
5.93	0.2900	12632

Comment:

Node: POND 10W7

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.53 ft
Warning Stage: 5.50 ft

Stage [ft]	Area [ac]	Area [ft2]
2.53	0.6300	27443
3.50	0.7500	32670
5.50	1.0100	43996

Comment:

Node: POND 11W1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.93 ft
Warning Stage: 9.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.53	0.4300	18731
3.50	0.4300	18731
9.43	0.4600	20038

Comment:

Node: POND 11W2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 7.43 ft

Stage [ft]	Area [ac]	Area [ft2]
1.53	1.3400	58370
3.43	1.5000	65340
3.50	1.5100	65776
7.43	1.8000	78408

Comment: FROM FPID NO. 249648-1-52-01

Node: POND 12W1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.50 ft

Stage [ft]	Area [ac]	Area [ft2]
1.53	0.8000	34848
3.50	0.9700	42253
6.50	1.2200	53143

Comment:

Node: POND 12W4

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.50 ft

Stage [ft]	Area [ac]	Area [ft2]
1.53	1.4300	62291
3.50	1.6100	70132
6.50	1.8800	81893

Comment:

Node: POND 13E1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.50 ft

Stage [ft]	Area [ac]	Area [ft2]
1.53	0.8100	35284
3.50	1.0000	43560
6.50	1.2800	55757

Comment:

Node: POND 13E3

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.50 ft

Stage [ft]	Area [ac]	Area [ft2]
1.53	1.6300	71003
3.50	1.9000	82764
6.50	2.3200	101059

Comment:

Node: PR10S100

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.50 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.00	0.0006	24
2.53	0.0006	24
2.54	0.0055	242

Comment: WARNING STAGE TAKEN AT TOP OF DITCH. GRATE ELEVATION AT 2.53

Node: PR10S101

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.50 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.00	0.0006	24
2.53	0.0006	24
2.54	0.0055	242

Comment: WARNING STAGE TAKEN AT TOP OF DITCH. GRATE ELEVATION AT 2.53

Node: PR10S102

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.50 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.00	0.0006	24
2.53	0.0006	24
2.54	0.0055	242

Comment: WARNING STAGE TAKEN AT TOP OF DITCH. GRATE ELEVATION AT 2.53

Node: PR10S103

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.50 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.00	0.0006	24
2.53	0.0006	24
2.54	0.0055	242

Comment: WARNING STAGE TAKEN AT TOP OF DITCH. GRATE ELEVATION AT 2.53

Node: PR10S104

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.50 ft

Stage [ft]	Area [ac]	Area [ft2]
2.53	0.0006	24
2.54	0.0055	242

Comment: WARNING STAGE TAKEN AT TOP OF DITCH. GRATE ELEVATION AT 2.53

Node: PR10S105

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.00	0.0003	14
6.00	0.0003	14
6.01	0.0032	140

Comment:

Node: PR10S106

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.50 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.57	0.0003	12
2.53	0.0003	12
2.54	0.0027	117

Comment:

Node: PR10S107

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.50 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.57	0.0003	12
2.53	0.0003	12
2.54	0.0027	117

Comment:

Node: PR10S108

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.50 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.50	0.0018	78
3.75	0.0018	78
3.76	0.0179	780

Comment:

Node: PR10S14

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.30 ft
Warning Stage: 5.93 ft

Stage [ft]	Area [ac]	Area [ft2]
0.20	0.0005	23
4.93	0.0005	23
4.94	0.0053	230

Comment:

Node: PR10S17

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.20 ft
Warning Stage: 5.93 ft

Stage [ft]	Area [ac]	Area [ft2]
0.20	0.0005	23
4.93	0.0005	23
4.94	0.0053	230

Comment:

Node: PR10S17A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.93 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.57	0.0005	23
2.76	0.0005	23
2.77	0.0053	230

Comment:

Node: PR10S19A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 7.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.00	0.0003	12
7.00	0.0003	12
7.01	0.0027	119

Comment:

Node: PR10S21A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.50 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.00	0.0003	12
6.50	0.0003	12
6.51	0.0027	119

Comment:

Node: PR10S23

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.50 ft
Warning Stage: 9.30 ft

Stage [ft]	Area [ac]	Area [ft2]
2.50	0.0003	12
9.30	0.0003	12
9.31	0.0027	119

Comment:

Node: PR10S80

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.00 ft
Warning Stage: 12.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.0003	12
12.00	0.0003	12
12.01	0.0027	117

Comment:

Node: PR11S101

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.60 ft
Warning Stage: 7.30 ft

Stage [ft]	Area [ac]	Area [ft2]
0.60	0.0003	13
7.30	0.0003	13
7.31	0.0029	126

Comment:

Node: PR11S103

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 7.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0003	12
7.00	0.0003	12
7.01	0.0027	119

Comment:

Node: PR11S105

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0003	12
8.00	0.0003	12
8.01	0.0027	119

Comment:

Node: PR11S106

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-20.00	0.0003	13
6.00	0.0003	13
6.01	0.0029	126

Comment:

Node: PR11S107+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.00	0.0003	13
6.00	0.0003	13
6.01	0.0029	126

Comment:

Node: PR11S107+B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.00	0.0003	13
6.00	0.0003	13
6.01	0.0029	126

Comment:

Node: PR11S109

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.25 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.50	0.0003	13
6.25	0.0003	13
6.26	0.0029	126

Comment:

Node: PR11S110

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.25 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.50	0.0003	13
6.25	0.0003	13
6.26	0.0029	126

Comment:

Node: PR11S111

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.25 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.50	0.0003	13
6.25	0.0003	13
6.26	0.0029	126

Comment:

Node: PR11S112

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.25 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.50	0.0003	13
6.25	0.0003	13
6.26	0.0029	126

Comment:

Node: PR11S113

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.25 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.50	0.0003	13
6.25	0.0003	13
6.26	0.0029	126

Comment:

Node: PR11S114

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.25 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.50	0.0003	13
6.25	0.0003	13
6.26	0.0029	126

Comment:

Node: PR11S115

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 7.50 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.80	0.0011	50
7.50	0.0011	50
7.51	0.0115	500

Comment:

Node: PR11S116

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 7.30 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.10	0.0011	50
7.30	0.0011	50
7.31	0.0115	500

Comment:

Node: PR11S44

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.50 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0011	50
6.50	0.0011	50
6.51	0.0115	500

Comment:

Node: PR11S49A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.30 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.20	0.0003	13
5.30	0.0003	13
5.31	0.0029	126

Comment:

Node: PR11S52A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.10 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.40	0.0003	13
5.10	0.0003	13
5.11	0.0029	126

Comment:

Node: PR11S54A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.10 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.40	0.0003	13
5.10	0.0003	13
5.11	0.0029	126

Comment:

Node: PR11S80A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.20 ft
Warning Stage: 6.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.61	0.0003	14
6.00	0.0003	14
6.01	0.0032	140

Comment:

Node: PR11S95

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 9.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.50	0.0018	78
2.53	0.0018	78
2.54	0.0179	780

Comment: WARNING STAGE SAME AS WARNING STAGE FOR POND 11W1. GRATE ELEVATION AT 2.53.

Node: PR12S101

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 7.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.53	0.0003	13
7.00	0.0003	13
7.01	0.0030	131

Comment:

Node: PR12S69

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.53 ft
Warning Stage: 7.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.48	0.0003	13
7.00	0.0003	13
7.01	0.0032	139

Comment:

Node: PR12S69A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.48 ft
Warning Stage: 6.34 ft

Stage [ft]	Area [ac]	Area [ft2]
0.48	0.0003	12
6.34	0.0003	12
6.35	0.0027	117

Comment:

Node: PR12S70

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.34 ft

Stage [ft]	Area [ac]	Area [ft2]
0.14	0.0003	13
6.34	0.0003	13
6.35	0.0027	118

Comment:

Node: PR12S71

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.83	0.0006	26
5.43	0.0006	26
5.44	0.0056	244

Comment:

Node: PR12S73

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.43 ft
Warning Stage: 7.23 ft

Stage [ft]	Area [ac]	Area [ft2]
1.43	0.0003	12
7.23	0.0003	12
7.24	0.0027	117

Comment:

Node: PR12S75

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.33 ft
Warning Stage: 15.96 ft

Stage [ft]	Area [ac]	Area [ft2]
7.33	0.0003	12
15.96	0.0003	12
15.97	0.0027	117

Comment:

Node: PR12S83

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.52 ft
Warning Stage: 7.55 ft

Stage [ft]	Area [ac]	Area [ft2]
0.48	0.0003	14
7.55	0.0003	14
7.56	0.0032	140

Comment:

Node: PR13S07

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.50 ft
Warning Stage: 7.98 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0003	12
7.98	0.0003	12
7.99	0.0028	122

Comment:

Node: PR13S08

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.20 ft
Warning Stage: 6.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.20	0.0008	37
6.00	0.0008	37
6.01	0.0084	367

Comment:

Node: PR13S100

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 7.81 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.33	0.0044	192
4.67	0.0044	192
4.68	0.0006	26
7.81	0.0006	26
7.82	0.0060	261

Comment:

Node: PR13S101

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 7.81 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.33	0.0044	192
4.67	0.0044	192
4.68	0.0006	26
7.81	0.0006	26
7.82	0.0060	261

Comment:

Node: PR13S102

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 3.40 ft
Warning Stage: 7.98 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.50	0.0003	13
7.98	0.0003	13
7.99	0.0030	131

Comment:

Node: PR13S103

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.20 ft
Warning Stage: 6.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.20	0.0003	13
6.00	0.0003	13
6.01	0.0030	131

Comment:

Node: PR13S105

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.50 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.50	0.0003	13
6.50	0.0003	13
6.51	0.0030	131

Comment:

Node: PR13S106

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 7.50 ft

Stage [ft]	Area [ac]	Area [ft2]
0.43	0.0003	13
7.50	0.0003	13
7.51	0.0030	131

Comment:

Node: PR13S11

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.15 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.50	0.0009	40
5.15	0.0009	40
5.16	0.0093	404

Comment:

Node: PR13S12

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.90 ft
Warning Stage: 8.65 ft

Stage [ft]	Area [ac]	Area [ft2]
1.90	0.0006	24
8.65	0.0006	24
8.66	0.0055	240

Comment:

Node: PR13S17

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 9.34 ft

Stage [ft]	Area [ac]	Area [ft2]
0.43	0.0005	20
9.34	0.0005	20
9.35	0.0046	200

Comment:

Node: PR13S19

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.43 ft
Warning Stage: 12.29 ft

Stage [ft]	Area [ac]	Area [ft2]
5.43	0.0007	29
12.29	0.0007	29
12.30	0.0067	294

Comment:

Node: PR13S21

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.33 ft
Warning Stage: 11.53 ft

Stage [ft]	Area [ac]	Area [ft2]
5.33	0.0003	12
11.53	0.0003	12
11.54	0.0027	117

Comment:

Node: PR13S22

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 16.68 ft
Warning Stage: 20.39 ft

Stage [ft]	Area [ac]	Area [ft2]
14.68	0.0002	8
20.39	0.0002	8
20.40	0.0018	80

Comment:

Node: PR13S24

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.73 ft
Warning Stage: 19.77 ft

Stage [ft]	Area [ac]	Area [ft2]
11.73	0.0003	12
19.77	0.0003	12
19.78	0.0027	117

Comment:

Node: PR13S27

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 20.43 ft
Warning Stage: 26.06 ft

Stage [ft]	Area [ac]	Area [ft2]
18.43	0.0003	12
26.06	0.0003	12
26.07	0.0027	117

Comment:

Node: PR13S48

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.92 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.58	0.0003	13
5.92	0.0003	13
5.93	0.0030	131

Comment:

Node: PR13S50

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.74 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.76	0.0003	13
5.74	0.0003	13
5.75	0.0030	131

Comment:

Node: PR13S63

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.96 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.54	0.0003	13
5.96	0.0003	13
5.97	0.0030	131

Comment:

Node: PR13S63A

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.03 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.47	0.0003	13
6.03	0.0003	13
6.04	0.0030	131

Comment:

Node: PR13S63B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.74 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.70	0.0003	13
5.80	0.0003	13
5.81	0.0030	131

Comment:

Node: PRCS10S116

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.57	0.0005	20
4.50	0.0005	20
4.51	0.0045	197

Comment: WARNING STAGE SAME AS WARNING STAGE FOR POND 10E4. GRATE ELEVATION AT 4.50.

Node: PRCS10S72

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.00	0.0005	23
3.68	0.0005	23
3.69	0.0053	230

Comment: WARNING STAGE SAME AS WARNING STAGE FOR POND 10E3. GRATE ELEVATION AT 3.68

Node: PRCS11S100

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 7.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.50	0.0018	78
3.50	0.0018	78
3.51	0.0179	780

Comment: WARNING STAGE SAME AS WARNING STAGE FOR POND 11W2. GRATE ELEVATION AT 3.50.

Node: PRCS12S100+A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.50 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.47	0.0003	13
3.50	0.0003	13
3.51	0.0030	131

Comment:

Node: PRCS12S100+B

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.50 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.47	0.0003	13
3.50	0.0003	13
3.51	0.0030	131

Comment:

Node: PRCS13S104

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.53 ft
Warning Stage: 6.50 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.92	0.0014	61
3.43	0.0014	61
3.44	0.0141	612

Comment:

Node: SWALE 10E1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.53 ft
Warning Stage: 5.93 ft

Stage [ft]	Area [ac]	Area [ft2]
2.53	0.1100	4792
3.68	0.1400	6098
5.93	0.2000	8712

Comment:

Node: SWALE 10W5

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 2.53 ft
Warning Stage: 5.50 ft

Stage [ft]	Area [ac]	Area [ft2]
2.53	0.0100	436
3.50	0.0100	436
5.50	0.0200	871

Comment:

Node: SWALE 10W6

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.53 ft
Warning Stage: 5.50 ft

Stage [ft]	Area [ac]	Area [ft2]
2.53	0.0700	3049
3.50	0.1100	4792
5.50	0.2000	8712

Comment:

Node: SWALE 11W2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.53 ft
Warning Stage: 6.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.53	0.0020	87
2.93	0.0040	174
3.43	0.0110	479
3.50	0.0140	610
4.43	0.0310	1350
5.43	0.0580	2526
6.43	0.0920	4008

Comment:

Node: SWALE 12W1A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.53 ft
Warning Stage: 5.50 ft

Stage [ft]	Area [ac]	Area [ft2]
2.53	0.0700	3049
5.50	0.1500	6534

Comment:

Node: SWALE 12W1B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.53 ft
Warning Stage: 5.50 ft

Stage [ft]	Area [ac]	Area [ft2]
2.53	0.0200	871
5.50	0.0700	3049

Comment:

Node: SWALE 12W2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.53 ft
Warning Stage: 5.50 ft

Stage [ft]	Area [ac]	Area [ft2]
2.53	0.0100	436
5.50	0.0400	1742

Comment:

Pipe Link: EX10S09_S18

Scenario: Scenario1
From Node: EX10S09

Upstream
Invert: 1.64 ft
Manning's N: 0.0120

Downstream
Invert: 0.62 ft
Manning's N: 0.0120

To Node:	EX10S18	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	339.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S09_SWA10W5		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.50 ft	Invert:	2.53 ft
From Node:	EX10S09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 10W5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	95.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S112_PND10E4		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.93 ft	Invert:	2.53 ft
From Node:	EX10S112	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 10E4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	95.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S114_POND10E4		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.63 ft	Invert:	2.53 ft
From Node:	EX10S114	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 10E4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX10S117_10GW8	
Scenario:	Scenario1
From Node:	EX10S117
To Node:	10GW8
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX10S117_10GW8	1.53	EX10S117	1.53	EX10S117

Comment:

Pipe Link: EX10S117_CGCANALE1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.63 ft	Invert:	0.43 ft
From Node:	EX10S117	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CGCANALEAST1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	8.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S16_S105		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.57 ft	Invert:	-2.57 ft
From Node:	EX10S16	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR10S105	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	100.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S18_SWA10W6		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.50 ft	Invert:	2.53 ft
From Node:	EX10S18	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 10W6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	90.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S21_S19		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.39 ft	Invert:	1.07 ft

From Node:	EX10S21	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S19	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	195.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S21_S21A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.30 ft	Invert:	1.10 ft
From Node:	EX10S21	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR10S21A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	80.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S22_S24		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.49 ft	Invert:	1.33 ft
From Node:	EX10S22	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S24	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	395.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S24_S25		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.33 ft	Invert:	1.25 ft
From Node:	EX10S24	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S25	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	231.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S25_POND10E3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.25 ft	Invert:	1.13 ft
From Node:	EX10S25	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 10E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	200.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S27_POND10E3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	17.93 ft	Invert:	2.53 ft
From Node:	EX10S27	Manning's N:	0.0200	Manning's N:	0.0200
To Node:	POND 10E3	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	8.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S65_S68		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.57 ft	Invert:	-2.57 ft
From Node:	EX10S65	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S68	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	3.58 ft	Max Depth:	3.58 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	204.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX10S65_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	POND 10E1	Default:	0.00 ft
To Node:	EX10S65	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.76 ft	Discharge Coefficients	
Control Elevation:	2.76 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	8.75 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Weir Link: EX10S68_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	EX10S68	Default:	0.00 ft
To Node:	POND 10E2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.76 ft	Discharge Coefficients	
Control Elevation:	2.76 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	8.75 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Pipe Link: EX10S76_68		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.57 ft	Invert:	-2.57 ft
From Node:	EX10S76	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S68	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	24.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX10S77_S76		Upstream		Downstream	
Scenario:	Scenario1	Invert:	8.40 ft	Invert:	7.43 ft
From Node:	EX10S77	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S76	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	88.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10S78_PND10E3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	15.87 ft	Invert:	2.53 ft
From Node:	EX10S78	Manning's N:	0.0200	Manning's N:	0.0200
To Node:	POND 10E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	31.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10SA10_S114		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.23 ft	Invert:	0.54 ft
From Node:	EX10SA10	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S114	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	264.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10SA10_SA5		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.23 ft	Invert:	-0.39 ft
From Node:	EX10SA10	Manning's N:	0.0120	Manning's N:	0.0120

To Node:	EX10SA5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10SA2_S112		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.82 ft	Invert:	0.31 ft
From Node:	EX10SA2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S112	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	196.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX10SA5_SA2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.11 ft	Invert:	0.82 ft
From Node:	EX10SA5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10SA2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	401.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX11S104_SWL11W2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.43 ft	Invert:	2.43 ft
From Node:	EX11S104	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 11W2	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	62.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX11S36_PND11W1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	14.93 ft	Invert:	2.93 ft
From Node:	EX11S36	Manning's N:	0.0200	Manning's N:	0.0200
To Node:	POND 11W1	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX11S40_PND11W1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	5.43 ft	Invert:	2.93 ft
From Node:	EX11S40	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 11W1	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft

Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	194.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX11S50_S52		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.13 ft	Invert:	0.53 ft
From Node:	EX11S50	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX11S52	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	170.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX11S52_S49A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.90 ft	Invert:	0.80 ft
From Node:	EX11S52	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR11S49A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX11S53_S54		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.10 ft	Invert:	0.93 ft
From Node:	EX11S53	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX11S54	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	88.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX11S54_52A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.70 ft	Invert:	0.60 ft
From Node:	EX11S54	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR11S52A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX11S54_S52		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.30 ft	Invert:	-0.30 ft
From Node:	EX11S54	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX11S52	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	344.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX11S56_S57		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.73 ft	Invert:	0.53 ft
From Node:	EX11S56	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX11S57	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	88.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX11S57_S54		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.30 ft	Invert:	-0.30 ft
From Node:	EX11S57	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX11S54	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	344.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX11S57_S54A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.70 ft	Invert:	0.60 ft

From Node:	EX11S57	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR11S54A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX11S80_S103		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.70 ft	Invert:	1.50 ft
From Node:	EX11S80	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR11S103	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	105.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX11S86_S98		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.30 ft	Invert:	1.20 ft
From Node:	EX11S86	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX11S98	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	81.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX11S97_PND11W1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	18.03 ft	Invert:	2.93 ft
From Node:	EX11S97	Manning's N:	0.0200	Manning's N:	0.0200
To Node:	POND 11W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	80.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX11S98_PND11W2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.70 ft	Invert:	0.60 ft
From Node:	EX11S98	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 11W2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	62.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX12S02_S09		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.07 ft	Invert:	-0.82 ft
From Node:	EX12S02	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX12S09	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	414.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX12S09_S14		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.43 ft	Invert:	2.33 ft
From Node:	EX12S09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX12S14	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	296.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX12S14_SWA12W1A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.53 ft	Invert:	2.43 ft
From Node:	EX12S14	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 12W1A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	3.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX12S57_SWA12W1B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.03 ft	Invert:	2.43 ft
From Node:	EX12S57	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 12W1B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	7.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Diff Wave	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX12S58_S59		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-3.82 ft	Invert:	-3.92 ft
From Node:	EX12S58	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX12S59	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX12S59_PND12W1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-3.92 ft	Invert:	-4.02 ft
From Node:	EX12S59	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 12W1	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	72.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX12S61_PND12W4		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-1.52 ft	Invert:	-1.75 ft
From Node:	EX12S61	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 12W4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	152.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX12S77_SWA12W2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.53 ft	Invert:	2.43 ft
From Node:	EX12S77	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SWALE 12W2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	13.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX12S78_S61		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-1.27 ft	Invert:	-1.52 ft
From Node:	EX12S78	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX12S61	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX12S80_S70		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.43 ft	Invert:	2.14 ft
From Node:	EX12S80	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR12S70	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	182.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX13S51_S53		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.48 ft	Invert:	1.73 ft
From Node:	EX13S51	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX13S53	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	296.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S53_PND13E3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.73 ft	Invert:	1.53 ft
From Node:	EX13S53	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 13E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	92.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S88_S91		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.93 ft	Invert:	2.63 ft
From Node:	EX13S88	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX13S91	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	207.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S89_S90		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.23 ft	Invert:	2.83 ft

From Node:	EX13S89	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX13S90	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	199.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S90_S91		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.83 ft	Invert:	2.68 ft
From Node:	EX13S90	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX13S91	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	91.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX13S91_S106		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.63 ft	Invert:	2.43 ft
From Node:	EX13S91	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR13S106	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	48.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EXCS10S69_CGCANALE1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-1.57 ft	Invert:	0.43 ft
From Node:	EXCS10S69	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CGCANALEAST1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	23.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EXCS10S69_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	POND 10E2	Default:	0.00 ft
To Node:	EXCS10S69	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.68 ft	Discharge Coefficients	
Control Elevation:	3.68 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	8.75 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EXCS11S102_PND11W2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.73 ft	Invert:	1.43 ft
From Node:	EXCS11S102	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 11W2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	32.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EXCS11S102_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	SWALE 11W2	Default:	0.00 ft
To Node:	EXCS11S102	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.93 ft	Discharge Coefficients	
Control Elevation:	3.93 ft	Weir Default:	2.800
Max Depth:	2.17 ft	Weir Table:	
Max Width:	6.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: PND12W1_PND13E3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.50 ft	Invert:	-2.50 ft
From Node:	POND 12W1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 13E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	352.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PND12W4_PND12W1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-1.50 ft	Invert:	-1.50 ft
From Node:	POND 12W4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 12W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	142.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PND13E3_PND13E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.50 ft	Invert:	-2.50 ft
From Node:	POND 13E3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 13E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	139.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR10S100_10GW1

Scenario:	Scenario1
From Node:	PR10S100
To Node:	10GW1
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR10S100_10GW1	1.53	PR10S100	1.53	PR10S100

Comment:

Rating Curve Link: PR10S100_10GW2

Scenario: Scenario1
From Node: PR10S100
To Node: 10GW2
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR10S100_10GW2	1.53	PR10S100	1.53	PR10S100

Comment:

Weir Link: PR10S100_WEIR

Scenario: Scenario1
From Node: SWALE 10W5
To Node: PR10S100
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 2.53 ft
Control Elevation: 2.53 ft
Max Depth: 3.08 ft
Max Width: 4.08 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Rating Curve Link: PR10S101_10GW2

Scenario: Scenario1
From Node: PR10S101
To Node: 10GW2
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR10S101_10GW2	1.53	PR10S101	1.53	PR10S101

Comment:

Rating Curve Link: PR10S101_10GW3

Scenario: Scenario1
From Node: PR10S101
To Node: 10GW3

Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR10S101_10GW3	1.53	PR10S101	1.53	PR10S101

Comment:

Weir Link: PR10S101_WEIR

Scenario: Scenario1
From Node: SWALE 10W6
To Node: PR10S101
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 2.53 ft
Control Elevation: 2.53 ft
Max Depth: 3.08 ft
Max Width: 4.08 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Rating Curve Link: PR10S102_10GW4

Scenario: Scenario1
From Node: PR10S102
To Node: 10GW4
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR10S102_10GW4	1.53	PR10S102	1.53	PR10S102

Comment:

Rating Curve Link: PR10S102_10GW5

Scenario: Scenario1
From Node: PR10S102
To Node: 10GW5
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR10S102_10GW5	1.53	PR10S102	1.53	PR10S102

Comment:

Weir Link: PR10S102_WEIR

Scenario:	Scenario1
From Node:	POND 10W7
To Node:	PR10S102
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.53 ft
Control Elevation:	2.53 ft
Max Depth:	5.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Rating Curve Link: PR10S103_10GW5

Scenario:	Scenario1
From Node:	PR10S103
To Node:	10GW5
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR10S103_10GW5	1.53	PR10S103	1.53	PR10S103

Comment:

Rating Curve Link: PR10S103_10GW6

Scenario:	Scenario1
From Node:	PR10S103
To Node:	10GW6
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR10S103_10GW6	1.53	PR10S103	1.53	PR10S103

Comment:

Weir Link: PR10S103_WEIR

Scenario:	Scenario1	**Bottom Clip**	
From Node:	POND 10W7	Default:	0.00 ft
To Node:	PR10S103	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.53 ft	**Discharge Coefficients**	
Control Elevation:	2.53 ft	Weir Default:	2.800
Max Depth:	5.33 ft	Weir Table:	
Max Width:	4.83 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Rating Curve Link: PR10S104_10GW6

Scenario: Scenario1
From Node: PR10S104
To Node: 10GW6
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR10S104_10GW6	1.53	PR10S104	1.53	PR10S104

Comment:

Rating Curve Link: PR10S104_10GW7

Scenario: Scenario1
From Node: PR10S104
To Node: 10GW7
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR10S104_10GW7	1.53	PR10S104	1.53	PR10S104

Comment:

Weir Link: PR10S104_WEIR

Scenario:	Scenario1	**Bottom Clip**	
From Node:	POND 10W7	Default:	0.00 ft
To Node:	PR10S104	Op Table:	

Link Count:	1		
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.53 ft	Ref Node:	
Control Elevation:	2.53 ft	Discharge Coefficients	
Max Depth:	5.33 ft	Weir Default:	2.800
Max Width:	4.83 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Pipe Link: PR10S105_EX10S18		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.53 ft	Invert:	2.63 ft
From Node:	PR10S105	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S18	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	200.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR10S106_S107		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	PR10S106	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR10S107	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	255.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: PR10S106_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	POND 10W7	Default:	0.00 ft
To Node:	PR10S106	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.53 ft	Discharge Coefficients	
Control Elevation:	2.53 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	8.75 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Weir Link: PR10S107_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	PR10S107	Default:	0.00 ft
To Node:	POND 10E3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.53 ft	Discharge Coefficients	
Control Elevation:	2.53 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	8.75 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: PR10S108_PR11S101		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.00 ft	Invert:	-2.10 ft
From Node:	PR10S108	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR11S101	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	210.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: PR10S108_WEIR

Scenario:	Scenario1	Bottom Clip	
From Node:	POND 10W7	Default:	0.00 ft
To Node:	PR10S108	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.53 ft	Discharge Coefficients	
Control Elevation:	2.53 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	4.08 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: PR10S14_S17

		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.30 ft	Invert:	2.20 ft
From Node:	PR10S14	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR10S17	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	161.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: PR10S17A_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	PR10S17A	Default:	0.00 ft
To Node:	SWALE 10E1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.93 ft	Discharge Coefficients	
Control Elevation:	4.93 ft	Weir Default:	2.800
Max Depth:	2.00 ft	Weir Table:	
Max Width:	3.08 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Pipe Link: PR10S17_S17A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.20 ft	Invert:	1.70 ft
From Node:	PR10S17	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR10S17A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	300.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: PR10S19A_POND10W7		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.00 ft	Invert:	0.90 ft
From Node:	PR10S19A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 10W7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	5.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR10S21A_S19A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.10 ft	Invert:	1.00 ft
From Node:	PR10S21A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR10S19A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	82.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR10S23_POND10W7		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.50 ft	Invert:	2.53 ft
From Node:	PR10S23	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 10W7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	4.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR10S80_POND10E2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.00 ft	Invert:	2.53 ft
From Node:	PR10S80	Manning's N:	0.0120	Manning's N:	0.0120

To Node:	POND 10E2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	5.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR11S101_PND11W2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.10 ft	Invert:	-2.30 ft
From Node:	PR11S101	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 11W2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	24.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR11S103_S105		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.50 ft	Invert:	1.40 ft
From Node:	PR11S103	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR11S105	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	36.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR11S105_S86		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.40 ft	Invert:	1.30 ft
From Node:	PR11S105	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX11S86	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	81.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR11S106_POND11W2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-14.50 ft	Invert:	-14.70 ft
From Node:	PR11S106	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 11W2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	212.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR11S107_CGCANALE2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.50 ft	Invert:	0.40 ft
From Node:	PR11S107+B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CGCANALEAST2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	20.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR11S107_S106		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.20 ft	Invert:	-0.50 ft
From Node:	PR11S107+A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR11S106	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	336.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: PR11S107_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	PR11S107+A	Default:	0.00 ft
To Node:	PR11S107+B	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.50 ft	Discharge Coefficients	
Control Elevation:	3.50 ft	Weir Default:	2.800
Max Depth:	2.00 ft	Weir Table:	
Max Width:	3.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Rating Curve Link: PR11S109_11GW4

Scenario: Scenario1
From Node: PR11S109
To Node: 11GW4
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR11S109_11GW4	1.53	PR11S109	1.53	PR11S109

Comment:

Pipe Link: PR11S109_S107

Scenario: Scenario1
From Node: PR11S109
To Node: PR11S107+A
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 158.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	0.00 ft	Invert:	-0.20 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	3.50 ft	Max Depth:	3.50 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR11S110_11GW4

Scenario: Scenario1
From Node: PR11S110
To Node: 11GW4
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR11S110_11GW4	1.53	PR11S110	1.53	PR11S110

Comment:

Rating Curve Link: PR11S110_11GW5

Scenario: Scenario1
From Node: PR11S110

To Node: 11GW5
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR11S110_11GW5	1.53	PR11S110	1.53	PR11S110

Comment:

Pipe Link: PR11S110_S109		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.50 ft	Invert:	0.50 ft
From Node:	PR11S110	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR11S109	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	360.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR11S111_11GW5

Scenario: Scenario1
From Node: PR11S111
To Node: 11GW5
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR11S111_11GW5	1.53	PR11S111	1.53	PR11S111

Comment:

Rating Curve Link: PR11S111_11GW6

Scenario: Scenario1
From Node: PR11S111
To Node: 11GW6
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR11S111_11GW6	1.53	PR11S111	1.53	PR11S111

Comment:

Pipe Link: PR11S111_S110		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.50 ft	Invert:	0.50 ft
From Node:	PR11S111	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR11S110	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	400.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR11S112_11GW6

Scenario: Scenario1
From Node: PR11S112
To Node: 11GW6
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR11S112_11GW6	1.53	PR11S112	1.53	PR11S112

Comment:

Rating Curve Link: PR11S112_11GW7

Scenario: Scenario1
From Node: PR11S112
To Node: 11GW7
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR11S112_11GW7	1.53	PR11S112	1.53	PR11S112

Comment:

Pipe Link: PR11S112_S111		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.50 ft	Invert:	0.50 ft
From Node:	PR11S112	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR11S111	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	336.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR11S113_11GW7

Scenario:	Scenario1
From Node:	PR11S113
To Node:	11GW7
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR11S113_11GW7	1.53	PR11S113	1.53	PR11S113

Comment:

Pipe Link: PR11S113_S112		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.50 ft	Invert:	0.50 ft
From Node:	PR11S113	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR11S112	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	336.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR11S113_S114		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-5.90 ft	Invert:	-6.00 ft
From Node:	PR11S113	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR11S114	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	106.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR11S114_PR13S100		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.60 ft	Invert:	0.50 ft
From Node:	PR11S114	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR13S100	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	151.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR11S115_S53		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.20 ft	Invert:	1.10 ft
From Node:	PR11S115	Manning's N:	0.0120	Manning's N:	0.0120

To Node:	EX11S53	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR11S116_S56		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.90 ft	Invert:	0.73 ft
From Node:	PR11S116	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX11S56	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	22.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR11S44_S110		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.00 ft	Invert:	1.90 ft
From Node:	PR11S44	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR11S110	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	5.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR11S49A_S111		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.80 ft	Invert:	0.70 ft
From Node:	PR11S49A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR11S111	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR11S52A_S112		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.60 ft	Invert:	0.50 ft
From Node:	PR11S52A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR11S112	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR11S54A_S113		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.60 ft	Invert:	0.50 ft
From Node:	PR11S54A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR11S113	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft

Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR11S80A_S80		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.80 ft	Invert:	1.70 ft
From Node:	PR11S80A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX11S80	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	70.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR11S95_PND11W2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-1.50 ft	Invert:	-1.60 ft
From Node:	PR11S95	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 11W2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	140.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: PR11S95_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	POND 11W1	Default:	0.00 ft
To Node:	PR11S95	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.53 ft	Discharge Coefficients	
Control Elevation:	2.53 ft	Weir Default:	2.800
Max Depth:	3.08 ft	Weir Table:	
Max Width:	4.08 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Pipe Link: PR12S101_C4CANALW		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.43 ft	Invert:	2.03 ft
From Node:	PR12S101	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	C4CANALW	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	190.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: PR12S69A_POND12W4		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.48 ft	Invert:	1.53 ft
From Node:	PR12S69A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 12W4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	55.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR12S69_PND12W4		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.53 ft	Invert:	1.53 ft
From Node:	PR12S69	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 12W4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	72.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR12S70_PND12W4		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.14 ft	Invert:	1.53 ft
From Node:	PR12S70	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 12W4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	75.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR12S71_S70		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.83 ft	Invert:	2.14 ft
From Node:	PR12S71	Manning's N:	0.0120	Manning's N:	0.0120

To Node:	PR12S70	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	125.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR12S73_PND12W4		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.43 ft	Invert:	1.53 ft
From Node:	PR12S73	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 12W4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	62.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR12S75_PND12W4		Upstream		Downstream	
Scenario:	Scenario1	Invert:	9.33 ft	Invert:	1.53 ft
From Node:	PR12S75	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 12W4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	62.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR12S83_PND12W4		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.52 ft	Invert:	1.53 ft
From Node:	PR12S83	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 12W4	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	60.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR13S07_S102		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.50 ft	Invert:	3.40 ft
From Node:	PR13S07	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR13S102	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	6.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR13S08_S105		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.20 ft	Invert:	2.10 ft
From Node:	PR13S08	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR13S105	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR13S100_13GW1

Scenario: Scenario1
From Node: PR13S100
To Node: 13GW1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR13S100_13GW1	1.53	PR13S100	1.53	PR13S100

Comment:

Pipe Link: PR13S100_S101

Scenario:	Scenario1	Upstream		Downstream	
From Node:	PR13S100	Invert:	0.50 ft	Invert:	0.50 ft
To Node:	PR13S101	Manning's N:	0.0120	Manning's N:	0.0120
Link Count:	1	Geometry: Circular		Geometry: Circular	
Flow Direction:	Both	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Damping:	0.0000 ft	Bottom Clip			
Length:	270.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	0.10	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00	Top Clip			
Bend Location:	0.00 ft	Default:	0.00 ft	Default:	0.00 ft
Energy Switch:	Energy	Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR13S101_13GW1

Scenario: Scenario1

From Node: PR13S101
To Node: 13GW1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR13S101_13GW1	1.53	PR13S101	1.53	PR13S101

Comment:

Pipe Link: PR13S101_S102		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.50 ft	Invert:	0.40 ft
From Node:	PR13S101	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR13S102	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	273.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR13S102_S105		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.10 ft	Invert:	-0.20 ft
From Node:	PR13S102	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR13S105	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	104.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR13S103_S11		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.20 ft	Invert:	2.10 ft
From Node:	PR13S103	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR13S11	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	58.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR13S105_S11		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.70 ft	Invert:	-0.80 ft
From Node:	PR13S105	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR13S11	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	376.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR13S106_POND13E3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.43 ft	Invert:	1.53 ft
From Node:	PR13S106	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 13E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	95.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR13S11_PND13E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-1.30 ft	Invert:	-1.40 ft
From Node:	PR13S11	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 13E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	300.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR13S12_S07		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.90 ft	Invert:	3.50 ft
From Node:	PR13S12	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR13S07	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	291.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR13S17_PND13E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.58 ft	Invert:	1.53 ft

From Node:	PR13S17	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 13E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	162.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR13S19_S17		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.43 ft	Invert:	4.68 ft
From Node:	PR13S19	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR13S17	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	392.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR13S21_PND13E3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.33 ft	Invert:	1.53 ft
From Node:	PR13S21	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 13E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	57.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR13S22_S19		Upstream		Downstream	
Scenario:	Scenario1	Invert:	16.68 ft	Invert:	7.93 ft
From Node:	PR13S22	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR13S19	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	314.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR13S24_PND13E3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	13.73 ft	Invert:	1.53 ft
From Node:	PR13S24	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 13E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	57.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR13S27_PND13E3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	20.43 ft	Invert:	1.53 ft
From Node:	PR13S27	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 13E3	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	57.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR13S48_PND13E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.40 ft	Invert:	1.30 ft
From Node:	PR13S48	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 13E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	91.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR13S50_PND13E3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.24 ft	Invert:	1.15 ft
From Node:	PR13S50	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 13E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	57.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR13S63A_PND13E3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.53 ft	Invert:	1.43 ft
From Node:	PR13S63A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 13E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	57.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR13S63B_PND13E3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.30 ft	Invert:	1.20 ft
From Node:	PR13S63B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 13E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	57.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR13S63_PND13E3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	1.46 ft	Invert:	1.36 ft
From Node:	PR13S63	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 13E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	57.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PRCS10S116_10GW8

Scenario: Scenario1
From Node: PRCS10S116
To Node: 10GW8
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PRCS10S116_10GW8	1.53	PRCS10S116	1.53	PRCS10S116

Comment:

Pipe Link: PRCS10S116_S117

		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	PRCS10S116	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX10S117	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	250.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: PRCS10S116_WEIR

Scenario: Scenario1
From Node: POND 10E4

Bottom Clip
Default: 0.00 ft

To Node:	PRCS10S116		
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.50 ft	Ref Node:	
Control Elevation:	4.50 ft	Discharge Coefficients	
Max Depth:	3.00 ft	Weir Default:	2.800
Max Width:	6.58 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Pipe Link: PRCS10S72_CGCANALE1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.55 ft	Invert:	0.43 ft
From Node:	PRCS10S72	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CGCANALEAST1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	147.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: PRCS10S72_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	POND 10E3	Default:	0.00 ft
To Node:	PRCS10S72	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.50 ft	Discharge Coefficients	
Control Elevation:	3.50 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	8.75 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: PRCS11S100_CGCANALE2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.50 ft	Invert:	-2.60 ft
From Node:	PRCS11S100	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CGCANALEAST2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: PRCS11S100_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	POND 11W2	Default:	0.00 ft
To Node:	PRCS11S100	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.50 ft	Discharge Coefficients	
Control Elevation:	3.50 ft	Weir Default:	2.800
Max Depth:	3.08 ft	Weir Table:	
Max Width:	4.08 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Weir Link: PRCS12S100+A_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	POND 12W4	Default:	0.00 ft
To Node:	PRCS12S100+A	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Sharp Crested Vertical		
Geometry Type:	Rectangular	Op Table:	
Invert:	4.50 ft	Ref Node:	
Control Elevation:	4.50 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	0.50 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: PRCS12S100+B_WEIR

Scenario:	Scenario1	Bottom Clip	
From Node:	PRCS12S100+A	Default:	0.00 ft
To Node:	PRCS12S100+B	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	None	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.00 ft	Discharge Coefficients	
Control Elevation:	5.00 ft	Weir Default:	2.800
Max Depth:	3.08 ft	Weir Table:	
Max Width:	4.08 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: PRCS12S100_S101

		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.50 ft	Invert:	2.43 ft
From Node:	PRCS12S100+B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR12S101	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	59.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PRCS13S104_CGCANALE3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-1.50 ft	Invert:	-1.60 ft
From Node:	PRCS13S104	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CGCANALEAST3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	93.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: PRCS13S104_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	POND 13E1	Default:	0.00 ft
To Node:	PRCS13S104	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.50 ft	Discharge Coefficients	
Control Elevation:	3.50 ft	Weir Default:	2.800
Max Depth:	3.08 ft	Weir Table:	
Max Width:	4.08 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Channel Link: SWA10E1_PND10E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.93 ft	Invert:	2.53 ft
From Node:	SWALE 10E1	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	POND 10E1	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	4.00 ft	Bottom Width:	10.00 ft
Length:	385.00 ft	Left Slope:	0.000 (h:v)	Left Slope:	0.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	0.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	

Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: MANNING'S N DERIVED FROM CHOW, 2010

Channel Link: SWA10W5_SWA10W6		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.53 ft	Invert:	2.53 ft
From Node:	SWALE 10W5	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	SWALE 10W6	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	55.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	0.000 (h:v)	Right Slope:	0.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: MANNING'S N DERIVED FROM CHOW, 2010

Channel Link: SWA10W6_PND10W7		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.53 ft	Invert:	2.53 ft
From Node:	SWALE 10W6	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	POND 10W7	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	705.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	0.000 (h:v)	Right Slope:	0.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			

	Default: 0.00 ft		Default: 0.00 ft
	Op Table:		Op Table:
	Ref Node:		Ref Node:
	Manning's N: 0.0000		Manning's N: 0.0000

Comment: MANNING'S N DERIVED FROM CHOW, 2010

Channel Link: SWA12W1A_SWA12W1B		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.53 ft	Invert:	2.53 ft
From Node:	SWALE 12W1A	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	SWALE 12W1B	Geometry:	Trapezoidal	Geometry:	Trapezoidal
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	605.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	0.000 (h:v)	Right Slope:	0.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: MANNING'S N DERIVED FROM CHOW, 2010

Channel Link: SWA12W1B_EX12S58		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.53 ft	Invert:	2.53 ft
From Node:	SWALE 12W1B	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	EX12S58	Geometry:	Trapezoidal	Geometry:	Trapezoidal
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	275.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	0.000 (h:v)	Right Slope:	0.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	

	Manning's N: 0.0000		Manning's N: 0.0000

Comment: MANNING'S N DERIVED FROM CHOW, 2010

Channel Link: SWA12W2_EX12S78		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.53 ft	Invert:	2.53 ft
From Node:	SWALE 12W2	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	EX12S78	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	65.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	0.000 (h:v)	Right Slope:	0.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: MANNING'S N DERIVED FROM CHOW, 2010

Rating Curve: EX10S117_10GW8

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	5.93	2.30
2.98	2.98	0.00
2.98	5.93	1.54

Comment:

Rating Curve: PR10S100_10GW1

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	4.67	0.50
1.53	5.50	0.67
2.98	2.98	0.00
2.98	4.67	0.28
2.98	5.50	0.44

Comment:

Rating Curve: PR10S100_10GW2

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	4.67	1.01
1.53	5.50	1.33
2.98	2.98	0.00
2.98	4.67	0.56
2.98	5.50	0.87

Comment:

Rating Curve: PR10S101_10GW2

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	4.67	1.01
1.53	5.50	1.33
2.98	2.98	0.00
2.98	4.67	0.56
2.98	5.50	0.87

Comment:

Rating Curve: PR10S101_10GW3

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	4.67	0.50
1.53	5.50	0.67
2.98	2.98	0.00
2.98	4.67	0.28
2.98	5.50	0.44

Comment:

Rating Curve: PR10S102_10GW4

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	4.67	0.50
1.53	5.50	0.67
2.98	2.98	0.00
2.98	4.67	0.28
2.98	5.50	0.44

Comment:

Rating Curve: PR10S102_10GW5

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	4.67	1.01
1.53	5.50	1.33
2.98	2.98	0.00
2.98	4.67	0.56
2.98	5.50	0.87

Comment:

Rating Curve: PR10S103_10GW5

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	4.67	1.01
1.53	5.50	1.33
2.98	2.98	0.00
2.98	4.67	0.56
2.98	5.50	0.87

Comment:

Rating Curve: PR10S103_10GW6

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	4.67	1.01
1.53	5.50	1.33
2.98	2.98	0.00
2.98	4.67	0.56
2.98	5.50	0.87

Comment:

Rating Curve: PR10S104_10GW6

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	4.67	1.01
1.53	5.50	1.33
2.98	2.98	0.00
2.98	4.67	0.56
2.98	5.50	0.87

Comment:

Rating Curve: PR10S104_10GW7

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	4.67	0.50
1.53	5.50	0.67
2.98	2.98	0.00
2.98	4.67	0.28
2.98	5.50	0.44

Comment:

Rating Curve: PR11S109_11GW4

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	4.67	1.75
1.53	5.00	1.98
2.98	2.98	0.00
2.98	4.67	0.98
2.98	5.00	1.19

Comment:

Rating Curve: PR11S110_11GW4

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	4.67	1.75
1.53	5.00	1.98
2.98	2.98	0.00
2.98	4.67	0.98
2.98	5.00	1.19

Comment:

Rating Curve: PR11S110_11GW5

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	4.67	1.95
1.53	5.00	2.21
2.98	2.98	0.00
2.98	4.67	1.09
2.98	5.00	1.33

Comment:

Rating Curve: PR11S111_11GW5

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	4.67	1.95
1.53	5.00	2.21
2.98	2.98	0.00
2.98	4.67	1.09
2.98	5.00	1.33

Comment:

Rating Curve: PR11S111_11GW6

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	4.67	1.63
1.53	5.00	1.84
2.98	2.98	0.00
2.98	4.67	0.91
2.98	5.00	1.11

Comment:

Rating Curve: PR11S112_11GW6

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	4.67	1.63
1.53	5.00	1.84
2.98	2.98	0.00
2.98	4.67	0.91
2.98	5.00	1.11

Comment:

Rating Curve: PR11S112_11GW7

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	4.67	1.63
1.53	5.00	1.84
2.98	2.98	0.00
2.98	4.67	0.91
2.98	5.00	1.11

Comment:

Rating Curve: PR11S113_11GW7

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	4.67	1.63
1.53	5.00	1.84
2.98	2.98	0.00
2.98	4.67	0.91
2.98	5.00	1.11

Comment:

Rating Curve: PR13S100_13GW1

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	4.67	1.29
1.53	5.00	1.46
2.98	2.98	0.00
2.98	4.67	0.72
2.98	5.00	0.88

Comment:

Rating Curve: PR13S101_13GW1

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	4.67	1.29
1.53	5.00	1.46
2.98	2.98	0.00
2.98	4.67	0.72
2.98	5.00	0.88

Comment:

Rating Curve: PRCS10S116_10GW8

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.53	1.53	0.00
1.53	5.93	2.30
2.98	2.98	0.00
2.98	5.93	1.54

Comment:

Boundary Stage: VARIABLE C3 CANAL

Boundary Stage Set: 100Y-1H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE C4 CANAL

Boundary Stage Set: 100Y-1H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	60.5000	2.43
0	0	0	72.0000	2.43
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE C3 CANAL

Boundary Stage Set: 100Y-24H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE C4 CANAL

Boundary Stage Set: 100Y-24H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	60.5000	2.43
0	0	0	72.0000	2.43
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE GW

Boundary Stage Set: 100Y-24H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.53
0	0	0	1.0000	1.54
0	0	0	2.0000	1.57
0	0	0	3.0000	1.62
0	0	0	4.0000	1.66
0	0	0	5.0000	1.70
0	0	0	6.0000	1.76
0	0	0	7.0000	1.82
0	0	0	8.0000	1.88
0	0	0	9.0000	1.97
0	0	0	10.0000	2.05
0	0	0	11.0000	2.17
0	0	0	12.0000	2.31
0	0	0	13.0000	2.41
0	0	0	14.0000	2.50
0	0	0	15.0000	2.59
0	0	0	16.0000	2.66
0	0	0	17.0000	2.72
0	0	0	18.0000	2.78
0	0	0	19.0000	2.84
0	0	0	20.0000	2.88
0	0	0	21.0000	2.92
0	0	0	22.0000	2.95
0	0	0	23.0000	2.97
0	0	0	24.0000	2.98
0	0	0	36.0000	1.53

Comment:

Boundary Stage: VARIABLE C3 CANAL

Boundary Stage Set: 100Y-8H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE C4 CANAL

Boundary Stage Set: 100Y-8H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	60.5000	2.43
0	0	0	72.0000	2.43
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE GW

Boundary Stage Set: 100Y-8H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.53
0	0	0	1.0000	1.56
0	0	0	2.0000	1.72
0	0	0	3.0000	1.94
0	0	0	4.0000	2.55
0	0	0	5.0000	2.78
0	0	0	6.0000	2.86
0	0	0	7.0000	2.94
0	0	0	8.0000	2.98
0	0	0	12.0000	1.53

Comment:

Boundary Stage: VARIABLE C3 CANAL

Boundary Stage Set: 10Y-1H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE C4 CANAL

Boundary Stage Set: 10Y-1H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	60.5000	2.43
0	0	0	72.0000	2.43
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE C3 CANAL

Boundary Stage Set: 10Y-24H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE C4 CANAL

Boundary Stage Set: 10Y-24H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	60.5000	2.43
0	0	0	72.0000	2.43
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE GW

Boundary Stage Set: 10Y-24H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.53
0	0	0	1.0000	1.54
0	0	0	2.0000	1.57
0	0	0	3.0000	1.62
0	0	0	4.0000	1.66
0	0	0	5.0000	1.70
0	0	0	6.0000	1.76
0	0	0	7.0000	1.82
0	0	0	8.0000	1.88
0	0	0	9.0000	1.97
0	0	0	10.0000	2.05
0	0	0	11.0000	2.17
0	0	0	12.0000	2.31
0	0	0	13.0000	2.41

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	14.0000	2.50
0	0	0	15.0000	2.59
0	0	0	16.0000	2.66
0	0	0	17.0000	2.72
0	0	0	18.0000	2.78
0	0	0	19.0000	2.84
0	0	0	20.0000	2.88
0	0	0	21.0000	2.92
0	0	0	22.0000	2.95
0	0	0	23.0000	2.97
0	0	0	24.0000	2.98
0	0	0	36.0000	1.53

Comment:

Boundary Stage: VARIABLE C3 CANAL

Boundary Stage Set: 10Y-8H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE C4 CANAL

Boundary Stage Set: 10Y-8H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	60.5000	2.43
0	0	0	72.0000	2.43
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE GW

Boundary Stage Set: 10Y-8H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.53

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	1.0000	1.56
0	0	0	2.0000	1.72
0	0	0	3.0000	1.94
0	0	0	4.0000	2.55
0	0	0	5.0000	2.78
0	0	0	6.0000	2.86
0	0	0	7.0000	2.94
0	0	0	8.0000	2.98
0	0	0	12.0000	1.53

Comment:

Boundary Stage: VARIABLE C3 CANAL

Boundary Stage Set: 25Y-72H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	72.0000	2.93
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE C4 CANAL

Boundary Stage Set: 25Y-72H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	60.5000	2.43
0	0	0	72.0000	2.43
0	0	0	96.0000	1.43

Comment:

Boundary Stage: VARIABLE GW

Boundary Stage Set: 25Y-72H

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	1.53
0	0	0	24.0000	1.69
0	0	0	36.0000	1.80
0	0	0	48.0000	1.91

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	49.0000	1.92
0	0	0	50.0000	1.93
0	0	0	51.0000	1.95
0	0	0	52.0000	1.96
0	0	0	53.0000	1.98
0	0	0	54.0000	2.00
0	0	0	55.0000	2.03
0	0	0	56.0000	2.06
0	0	0	57.0000	2.10
0	0	0	57.5000	2.12
0	0	0	58.0000	2.14
0	0	0	58.5000	2.17
0	0	0	59.0000	2.20
0	0	0	59.5000	2.25
0	0	0	60.0000	2.61
0	0	0	60.5000	2.69
0	0	0	61.0000	2.73
0	0	0	61.5000	2.76
0	0	0	62.0000	2.79
0	0	0	62.5000	2.80
0	0	0	63.0000	2.82
0	0	0	64.0000	2.85
0	0	0	65.0000	2.87
0	0	0	66.0000	2.89
0	0	0	68.0000	2.93
0	0	0	70.0000	2.95
0	0	0	72.0000	2.98
0	0	0	108.0000	1.53

Comment:

Simulation: 100Y-1H

Scenario: Scenario1
Run Date/Time: 8/19/2019 1:36:37 AM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000

Max Calculation Time: 30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 100Y-1H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 5.10 in
Storm Duration: 1.0000 hr

Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100Y-24H

Scenario: Scenario1
Run Date/Time: 8/19/2019 1:37:28 AM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:	Icpr3	Boundary Stage Set:	100Y-24H
Reference ET Folder:		Extern Hydrograph Set:	
Unit Hydrograph Folder:	Icpr3	Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	
		Roughness Set:	
		Crop Coef Set:	
		Fillable Porosity Set:	
		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	13.44 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100Y-8H

Scenario:	Scenario1
Run Date/Time:	8/19/2019 1:40:11 AM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

Hydrology [sec]	Surface Hydraulics	Groundwater [sec]

	[sec]		
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 100Y-8H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-8

		Rainfall Amount:	9.60 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-1H

Scenario: Scenario1
Run Date/Time: 8/19/2019 1:41:06 AM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:	Icpr3
Reference ET Folder:	
Unit Hydrograph Folder:	Icpr3

Lookup Tables

Boundary Stage Set:	10Y-1H
Extern Hydrograph Set:	
Curve Number Set:	
Green-Ampt Set:	
Vertical Layers Set:	
Impervious Set:	
Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.55 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-24H

Scenario:	Scenario1
Run Date/Time:	8/19/2019 1:41:37 AM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 10Y-24H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global

Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	8.88 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-8H

Scenario: Scenario1
Run Date/Time: 8/19/2019 1:43:11 AM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 10Y-8H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	6.80 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25Y-72H

Scenario: Scenario1
Run Date/Time: 8/19/2019 1:44:44 AM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

Year	Month	Day	Hour [hr]

Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000
0	0	0	57.0000	20.0000
0	0	0	63.0000	60.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000
0	0	0	57.0000	20.0000
0	0	0	63.0000	60.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: Icpr3
Reference ET Folder:
Unit Hydrograph Folder: Icpr3

Lookup Tables

Boundary Stage Set: 25Y-72H
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	14.00 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
10GW1	100Y-1H	5.50	1.53	0.0000	0.60	0.00	0
10GW2	100Y-1H	5.50	1.53	0.0000	2.40	0.00	0
10GW3	100Y-1H	5.50	1.53	0.0000	0.60	0.00	0
10GW4	100Y-1H	5.50	1.53	0.0000	0.55	0.00	0
10GW5	100Y-1H	5.50	1.53	0.0000	2.19	0.00	0
10GW6	100Y-1H	5.50	1.53	0.0000	2.19	0.00	0
10GW7	100Y-1H	5.50	1.53	0.0000	0.55	0.00	0
10GW8	100Y-1H	5.93	1.53	0.0000	3.13	0.00	0
11GW4	100Y-1H	6.00	1.53	0.0000	3.88	0.00	0
11GW5	100Y-1H	6.00	1.53	0.0000	5.31	0.00	0
11GW6	100Y-1H	6.00	1.53	0.0000	4.82	0.00	0
11GW7	100Y-1H	6.00	1.53	0.0000	4.84	0.00	0
13GW1	100Y-1H	6.00	1.53	0.0000	3.22	0.00	0
C4CANALW	100Y-1H	3.43	1.84	0.0000	0.00	0.00	0
CGCANALEAST1	100Y-1H	3.43	1.95	0.0000	66.55	0.73	0
CGCANALEAST2	100Y-1H	5.04	1.95	0.0000	51.83	0.01	0
CGCANALEAST3	100Y-1H	3.43	1.95	0.0000	24.27	0.00	0
EX10S09	100Y-1H	5.68	5.32	0.0010	12.19	12.10	422
EX10S112	100Y-1H	7.79	6.14	0.0014	13.88	13.74	247
EX10S114	100Y-1H	7.25	6.05	0.0020	15.77	15.63	409
EX10S117	100Y-1H	6.43	3.44	0.0028	20.58	20.58	113
EX10S16	100Y-1H	6.11	6.60	0.0010	15.45	14.94	439
EX10S18	100Y-1H	6.10	5.61	0.0010	19.25	19.17	413
EX10S19	100Y-1H	6.04	7.46	0.0011	13.10	11.92	656
EX10S21	100Y-1H	6.68	7.39	0.0010	11.92	11.10	507
EX10S22	100Y-1H	6.36	5.24	0.0010	15.30	15.19	652
EX10S24	100Y-1H	12.89	5.10	0.0010	20.75	20.65	951
EX10S25	100Y-1H	19.64	4.94	0.0011	26.14	26.03	658
EX10S27	100Y-1H	25.30	21.21	0.0489	22.83	75.33	113
EX10S65	100Y-1H	4.93	3.83	0.0008	3.60	3.91	241
EX10S68	100Y-1H	4.93	3.83	0.0009	4.36	3.60	242
EX10S76	100Y-1H	18.24	3.83	0.0005	1.72	1.66	113
EX10S77	100Y-1H	14.84	8.79	0.0001	0.78	0.78	113
EX10S78	100Y-1H	19.62	16.46	0.0002	1.73	1.72	113
EX10SA10	100Y-1H	5.35	6.20	0.0011	6.27	6.14	457
EX10SA2	100Y-1H	7.02	6.29	0.0011	7.61	7.44	604
EX10SA5	100Y-1H	5.93	6.29	0.0012	3.15	2.98	408
EX11S104	100Y-1H	6.22	4.59	0.0005	1.26	1.25	113
EX11S36	100Y-1H	21.70	19.93	0.0301	30.28	55.98	113
EX11S40	100Y-1H	15.15	7.30	0.0007	17.42	17.41	229
EX11S50	100Y-1H	8.61	8.14	0.0010	20.79	20.43	248
EX11S52	100Y-1H	5.37	7.71	0.0009	20.43	19.43	764
EX11S53	100Y-1H	7.31	7.78	0.0012	7.64	7.37	502

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX11S54	100Y-1H	5.04	7.66	0.0013	16.27	14.77	1143
EX11S56	100Y-1H	7.31	7.83	0.0010	9.26	8.80	502
EX11S57	100Y-1H	5.15	7.65	0.0014	12.28	11.54	649
EX11S80	100Y-1H	6.39	4.98	0.0030	2.31	4.29	145
EX11S86	100Y-1H	6.27	4.82	0.0047	6.61	6.42	133
EX11S97	100Y-1H	20.61	18.57	0.0002	1.73	1.72	113
EX11S98	100Y-1H	6.31	4.64	0.0093	13.01	12.81	134
EX12S02	100Y-1H	4.92	8.44	0.0088	15.61	15.43	302
EX12S09	100Y-1H	8.09	6.70	0.0090	16.14	16.15	341
EX12S14	100Y-1H	10.32	5.34	0.0060	17.56	18.09	315
EX12S57	100Y-1H	10.11	4.32	0.0006	1.02	2.53	113
EX12S58	100Y-1H	4.93	4.05	0.0057	17.03	17.44	1382
EX12S59	100Y-1H	5.20	4.04	0.0045	18.64	17.69	113
EX12S61	100Y-1H	5.12	3.99	0.0002	3.59	3.49	113
EX12S77	100Y-1H	6.27	3.99	0.0003	1.10	1.33	113
EX12S78	100Y-1H	4.43	3.99	0.0002	2.88	2.73	330
EX12S80	100Y-1H	8.53	6.51	0.0019	7.45	8.24	150
EX13S51	100Y-1H	6.99	4.87	0.0005	4.24	4.25	255
EX13S53	100Y-1H	8.33	4.41	0.0005	9.53	9.57	325
EX13S88	100Y-1H	6.65	4.59	0.0002	2.59	2.56	167
EX13S89	100Y-1H	7.23	4.57	0.0002	1.57	1.57	160
EX13S90	100Y-1H	7.93	4.53	0.0002	2.47	2.54	228
EX13S91	100Y-1H	7.67	4.47	0.0003	8.27	8.32	273
EXCS10S69	100Y-1H	4.93	1.95	0.0036	3.57	4.07	113
EXCS11S102	100Y-1H	7.43	4.57	0.0010	4.91	5.22	113
POND 10E1	100Y-1H	4.93	3.84	0.0001	5.22	2.85	8732
POND 10E2	100Y-1H	4.93	3.82	0.0001	3.80	3.57	5916
POND 10E3	100Y-1H	5.43	4.75	0.0017	114.31	47.19	22796
POND 10E4	100Y-1H	6.43	5.68	0.0004	33.30	22.72	12108
POND 10W7	100Y-1H	5.50	4.89	0.0056	95.27	42.61	44874
POND 11W1	100Y-1H	9.43	5.04	0.0004	74.77	32.00	19274
POND 11W2	100Y-1H	7.43	4.55	0.0003	115.78	52.22	69157
POND 12W1	100Y-1H	6.50	4.04	0.0003	62.75	23.17	44235
POND 12W4	100Y-1H	6.50	3.99	0.0002	59.75	4.34	72054
POND 13E1	100Y-1H	6.50	4.22	0.0002	130.00	76.20	46493
POND 13E3	100Y-1H	6.50	4.08	0.0002	123.65	28.58	86344
PR10S100	100Y-1H	5.50	5.17	0.0010	1.86	1.80	242
PR10S101	100Y-1H	5.50	5.16	0.0010	1.86	1.80	242
PR10S102	100Y-1H	5.50	4.89	0.0010	1.70	1.64	242
PR10S103	100Y-1H	5.50	4.89	0.0009	2.23	2.19	242
PR10S104	100Y-1H	5.50	4.89	0.0009	1.70	1.64	242
PR10S105	100Y-1H	6.00	6.51	0.0010	14.94	14.83	395
PR10S106	100Y-1H	5.50	4.86	0.0020	22.44	22.49	132
PR10S107	100Y-1H	5.50	4.79	0.0020	22.49	22.54	132
PR10S108	100Y-1H	5.50	4.82	0.0367	42.04	24.11	786
PR10S14	100Y-1H	5.93	5.34	0.0008	2.07	1.97	232
PR10S17	100Y-1H	5.93	5.28	0.0008	2.43	2.42	438

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR10S17A	100Y-1H	5.93	5.12	0.0008	2.42	2.42	443
PR10S19A	100Y-1H	7.00	5.30	0.0066	17.49	17.32	113
PR10S21A	100Y-1H	6.50	6.32	0.0012	11.10	10.99	133
PR10S23	100Y-1H	9.30	8.00	0.0071	14.12	22.15	113
PR10S80	100Y-1H	12.00	7.53	0.0002	1.41	1.41	113
PR11S101	100Y-1H	7.30	4.68	0.0764	27.05	87.30	113
PR11S103	100Y-1H	7.00	4.94	0.0021	2.45	1.77	117
PR11S105	100Y-1H	8.00	4.92	0.0029	3.43	3.27	113
PR11S106	100Y-1H	6.00	4.54	0.0016	29.85	29.65	603
PR11S107+A	100Y-1H	6.00	4.54	0.0025	31.03	30.88	876
PR11S107+B	100Y-1H	6.00	1.95	0.0044	8.92	8.92	113
PR11S109	100Y-1H	6.25	4.63	0.0021	32.61	32.47	827
PR11S110	100Y-1H	6.25	5.32	0.0010	37.01	36.89	1155
PR11S111	100Y-1H	6.25	5.87	0.0013	29.62	29.55	1122
PR11S112	100Y-1H	6.25	5.93	0.0010	20.06	20.01	1022
PR11S113	100Y-1H	6.25	5.90	0.0014	26.57	26.35	523
PR11S114	100Y-1H	6.25	5.70	0.0012	24.18	23.96	242
PR11S115	100Y-1H	7.50	7.98	0.0010	8.00	7.64	500
PR11S116	100Y-1H	7.30	8.17	0.0016	9.81	9.26	500
PR11S44	100Y-1H	6.50	5.51	0.0016	9.02	8.80	113
PR11S49A	100Y-1H	5.30	7.22	0.0025	19.38	19.26	126
PR11S52A	100Y-1H	5.10	7.17	0.0009	18.46	18.39	126
PR11S54A	100Y-1H	5.10	7.16	0.0010	18.61	18.54	126
PR11S80A	100Y-1H	6.00	4.98	0.0018	2.02	0.42	113
PR11S95	100Y-1H	9.43	4.90	0.0073	32.00	30.45	784
PR12S101	100Y-1H	7.00	1.53	0.0000	0.00	0.00	113
PR12S69	100Y-1H	7.00	3.99	0.0004	1.18	1.49	113
PR12S69A	100Y-1H	6.34	3.99	0.0009	2.67	3.46	113
PR12S70	100Y-1H	6.34	5.60	0.0021	14.06	14.04	371
PR12S71	100Y-1H	6.00	5.63	0.0013	1.59	1.97	246
PR12S73	100Y-1H	7.23	3.99	0.0002	1.18	1.18	113
PR12S75	100Y-1H	15.96	10.14	0.0003	3.22	3.21	113
PR12S83	100Y-1H	7.55	3.99	0.0004	1.41	1.80	113
PR13S07	100Y-1H	7.98	5.64	0.0042	11.28	14.94	235
PR13S08	100Y-1H	6.00	5.09	0.0007	9.26	9.02	113
PR13S100	100Y-1H	7.81	5.45	0.0006	23.96	23.75	823
PR13S101	100Y-1H	7.81	5.14	0.0029	27.32	22.03	1006
PR13S102	100Y-1H	7.98	4.88	0.0288	34.54	84.22	607
PR13S103	100Y-1H	6.00	4.53	0.0003	2.98	2.77	113
PR13S105	100Y-1H	6.50	4.74	0.0061	56.90	40.55	940
PR13S106	100Y-1H	7.50	4.11	0.0008	8.32	8.38	120
PR13S11	100Y-1H	5.15	4.50	0.0026	61.68	61.48	1434
PR13S12	100Y-1H	8.65	6.38	0.0007	6.12	6.31	242
PR13S17	100Y-1H	9.34	5.94	0.0047	33.07	31.96	614
PR13S19	100Y-1H	12.29	10.27	0.0063	26.73	22.46	872
PR13S21	100Y-1H	11.53	8.43	0.0005	5.57	5.57	113
PR13S22	100Y-1H	20.39	19.62	0.0063	13.57	19.98	242

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR13S24	100Y-1H	19.77	14.77	0.0004	5.02	5.02	113
PR13S27	100Y-1H	26.06	21.27	0.0003	3.45	3.45	113
PR13S48	100Y-1H	5.92	4.27	0.0003	3.84	3.64	113
PR13S50	100Y-1H	5.74	4.08	0.0002	1.88	1.75	113
PR13S63	100Y-1H	5.96	4.08	0.0002	0.94	0.80	113
PR13S63A	100Y-1H	6.03	4.08	0.0002	0.94	0.81	113
PR13S63B	100Y-1H	5.74	4.08	0.0002	0.86	0.73	113
PRCS10S116	100Y-1H	6.43	5.60	0.0020	22.72	22.71	202
PRCS10S72	100Y-1H	5.43	4.57	0.0008	47.19	47.19	527
PRCS11S100	100Y-1H	7.43	1.95	0.0167	42.99	42.99	113
PRCS12S100 +A	100Y-1H	6.50	1.53	0.0000	0.00	0.00	113
PRCS12S100 +B	100Y-1H	6.50	1.53	0.0000	0.00	0.00	113
PRCS13S104	100Y-1H	6.50	1.95	0.0108	24.27	24.27	113
SWALE 10E1	100Y-1H	5.93	4.39	0.0002	8.01	3.29	8245
SWALE 10W5	100Y-1H	5.50	5.17	0.0004	22.81	21.92	1157
SWALE 10W6	100Y-1H	5.50	5.16	0.0004	44.59	37.67	12846
SWALE 11W2	100Y-1H	6.43	4.58	0.0005	4.94	4.91	1534
SWALE 12W1A	100Y-1H	5.50	4.79	0.0003	21.72	16.07	9154
SWALE 12W1B	100Y-1H	5.50	4.32	0.0002	18.47	17.03	6785
SWALE 12W2	100Y-1H	5.50	3.99	0.0002	1.33	1.08	1381
10GW1	100Y-24H	5.50	2.98	0.0000	0.30	0.00	0
10GW2	100Y-24H	5.50	2.98	0.0000	1.21	0.00	0
10GW3	100Y-24H	5.50	2.98	0.0000	0.30	0.00	0
10GW4	100Y-24H	5.50	2.98	0.0000	0.29	0.00	0
10GW5	100Y-24H	5.50	2.98	0.0000	1.16	0.01	0
10GW6	100Y-24H	5.50	2.98	0.0000	1.16	0.01	0
10GW7	100Y-24H	5.50	2.98	0.0000	0.29	0.00	0
10GW8	100Y-24H	5.93	2.98	0.0000	0.94	1.10	0
11GW4	100Y-24H	6.00	2.98	0.0000	2.09	0.00	0
11GW5	100Y-24H	6.00	2.98	0.0000	2.42	0.00	0
11GW6	100Y-24H	6.00	2.98	0.0000	2.08	0.00	0
11GW7	100Y-24H	6.00	2.98	0.0000	2.11	0.00	0
13GW1	100Y-24H	6.00	2.98	0.0000	1.69	0.00	0
C4CANALW	100Y-24H	3.43	2.22	0.0000	0.00	0.00	0
CGCANALEAST1	100Y-24H	3.43	2.43	0.0000	33.16	1.31	0
CGCANALEAST2	100Y-24H	5.04	2.43	0.0000	25.01	0.01	0
CGCANALEAST3	100Y-24H	3.43	2.43	0.0000	30.68	0.00	0
EX10S09	100Y-24H	5.68	4.16	0.0007	2.04	2.04	415
EX10S112	100Y-24H	7.79	4.75	0.0005	2.49	2.48	247
EX10S114	100Y-24H	7.25	4.75	0.0006	2.72	2.72	409

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX10S117	100Y-24H	6.43	2.43	0.0028	6.24	7.80	113
EX10S16	100Y-24H	6.11	4.21	0.0041	5.51	2.92	113
EX10S18	100Y-24H	6.10	4.17	0.0007	3.43	3.42	360
EX10S19	100Y-24H	6.04	4.19	0.0006	2.26	2.43	357
EX10S21	100Y-24H	6.68	4.18	0.0006	2.43	2.25	381
EX10S22	100Y-24H	6.36	4.01	0.0005	2.64	2.63	652
EX10S24	100Y-24H	12.89	4.01	0.0005	3.59	3.59	951
EX10S25	100Y-24H	19.64	4.00	0.0011	5.09	4.52	658
EX10S27	100Y-24H	25.30	18.75	0.0002	3.93	3.93	113
EX10S65	100Y-24H	4.93	3.83	0.0010	2.70	4.23	241
EX10S68	100Y-24H	4.93	3.82	0.0010	4.58	2.96	242
EX10S76	100Y-24H	18.24	3.83	0.0001	0.30	0.35	113
EX10S77	100Y-24H	14.84	8.55	0.0000	0.14	0.14	113
EX10S78	100Y-24H	19.62	16.10	0.0000	0.30	0.30	113
EX10SA10	100Y-24H	5.35	4.75	0.0005	1.07	1.06	286
EX10SA2	100Y-24H	7.02	4.76	0.0005	1.31	1.33	604
EX10SA5	100Y-24H	5.93	4.76	0.0005	0.62	0.62	408
EX11S104	100Y-24H	6.22	4.10	0.0013	0.22	1.57	113
EX11S36	100Y-24H	21.70	15.88	0.0002	5.22	5.22	113
EX11S40	100Y-24H	15.15	6.15	0.0001	3.00	3.00	222
EX11S50	100Y-24H	8.61	4.36	0.0008	3.58	3.59	248
EX11S52	100Y-24H	5.37	4.35	0.0011	3.59	3.73	764
EX11S53	100Y-24H	7.31	4.35	0.0006	1.38	1.40	149
EX11S54	100Y-24H	5.04	4.34	0.0016	3.13	2.66	1143
EX11S56	100Y-24H	7.31	4.35	0.0004	1.69	1.69	154
EX11S57	100Y-24H	5.15	4.34	0.0012	2.20	2.15	649
EX11S80	100Y-24H	6.39	4.12	0.0030	0.42	4.29	145
EX11S86	100Y-24H	6.27	4.11	0.0047	1.47	5.30	133
EX11S97	100Y-24H	20.61	18.24	0.0000	0.30	0.30	113
EX11S98	100Y-24H	6.31	4.09	0.0093	2.49	10.68	134
EX12S02	100Y-24H	4.92	4.58	0.0088	10.20	2.68	123
EX12S09	100Y-24H	8.09	4.52	0.0090	2.80	10.20	341
EX12S14	100Y-24H	10.32	4.50	0.0023	3.04	8.37	315
EX12S57	100Y-24H	10.11	4.47	0.0009	0.89	0.58	113
EX12S58	100Y-24H	4.93	4.46	0.0013	3.40	7.54	1546
EX12S59	100Y-24H	5.20	4.46	0.0041	8.01	7.02	113
EX12S61	100Y-24H	5.12	4.49	0.0001	0.53	0.52	113
EX12S77	100Y-24H	6.27	4.49	0.0008	0.81	0.18	113
EX12S78	100Y-24H	4.43	4.49	0.0000	0.45	0.38	597
EX12S80	100Y-24H	8.53	4.93	0.0006	1.28	1.77	138
EX13S51	100Y-24H	6.99	4.44	0.0003	0.73	0.72	252
EX13S53	100Y-24H	8.33	4.44	0.0003	1.64	1.64	322
EX13S88	100Y-24H	6.65	4.44	0.0001	0.45	0.45	166
EX13S89	100Y-24H	7.23	4.44	0.0000	0.27	0.27	160
EX13S90	100Y-24H	7.93	4.44	0.0001	0.43	0.43	227
EX13S91	100Y-24H	7.67	4.44	0.0001	1.44	1.42	272
EXCS10S69	100Y-24H	4.93	2.43	0.0036	3.35	4.07	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EXCS11S102	100Y-24H	7.43	4.08	0.0002	0.83	0.83	113
POND 10E1	100Y-24H	4.93	3.83	0.0001	2.47	2.70	8728
POND 10E2	100Y-24H	4.93	3.82	0.0001	3.47	3.35	5905
POND 10E3	100Y-24H	5.43	3.99	0.0017	22.42	22.26	22593
POND 10E4	100Y-24H	6.43	4.73	0.0001	5.90	5.88	10074
POND 10W7	100Y-24H	5.50	4.07	0.0056	15.92	15.58	39281
POND 11W1	100Y-24H	9.43	4.17	0.0004	9.66	10.14	19179
POND 11W2	100Y-24H	7.43	4.08	0.0001	56.82	19.07	67641
POND 12W1	100Y-24H	6.50	4.45	0.0001	16.02	13.14	45741
POND 12W4	100Y-24H	6.50	4.48	0.0000	8.54	6.58	73992
POND 13E1	100Y-24H	6.50	4.34	0.0000	32.98	32.06	46995
POND 13E3	100Y-24H	6.50	4.41	0.0000	21.09	21.87	88354
PR10S100	100Y-24H	5.50	4.15	0.0006	0.96	0.91	242
PR10S101	100Y-24H	5.50	4.15	0.0005	0.92	0.91	242
PR10S102	100Y-24H	5.50	4.06	0.0003	0.88	0.87	242
PR10S103	100Y-24H	5.50	4.06	0.0004	1.17	1.16	242
PR10S104	100Y-24H	5.50	4.06	0.0010	0.88	0.87	242
PR10S105	100Y-24H	6.00	4.21	0.0022	2.92	5.50	307
PR10S106	100Y-24H	5.50	4.04	0.0021	12.76	12.77	132
PR10S107	100Y-24H	5.50	4.01	0.0021	12.77	12.77	132
PR10S108	100Y-24H	5.50	4.07	0.0367	42.04	10.03	786
PR10S14	100Y-24H	5.93	5.05	0.0002	0.65	0.65	232
PR10S17	100Y-24H	5.93	5.04	0.0002	0.80	0.80	364
PR10S17A	100Y-24H	5.93	5.02	0.0002	0.80	0.80	444
PR10S19A	100Y-24H	7.00	4.09	0.0055	6.29	4.66	113
PR10S21A	100Y-24H	6.50	4.14	0.0012	2.25	2.25	133
PR10S23	100Y-24H	9.30	5.20	0.0001	2.43	2.43	113
PR10S80	100Y-24H	12.00	7.21	0.0000	0.24	0.24	113
PR11S101	100Y-24H	7.30	4.07	0.0764	10.03	87.30	113
PR11S103	100Y-24H	7.00	4.12	0.0021	2.45	1.15	117
PR11S105	100Y-24H	8.00	4.12	0.0029	3.23	1.47	113
PR11S106	100Y-24H	6.00	4.08	0.0019	4.50	4.47	603
PR11S107+A	100Y-24H	6.00	4.09	0.0024	7.90	7.93	876
PR11S107+B	100Y-24H	6.00	2.43	0.0044	3.79	5.87	113
PR11S109	100Y-24H	6.25	4.10	0.0022	8.89	8.91	826
PR11S110	100Y-24H	6.25	4.17	0.0010	11.14	11.13	1155
PR11S111	100Y-24H	6.25	4.25	0.0012	11.15	11.14	1122
PR11S112	100Y-24H	6.25	4.28	0.0011	8.63	8.62	1023
PR11S113	100Y-24H	6.25	4.30	0.0016	6.77	6.76	523
PR11S114	100Y-24H	6.25	4.30	0.0015	5.85	5.86	242
PR11S115	100Y-24H	7.50	4.36	0.0002	1.38	1.38	113
PR11S116	100Y-24H	7.30	4.36	0.0002	1.69	1.69	113
PR11S44	100Y-24H	6.50	4.18	0.0007	1.55	1.56	113
PR11S49A	100Y-24H	5.30	4.32	0.0010	4.35	4.35	113
PR11S52A	100Y-24H	5.10	4.33	0.0005	3.55	3.54	113
PR11S54A	100Y-24H	5.10	4.33	0.0010	3.08	3.08	113
PR11S80A	100Y-24H	6.00	4.12	0.0018	2.02	0.42	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR11S95	100Y-24H	9.43	4.14	0.0073	10.14	9.96	784
PR12S101	100Y-24H	7.00	1.53	0.0000	0.00	0.00	113
PR12S69	100Y-24H	7.00	4.48	0.0000	0.20	0.20	113
PR12S69A	100Y-24H	6.34	4.48	0.0004	0.46	0.71	113
PR12S70	100Y-24H	6.34	4.52	0.0010	2.95	2.69	290
PR12S71	100Y-24H	6.00	4.53	0.0003	0.35	0.37	117
PR12S73	100Y-24H	7.23	4.48	0.0001	0.20	0.23	113
PR12S75	100Y-24H	15.96	9.65	0.0001	0.55	0.55	113
PR12S83	100Y-24H	7.55	4.48	0.0003	0.24	0.43	113
PR13S07	100Y-24H	7.98	4.36	0.0003	1.94	1.96	234
PR13S08	100Y-24H	6.00	4.35	0.0006	1.59	1.64	113
PR13S100	100Y-24H	7.81	4.31	0.0006	6.42	6.43	823
PR13S101	100Y-24H	7.81	4.32	0.0029	27.32	7.12	1006
PR13S102	100Y-24H	7.98	4.33	0.0288	7.47	84.22	606
PR13S103	100Y-24H	6.00	4.34	0.0004	0.51	0.71	113
PR13S105	100Y-24H	6.50	4.34	0.0061	56.90	20.84	940
PR13S106	100Y-24H	7.50	4.43	0.0002	1.42	1.42	115
PR13S11	100Y-24H	5.15	4.34	0.0026	20.84	16.47	1434
PR13S12	100Y-24H	8.65	4.49	0.0001	1.05	1.05	240
PR13S17	100Y-24H	9.34	4.38	0.0004	5.47	5.45	546
PR13S19	100Y-24H	12.29	8.21	0.0002	3.57	3.57	604
PR13S21	100Y-24H	11.53	7.76	0.0001	0.96	0.96	113
PR13S22	100Y-24H	20.39	17.37	0.0001	2.34	2.34	232
PR13S24	100Y-24H	19.77	14.14	0.0001	0.86	0.86	113
PR13S27	100Y-24H	26.06	20.76	0.0001	0.59	0.59	113
PR13S48	100Y-24H	5.92	4.34	0.0003	0.66	0.74	113
PR13S50	100Y-24H	5.74	4.41	0.0001	0.32	0.32	113
PR13S63	100Y-24H	5.96	4.41	0.0001	0.16	0.16	113
PR13S63A	100Y-24H	6.03	4.41	0.0000	0.16	0.16	113
PR13S63B	100Y-24H	5.74	4.41	0.0003	0.15	0.40	113
PRCS10S116	100Y-24H	6.43	2.42	0.0013	6.01	6.02	113
PRCS10S72	100Y-24H	5.43	3.04	0.0008	22.26	22.26	527
PRCS11S100	100Y-24H	7.43	2.43	0.0167	17.53	19.13	113
PRCS12S100 +A	100Y-24H	6.50	1.53	0.0000	0.00	0.00	113
PRCS12S100 +B	100Y-24H	6.50	1.53	0.0000	0.00	0.00	113
PRCS13S104	100Y-24H	6.50	2.43	0.0108	30.68	30.68	113
SWALE 10E1	100Y-24H	5.93	4.32	0.0001	2.15	2.11	8135
SWALE 10W5	100Y-24H	5.50	4.15	0.0001	3.90	4.06	962
SWALE 10W6	100Y-24H	5.50	4.15	0.0001	7.47	7.22	9856
SWALE 11W2	100Y-24H	6.43	4.10	0.0003	1.75	0.83	1134
SWALE 12W1A	100Y-24H	5.50	4.49	0.0001	9.00	3.21	8628
SWALE 12W1B	100Y-24H	5.50	4.47	0.0000	3.76	3.40	7058
SWALE 12W2	100Y-24H	5.50	4.49	0.0001	0.18	0.84	1652

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
10GW1	100Y-8H	5.50	2.98	0.0001	0.41	0.00	0
10GW2	100Y-8H	5.50	2.98	0.0001	1.64	0.00	0
10GW3	100Y-8H	5.50	2.98	0.0001	0.41	0.00	0
10GW4	100Y-8H	5.50	2.98	0.0001	0.38	0.01	0
10GW5	100Y-8H	5.50	2.98	0.0001	1.53	0.03	0
10GW6	100Y-8H	5.50	2.98	0.0001	1.53	0.02	0
10GW7	100Y-8H	5.50	2.98	0.0001	0.38	0.00	0
10GW8	100Y-8H	5.93	2.98	0.0001	1.35	1.39	0
11GW4	100Y-8H	6.00	2.98	0.0001	2.70	0.00	0
11GW5	100Y-8H	6.00	2.98	0.0001	3.34	0.00	0
11GW6	100Y-8H	6.00	2.98	0.0001	2.90	0.00	0
11GW7	100Y-8H	6.00	2.98	0.0001	2.91	0.00	0
13GW1	100Y-8H	6.00	2.98	0.0001	2.13	0.00	0
C4CANALW	100Y-8H	3.43	1.96	0.0000	0.00	0.00	0
CGCANALEAST1	100Y-8H	3.43	2.10	0.0000	70.87	0.94	0
CGCANALEAST2	100Y-8H	5.04	2.10	0.0000	62.04	0.01	0
CGCANALEAST3	100Y-8H	3.43	2.10	0.0000	52.55	0.00	0
EX10S09	100Y-8H	5.68	5.07	0.0010	6.45	6.43	414
EX10S112	100Y-8H	7.79	5.19	0.0010	7.30	7.30	247
EX10S114	100Y-8H	7.25	5.15	0.0010	8.27	8.27	409
EX10S117	100Y-8H	6.43	3.10	0.0028	16.60	16.60	113
EX10S16	100Y-8H	6.11	5.43	0.0010	7.99	7.97	113
EX10S18	100Y-8H	6.10	5.15	0.0010	10.26	10.24	383
EX10S19	100Y-8H	6.04	5.90	0.0008	6.77	6.74	357
EX10S21	100Y-8H	6.68	5.87	0.0008	6.74	6.72	381
EX10S22	100Y-8H	6.36	4.95	0.0007	7.91	7.88	652
EX10S24	100Y-8H	12.89	4.89	0.0007	10.76	10.74	951
EX10S25	100Y-8H	19.64	4.83	0.0011	13.58	13.55	658
EX10S27	100Y-8H	25.30	19.42	0.0005	11.80	11.80	113
EX10S65	100Y-8H	4.93	3.96	0.0010	6.63	7.84	241
EX10S68	100Y-8H	4.93	3.96	0.0010	8.77	7.36	242
EX10S76	100Y-8H	18.24	3.97	0.0003	0.89	0.93	113
EX10S77	100Y-8H	14.84	8.67	0.0001	0.41	0.41	113
EX10S78	100Y-8H	19.62	16.29	0.0001	0.89	0.89	113
EX10SA10	100Y-8H	5.35	5.21	0.0010	3.29	3.28	293
EX10SA2	100Y-8H	7.02	5.24	0.0010	3.93	3.99	604
EX10SA5	100Y-8H	5.93	5.24	0.0010	1.63	1.58	408
EX11S104	100Y-8H	6.22	4.73	0.0004	0.65	0.63	113
EX11S36	100Y-8H	21.70	16.69	0.0006	15.65	15.65	113
EX11S40	100Y-8H	15.15	6.72	0.0004	9.00	9.00	229
EX11S50	100Y-8H	8.61	5.96	0.0004	10.75	10.72	248
EX11S52	100Y-8H	5.37	5.82	0.0010	10.72	10.59	764
EX11S53	100Y-8H	7.31	5.85	0.0009	4.11	4.08	149
EX11S54	100Y-8H	5.04	5.81	0.0013	8.42	8.32	1143

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX11S56	100Y-8H	7.31	5.86	0.0005	5.04	5.01	154
EX11S57	100Y-8H	5.15	5.80	0.0010	6.73	6.63	649
EX11S80	100Y-8H	6.39	5.04	0.0030	1.25	4.29	145
EX11S86	100Y-8H	6.27	4.95	0.0047	3.88	5.30	133
EX11S97	100Y-8H	20.61	18.40	0.0001	0.89	0.89	113
EX11S98	100Y-8H	6.31	4.82	0.0093	7.31	10.68	134
EX12S02	100Y-8H	4.92	5.76	0.0088	10.20	7.99	302
EX12S09	100Y-8H	8.09	5.27	0.0090	8.35	10.20	341
EX12S14	100Y-8H	10.32	4.97	0.0078	9.66	17.59	315
EX12S57	100Y-8H	10.11	4.92	0.0009	0.53	1.90	113
EX12S58	100Y-8H	4.93	4.91	0.0032	8.16	12.12	1734
EX12S59	100Y-8H	5.20	4.91	0.0047	13.55	10.32	113
EX12S61	100Y-8H	5.12	4.96	0.0002	1.09	1.04	113
EX12S77	100Y-8H	6.27	4.97	0.0002	0.57	0.51	113
EX12S78	100Y-8H	4.43	4.96	0.0002	0.97	0.79	643
EX12S80	100Y-8H	8.53	5.38	0.0013	3.85	5.18	149
EX13S51	100Y-8H	6.99	5.00	0.0002	2.19	2.14	254
EX13S53	100Y-8H	8.33	4.89	0.0003	4.90	4.85	324
EX13S88	100Y-8H	6.65	4.95	0.0002	1.34	1.29	167
EX13S89	100Y-8H	7.23	4.95	0.0002	0.81	0.76	160
EX13S90	100Y-8H	7.93	4.94	0.0002	1.25	1.21	228
EX13S91	100Y-8H	7.67	4.92	0.0002	4.20	4.15	273
EXCS10S69	100Y-8H	4.93	2.10	0.0036	8.84	8.84	113
EXCS11S102	100Y-8H	7.43	4.72	0.0004	2.25	2.24	113
POND 10E1	100Y-8H	4.93	3.98	0.0001	6.70	6.63	8799
POND 10E2	100Y-8H	4.93	3.94	0.0001	8.98	8.84	6112
POND 10E3	100Y-8H	5.43	4.70	0.0017	49.93	46.22	22774
POND 10E4	100Y-8H	6.43	4.98	0.0003	17.67	17.63	10601
POND 10W7	100Y-8H	5.50	4.86	0.0056	46.21	37.22	44627
POND 11W1	100Y-8H	9.43	5.24	0.0004	28.98	23.73	19252
POND 11W2	100Y-8H	7.43	4.68	0.0001	59.11	51.42	69574
POND 12W1	100Y-8H	6.50	4.91	0.0002	39.71	19.67	47386
POND 12W4	100Y-8H	6.50	4.95	0.0002	38.10	10.22	75839
POND 13E1	100Y-8H	6.50	4.70	0.0002	70.60	56.05	48453
POND 13E3	100Y-8H	6.50	4.83	0.0002	64.80	33.37	90878
PR10S100	100Y-8H	5.50	5.01	0.0010	1.28	1.23	242
PR10S101	100Y-8H	5.50	5.01	0.0008	1.27	1.23	242
PR10S102	100Y-8H	5.50	4.86	0.0009	1.18	1.14	242
PR10S103	100Y-8H	5.50	4.86	0.0009	1.56	1.53	242
PR10S104	100Y-8H	5.50	4.86	0.0009	1.18	1.14	242
PR10S105	100Y-8H	6.00	5.41	0.0010	7.97	7.95	351
PR10S106	100Y-8H	5.50	4.82	0.0021	23.15	23.17	132
PR10S107	100Y-8H	5.50	4.74	0.0021	23.17	23.20	132
PR10S108	100Y-8H	5.50	4.82	0.0367	42.04	12.00	786
PR10S14	100Y-8H	5.93	5.29	0.0006	1.81	1.80	232
PR10S17	100Y-8H	5.93	5.24	0.0006	2.21	2.21	364
PR10S17A	100Y-8H	5.93	5.11	0.0006	2.21	2.21	444

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR10S19A	100Y-8H	7.00	5.06	0.0055	10.14	10.11	113
PR10S21A	100Y-8H	6.50	5.47	0.0012	6.72	6.69	133
PR10S23	100Y-8H	9.30	5.77	0.0034	7.30	11.04	113
PR10S80	100Y-8H	12.00	7.38	0.0001	0.73	0.73	113
PR11S101	100Y-8H	7.30	4.75	0.0764	12.51	87.30	113
PR11S103	100Y-8H	7.00	5.02	0.0021	2.45	1.21	117
PR11S105	100Y-8H	8.00	5.01	0.0029	3.23	2.11	113
PR11S106	100Y-8H	6.00	4.68	0.0016	8.40	8.35	603
PR11S107+A	100Y-8H	6.00	4.68	0.0020	16.55	16.54	876
PR11S107+B	100Y-8H	6.00	2.11	0.0044	10.83	10.82	113
PR11S109	100Y-8H	6.25	4.74	0.0016	17.83	17.81	826
PR11S110	100Y-8H	6.25	5.01	0.0010	20.88	20.86	1156
PR11S111	100Y-8H	6.25	5.20	0.0010	17.33	17.32	1122
PR11S112	100Y-8H	6.25	5.22	0.0007	11.53	11.51	1023
PR11S113	100Y-8H	6.25	5.21	0.0009	15.20	15.14	523
PR11S114	100Y-8H	6.25	5.15	0.0011	13.92	13.85	242
PR11S115	100Y-8H	7.50	5.91	0.0004	4.14	4.11	113
PR11S116	100Y-8H	7.30	5.98	0.0004	5.07	5.04	113
PR11S44	100Y-8H	6.50	5.08	0.0008	4.66	4.64	113
PR11S49A	100Y-8H	5.30	5.66	0.0010	11.11	11.09	126
PR11S52A	100Y-8H	5.10	5.64	0.0007	10.63	10.60	126
PR11S54A	100Y-8H	5.10	5.64	0.0010	10.69	10.67	126
PR11S80A	100Y-8H	6.00	5.04	0.0018	2.02	0.42	113
PR11S95	100Y-8H	9.43	5.08	0.0073	23.73	23.65	784
PR12S101	100Y-8H	7.00	1.53	0.0000	0.00	0.00	113
PR12S69	100Y-8H	7.00	4.96	0.0002	0.61	0.55	113
PR12S69A	100Y-8H	6.34	4.96	0.0002	1.38	1.32	113
PR12S70	100Y-8H	6.34	5.10	0.0013	8.69	7.45	295
PR12S71	100Y-8H	6.00	5.11	0.0006	1.02	0.97	117
PR12S73	100Y-8H	7.23	4.96	0.0002	0.61	0.73	113
PR12S75	100Y-8H	15.96	9.90	0.0002	1.66	1.66	113
PR12S83	100Y-8H	7.55	4.96	0.0002	0.73	0.67	113
PR13S07	100Y-8H	7.98	5.00	0.0014	5.87	8.57	235
PR13S08	100Y-8H	6.00	4.97	0.0003	4.79	4.78	113
PR13S100	100Y-8H	7.81	5.07	0.0009	13.85	13.73	823
PR13S101	100Y-8H	7.81	4.98	0.0029	27.32	12.72	1006
PR13S102	100Y-8H	7.98	4.90	0.0288	19.58	84.22	606
PR13S103	100Y-8H	6.00	4.78	0.0002	1.54	1.53	113
PR13S105	100Y-8H	6.50	4.85	0.0061	56.90	21.71	940
PR13S106	100Y-8H	7.50	4.87	0.0007	4.15	4.10	117
PR13S11	100Y-8H	5.15	4.77	0.0017	34.15	34.08	1434
PR13S12	100Y-8H	8.65	5.23	0.0003	3.16	3.19	242
PR13S17	100Y-8H	9.34	5.02	0.0009	16.42	16.29	610
PR13S19	100Y-8H	12.29	8.85	0.0003	10.71	10.71	653
PR13S21	100Y-8H	11.53	8.09	0.0002	2.88	2.88	113
PR13S22	100Y-8H	20.39	17.94	0.0004	7.02	7.02	242
PR13S24	100Y-8H	19.77	14.45	0.0002	2.60	2.60	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR13S27	100Y-8H	26.06	21.03	0.0002	1.78	1.78	113
PR13S48	100Y-8H	5.92	4.71	0.0002	1.99	1.95	113
PR13S50	100Y-8H	5.74	4.83	0.0002	0.97	0.93	113
PR13S63	100Y-8H	5.96	4.83	0.0002	0.49	0.44	113
PR13S63A	100Y-8H	6.03	4.83	0.0002	0.49	0.44	113
PR13S63B	100Y-8H	5.74	4.83	0.0002	0.45	0.40	113
PRCS10S116	100Y-8H	6.43	4.51	0.0013	17.63	17.62	114
PRCS10S72	100Y-8H	5.43	4.52	0.0008	46.22	46.22	527
PRCS11S100	100Y-8H	7.43	2.20	0.0167	51.22	51.22	113
PRCS12S100 +A	100Y-8H	6.50	4.95	0.0006	0.33	0.01	131
PRCS12S100 +B	100Y-8H	6.50	1.53	0.0000	0.00	0.00	113
PRCS13S104	100Y-8H	6.50	3.30	0.0108	52.55	52.55	113
SWALE 10E1	100Y-8H	5.93	4.58	0.0002	6.15	5.69	8543
SWALE 10W5	100Y-8H	5.50	5.02	0.0003	11.99	11.78	1119
SWALE 10W6	100Y-8H	5.50	5.01	0.0003	23.43	21.23	12447
SWALE 11W2	100Y-8H	6.43	4.73	0.0004	2.54	2.25	1706
SWALE 12W1A	100Y-8H	5.50	4.94	0.0002	19.46	8.90	9571
SWALE 12W1B	100Y-8H	5.50	4.92	0.0001	10.50	8.16	7987
SWALE 12W2	100Y-8H	5.50	4.97	0.0002	0.79	0.24	1907
10GW1	10Y-1H	5.50	1.53	0.0000	0.50	0.00	0
10GW2	10Y-1H	5.50	1.53	0.0000	2.00	0.00	0
10GW3	10Y-1H	5.50	1.53	0.0000	0.50	0.00	0
10GW4	10Y-1H	5.50	1.53	0.0000	0.43	0.00	0
10GW5	10Y-1H	5.50	1.53	0.0000	1.70	0.00	0
10GW6	10Y-1H	5.50	1.53	0.0000	1.70	0.00	0
10GW7	10Y-1H	5.50	1.53	0.0000	0.43	0.00	0
10GW8	10Y-1H	5.93	1.53	0.0000	2.43	0.00	0
11GW4	10Y-1H	6.00	1.53	0.0000	2.71	0.00	0
11GW5	10Y-1H	6.00	1.53	0.0000	3.26	0.00	0
11GW6	10Y-1H	6.00	1.53	0.0000	2.84	0.00	0
11GW7	10Y-1H	6.00	1.53	0.0000	2.84	0.00	0
13GW1	10Y-1H	6.00	1.53	0.0000	1.94	0.00	0
C4CANALW	10Y-1H	3.43	1.84	0.0000	0.00	0.00	0
CGCANALEAST1	10Y-1H	3.43	1.95	0.0000	45.03	0.74	0
CGCANALEAST2	10Y-1H	5.04	1.95	0.0000	25.01	0.01	0
CGCANALEAST3	10Y-1H	3.43	1.95	0.0000	12.28	0.00	0
EX10S09	10Y-1H	5.68	4.73	0.0010	8.21	8.11	420
EX10S112	10Y-1H	7.79	5.29	0.0012	9.50	9.34	247
EX10S114	10Y-1H	7.25	5.24	0.0018	10.60	10.42	409
EX10S117	10Y-1H	6.43	3.10	0.0028	17.19	17.22	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX10S16	10Y-1H	6.11	5.29	0.0010	10.62	10.52	113
EX10S18	10Y-1H	6.10	4.85	0.0010	13.50	13.42	411
EX10S19	10Y-1H	6.04	5.45	0.0009	9.00	8.83	357
EX10S21	10Y-1H	6.68	5.41	0.0009	8.83	8.68	381
EX10S22	10Y-1H	6.36	4.30	0.0010	10.51	10.12	652
EX10S24	10Y-1H	12.89	4.25	0.0010	13.94	13.45	951
EX10S25	10Y-1H	19.64	4.20	0.0011	17.20	16.85	658
EX10S27	10Y-1H	25.30	19.69	0.0009	15.69	15.69	113
EX10S65	10Y-1H	4.93	3.40	0.0006	2.89	2.54	241
EX10S68	10Y-1H	4.93	3.40	0.0006	2.65	2.89	242
EX10S76	10Y-1H	18.24	3.40	0.0006	1.19	1.16	113
EX10S77	10Y-1H	14.84	8.71	0.0001	0.54	0.54	113
EX10S78	10Y-1H	19.62	16.35	0.0002	1.19	1.19	113
EX10SA10	10Y-1H	5.35	5.32	0.0009	4.22	4.06	305
EX10SA2	10Y-1H	7.02	5.36	0.0010	5.23	5.01	604
EX10SA5	10Y-1H	5.93	5.36	0.0011	2.21	1.98	408
EX11S104	10Y-1H	6.22	4.28	0.0006	0.86	0.88	113
EX11S36	10Y-1H	21.70	17.82	0.0010	20.81	20.80	113
EX11S40	10Y-1H	15.15	6.93	0.0008	11.97	11.96	229
EX11S50	10Y-1H	8.61	5.40	0.0010	14.29	14.07	248
EX11S52	10Y-1H	5.37	5.19	0.0010	14.07	13.90	764
EX11S53	10Y-1H	7.31	5.22	0.0009	5.32	5.22	149
EX11S54	10Y-1H	5.04	5.16	0.0011	11.14	10.88	1143
EX11S56	10Y-1H	7.31	5.25	0.0009	6.53	6.44	154
EX11S57	10Y-1H	5.15	5.16	0.0010	8.78	8.63	649
EX11S80	10Y-1H	6.39	4.08	0.0030	1.55	4.29	145
EX11S86	10Y-1H	6.27	4.06	0.0047	4.51	5.30	133
EX11S97	10Y-1H	20.61	18.48	0.0002	1.19	1.19	113
EX11S98	10Y-1H	6.31	4.04	0.0093	8.95	10.68	134
EX12S02	10Y-1H	4.92	6.14	0.0088	10.73	10.69	302
EX12S09	10Y-1H	8.09	5.27	0.0090	11.15	11.91	341
EX12S14	10Y-1H	10.32	4.58	0.0059	12.82	17.62	315
EX12S57	10Y-1H	10.11	3.96	0.0006	0.70	2.22	113
EX12S58	10Y-1H	4.93	3.43	0.0033	10.64	14.28	1133
EX12S59	10Y-1H	5.20	3.43	0.0045	15.46	12.15	113
EX12S61	10Y-1H	5.12	3.42	0.0002	2.45	2.38	113
EX12S77	10Y-1H	6.27	3.42	0.0001	0.75	0.85	113
EX12S78	10Y-1H	4.43	3.42	0.0002	1.93	1.87	276
EX12S80	10Y-1H	8.53	5.48	0.0005	5.12	5.12	150
EX13S51	10Y-1H	6.99	3.87	0.0003	2.91	2.90	255
EX13S53	10Y-1H	8.33	3.67	0.0004	6.56	6.55	325
EX13S88	10Y-1H	6.65	3.93	0.0002	1.78	1.76	167
EX13S89	10Y-1H	7.23	3.94	0.0002	1.08	1.07	160
EX13S90	10Y-1H	7.93	3.89	0.0002	1.71	1.72	228
EX13S91	10Y-1H	7.67	3.85	0.0003	5.71	5.71	273
EXCS10S69	10Y-1H	4.93	1.95	0.0036	0.00	4.07	113
EXCS11S102	10Y-1H	7.43	4.03	0.0009	3.37	3.27	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND 10E1	10Y-1H	4.93	3.40	0.0001	3.92	0.02	8318
POND 10E2	10Y-1H	4.93	3.40	0.0001	2.51	1.48	5202
POND 10E3	10Y-1H	5.43	4.11	0.0017	38.63	30.79	22595
POND 10E4	10Y-1H	6.43	5.01	0.0005	22.26	18.81	10678
POND 10W7	10Y-1H	5.50	4.19	0.0056	66.52	30.15	40174
POND 11W1	10Y-1H	9.43	4.14	0.0004	38.29	26.85	19175
POND 11W2	10Y-1H	7.43	4.02	0.0004	92.10	25.89	67462
POND 12W1	10Y-1H	6.50	3.43	0.0002	46.69	18.96	41996
POND 12W4	10Y-1H	6.50	3.42	0.0002	40.60	1.96	69876
POND 13E1	10Y-1H	6.50	3.49	0.0002	89.40	45.92	43701
POND 13E3	10Y-1H	6.50	3.44	0.0002	88.49	24.29	82464
PR10S100	10Y-1H	5.50	4.65	0.0010	1.59	1.50	242
PR10S101	10Y-1H	5.50	4.64	0.0010	1.59	1.50	242
PR10S102	10Y-1H	5.50	4.19	0.0008	1.37	1.28	242
PR10S103	10Y-1H	5.50	4.18	0.0008	1.75	1.70	242
PR10S104	10Y-1H	5.50	4.19	0.0009	1.37	1.28	242
PR10S105	10Y-1H	6.00	5.26	0.0010	10.52	10.43	392
PR10S106	10Y-1H	5.50	4.16	0.0021	14.75	14.61	132
PR10S107	10Y-1H	5.50	4.14	0.0021	14.89	14.75	132
PR10S108	10Y-1H	5.50	4.14	0.0367	42.04	22.78	786
PR10S14	10Y-1H	5.93	5.02	0.0008	1.00	0.83	232
PR10S17	10Y-1H	5.93	5.02	0.0008	1.05	0.81	420
PR10S17A	10Y-1H	5.93	5.01	0.0008	0.81	0.60	444
PR10S19A	10Y-1H	7.00	4.33	0.0058	13.11	14.95	113
PR10S21A	10Y-1H	6.50	4.81	0.0012	8.68	8.56	133
PR10S23	10Y-1H	9.30	6.55	0.0069	9.71	15.98	113
PR10S80	10Y-1H	12.00	7.44	0.0002	0.97	0.97	113
PR11S101	10Y-1H	7.30	4.07	0.0764	24.78	87.30	113
PR11S103	10Y-1H	7.00	4.08	0.0021	2.45	1.15	117
PR11S105	10Y-1H	8.00	4.07	0.0029	3.23	2.14	113
PR11S106	10Y-1H	6.00	3.99	0.0018	22.64	22.47	603
PR11S107+A	10Y-1H	6.00	3.97	0.0017	22.84	22.64	876
PR11S107+B	10Y-1H	6.00	1.95	0.0044	2.70	5.87	113
PR11S109	10Y-1H	6.25	3.97	0.0011	24.39	23.82	827
PR11S110	10Y-1H	6.25	4.04	0.0007	28.45	26.90	1155
PR11S111	10Y-1H	6.25	4.26	0.0012	21.16	21.02	1122
PR11S112	10Y-1H	6.25	4.28	0.0010	14.90	14.76	1022
PR11S113	10Y-1H	6.25	4.25	0.0018	21.17	21.01	523
PR11S114	10Y-1H	6.25	4.13	0.0017	19.77	19.61	242
PR11S115	10Y-1H	7.50	5.33	0.0009	5.50	5.32	113
PR11S116	10Y-1H	7.30	5.43	0.0009	6.74	6.53	113
PR11S44	10Y-1H	6.50	4.13	0.0015	6.20	8.57	113
PR11S49A	10Y-1H	5.30	4.94	0.0021	14.40	14.25	113
PR11S52A	10Y-1H	5.10	4.91	0.0008	13.82	13.67	113
PR11S54A	10Y-1H	5.10	4.89	0.0010	14.03	13.87	113
PR11S80A	10Y-1H	6.00	4.08	0.0018	2.02	0.42	113
PR11S95	10Y-1H	9.43	4.10	0.0073	26.85	25.69	784

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR12S101	10Y-1H	7.00	1.53	0.0000	0.00	0.00	113
PR12S69	10Y-1H	7.00	3.42	0.0004	0.81	0.81	113
PR12S69A	10Y-1H	6.34	3.42	0.0010	1.83	1.83	113
PR12S70	10Y-1H	6.34	4.17	0.0010	9.64	9.63	371
PR12S71	10Y-1H	6.00	4.18	0.0010	0.96	1.02	118
PR12S73	10Y-1H	7.23	3.83	0.0001	0.81	0.81	113
PR12S75	10Y-1H	15.96	10.00	0.0003	2.21	2.21	113
PR12S83	10Y-1H	7.55	3.42	0.0005	0.97	0.97	113
PR13S07	10Y-1H	7.98	4.83	0.0005	7.75	7.75	235
PR13S08	10Y-1H	6.00	3.71	0.0006	6.36	6.37	113
PR13S100	10Y-1H	7.81	3.98	0.0008	19.61	19.31	823
PR13S101	10Y-1H	7.81	3.80	0.0029	27.32	18.15	1006
PR13S102	10Y-1H	7.98	3.67	0.0288	25.14	84.22	607
PR13S103	10Y-1H	6.00	3.54	0.0003	2.05	2.04	113
PR13S105	10Y-1H	6.50	3.60	0.0061	56.90	31.07	940
PR13S106	10Y-1H	7.50	3.54	0.0010	5.71	6.25	120
PR13S11	10Y-1H	5.15	3.54	0.0021	44.50	44.12	1434
PR13S12	10Y-1H	8.65	5.24	0.0005	4.21	4.20	242
PR13S17	10Y-1H	9.34	4.72	0.0019	25.25	21.90	614
PR13S19	10Y-1H	12.29	9.07	0.0005	14.21	17.65	867
PR13S21	10Y-1H	11.53	8.22	0.0004	3.83	3.83	113
PR13S22	10Y-1H	20.39	18.63	0.0007	9.33	9.31	242
PR13S24	10Y-1H	19.77	14.57	0.0004	3.45	3.45	113
PR13S27	10Y-1H	26.06	21.12	0.0003	2.37	2.37	113
PR13S48	10Y-1H	5.92	3.49	0.0003	2.64	2.53	113
PR13S50	10Y-1H	5.74	3.44	0.0002	1.29	1.20	113
PR13S63	10Y-1H	5.96	3.44	0.0002	0.65	0.55	113
PR13S63A	10Y-1H	6.03	3.44	0.0002	0.65	0.56	113
PR13S63B	10Y-1H	5.74	3.44	0.0002	0.59	0.50	113
PRCS10S116	10Y-1H	6.43	4.61	0.0013	18.81	18.80	202
PRCS10S72	10Y-1H	5.43	3.60	0.0008	30.79	30.79	527
PRCS11S100	10Y-1H	7.43	1.95	0.0167	15.04	19.13	113
PRCS12S100 +A	10Y-1H	6.50	1.53	0.0000	0.00	0.00	113
PRCS12S100 +B	10Y-1H	6.50	1.53	0.0000	0.00	0.00	113
PRCS13S104	10Y-1H	6.50	1.95	0.0108	0.00	12.28	113
SWALE 10E1	10Y-1H	5.93	3.97	0.0002	3.68	0.06	7576
SWALE 10W5	10Y-1H	5.50	4.65	0.0004	15.48	14.66	1082
SWALE 10W6	10Y-1H	5.50	4.65	0.0005	30.34	25.04	11195
SWALE 11W2	10Y-1H	6.43	4.27	0.0006	3.41	3.37	1258
SWALE 12W1A	10Y-1H	5.50	4.37	0.0004	20.00	10.22	8288
SWALE 12W1B	10Y-1H	5.50	3.96	0.0002	13.64	10.64	6661
SWALE 12W2	10Y-1H	5.50	3.42	0.0001	0.85	0.73	1088
10GW1	10Y-24H	5.50	2.98	0.0000	0.26	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
10GW2	10Y-24H	5.50	2.98	0.0000	1.04	0.00	0
10GW3	10Y-24H	5.50	2.98	0.0000	0.26	0.00	0
10GW4	10Y-24H	5.50	2.98	0.0000	0.25	0.01	0
10GW5	10Y-24H	5.50	2.98	0.0000	1.00	0.02	0
10GW6	10Y-24H	5.50	2.98	0.0000	1.00	0.01	0
10GW7	10Y-24H	5.50	2.98	0.0000	0.25	0.00	0
10GW8	10Y-24H	5.93	2.98	0.0000	0.94	1.10	0
11GW4	10Y-24H	6.00	2.98	0.0000	1.77	0.00	0
11GW5	10Y-24H	6.00	2.98	0.0000	2.00	0.00	0
11GW6	10Y-24H	6.00	2.98	0.0000	1.68	0.00	0
11GW7	10Y-24H	6.00	2.98	0.0000	1.69	0.00	0
13GW1	10Y-24H	6.00	2.98	0.0000	1.35	0.00	0
C4CANALW	10Y-24H	3.43	2.22	0.0000	0.00	0.00	0
CGCANALEAST1	10Y-24H	3.43	2.43	0.0000	18.22	1.33	0
CGCANALEAST2	10Y-24H	5.04	2.43	0.0000	25.01	0.01	0
CGCANALEAST3	10Y-24H	3.43	2.43	0.0000	14.23	0.00	0
EX10S09	10Y-24H	5.68	3.91	0.0006	1.34	1.34	415
EX10S112	10Y-24H	7.79	4.68	0.0004	1.72	1.68	247
EX10S114	10Y-24H	7.25	4.68	0.0016	1.79	2.37	409
EX10S117	10Y-24H	6.43	2.43	0.0028	4.39	4.39	113
EX10S16	10Y-24H	6.11	3.94	0.0010	1.76	2.78	113
EX10S18	10Y-24H	6.10	3.92	0.0006	2.26	2.25	351
EX10S19	10Y-24H	6.04	3.91	0.0006	1.49	1.60	357
EX10S21	10Y-24H	6.68	3.90	0.0006	1.60	1.48	381
EX10S22	10Y-24H	6.36	3.84	0.0005	1.74	1.75	652
EX10S24	10Y-24H	12.89	3.83	0.0005	2.38	2.38	951
EX10S25	10Y-24H	19.64	3.83	0.0011	5.09	2.96	658
EX10S27	10Y-24H	25.30	18.60	0.0001	2.60	2.60	113
EX10S65	10Y-24H	4.93	3.78	0.0010	1.85	3.08	241
EX10S68	10Y-24H	4.93	3.78	0.0010	3.35	2.01	242
EX10S76	10Y-24H	18.24	3.78	0.0001	0.20	0.27	113
EX10S77	10Y-24H	14.84	8.52	0.0000	0.09	0.09	113
EX10S78	10Y-24H	19.62	16.06	0.0000	0.20	0.20	113
EX10SA10	10Y-24H	5.35	4.68	0.0007	0.90	0.69	286
EX10SA2	10Y-24H	7.02	4.69	0.0004	0.87	0.92	604
EX10SA5	10Y-24H	5.93	4.69	0.0004	0.50	0.50	408
EX11S104	10Y-24H	6.22	4.04	0.0016	0.21	1.92	113
EX11S36	10Y-24H	21.70	15.70	0.0002	3.44	3.44	113
EX11S40	10Y-24H	15.15	6.01	0.0001	1.98	1.98	213
EX11S50	10Y-24H	8.61	3.95	0.0007	2.36	2.38	248
EX11S52	10Y-24H	5.37	3.94	0.0012	2.85	3.24	764
EX11S53	10Y-24H	7.31	3.94	0.0005	0.97	1.30	149
EX11S54	10Y-24H	5.04	3.94	0.0016	3.03	2.63	1143
EX11S56	10Y-24H	7.31	3.95	0.0007	1.12	1.24	154

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX11S57	10Y-24H	5.15	3.94	0.0012	2.32	2.17	649
EX11S80	10Y-24H	6.39	3.89	0.0030	0.42	4.29	145
EX11S86	10Y-24H	6.27	3.88	0.0047	1.47	5.30	133
EX11S97	10Y-24H	20.61	18.20	0.0000	0.20	0.20	113
EX11S98	10Y-24H	6.31	3.87	0.0093	2.49	10.68	134
EX12S02	10Y-24H	4.92	4.09	0.0088	10.20	1.77	123
EX12S09	10Y-24H	8.09	4.08	0.0090	1.85	10.20	341
EX12S14	10Y-24H	10.32	4.07	0.0006	1.99	1.97	315
EX12S57	10Y-24H	10.11	4.06	0.0002	0.12	0.60	113
EX12S58	10Y-24H	4.93	4.05	0.0013	1.90	5.62	1376
EX12S59	10Y-24H	5.20	4.05	0.0034	5.84	5.52	113
EX12S61	10Y-24H	5.12	4.05	0.0002	0.31	0.29	113
EX12S77	10Y-24H	6.27	4.06	0.0001	0.12	0.12	113
EX12S78	10Y-24H	4.43	4.06	0.0000	0.24	0.24	337
EX12S80	10Y-24H	8.53	4.84	0.0001	0.85	0.85	137
EX13S51	10Y-24H	6.99	4.04	0.0001	0.48	0.47	252
EX13S53	10Y-24H	8.33	4.04	0.0002	1.08	1.07	321
EX13S88	10Y-24H	6.65	4.04	0.0001	0.29	0.28	166
EX13S89	10Y-24H	7.23	4.04	0.0000	0.18	0.17	160
EX13S90	10Y-24H	7.93	4.04	0.0001	0.27	0.26	227
EX13S91	10Y-24H	7.67	4.04	0.0001	0.92	0.90	272
EXCS10S69	10Y-24H	4.93	2.43	0.0036	1.85	4.07	113
EXCS11S102	10Y-24H	7.43	3.87	0.0001	0.56	0.56	113
POND 10E1	10Y-24H	4.93	3.78	0.0000	1.40	1.85	8717
POND 10E2	10Y-24H	4.93	3.77	0.0000	2.35	1.85	5827
POND 10E3	10Y-24H	5.43	3.82	0.0017	12.40	12.17	22578
POND 10E4	10Y-24H	6.43	4.67	0.0001	3.90	3.88	9955
POND 10W7	10Y-24H	5.50	3.86	0.0056	9.39	8.99	37887
POND 11W1	10Y-24H	9.43	3.91	0.0004	6.37	10.14	19117
POND 11W2	10Y-24H	7.43	3.87	0.0001	56.82	11.03	66973
POND 12W1	10Y-24H	6.50	4.04	0.0000	10.48	7.26	44247
POND 12W4	10Y-24H	6.50	4.05	0.0000	7.22	3.64	72308
POND 13E1	10Y-24H	6.50	4.00	0.0000	16.91	17.75	45720
POND 13E3	10Y-24H	6.50	4.03	0.0000	12.77	12.11	86019
PR10S100	10Y-24H	5.50	3.90	0.0007	0.80	0.78	242
PR10S101	10Y-24H	5.50	3.90	0.0004	0.79	0.78	242
PR10S102	10Y-24H	5.50	3.86	0.0003	0.76	0.75	242
PR10S103	10Y-24H	5.50	3.86	0.0003	1.01	1.00	242
PR10S104	10Y-24H	5.50	3.86	0.0010	0.76	0.75	242
PR10S105	10Y-24H	6.00	3.94	0.0010	2.78	1.75	290
PR10S106	10Y-24H	5.50	3.85	0.0022	6.53	6.53	132
PR10S107	10Y-24H	5.50	3.84	0.0022	6.53	6.53	132
PR10S108	10Y-24H	5.50	3.86	0.0367	42.04	10.03	786
PR10S14	10Y-24H	5.93	5.00	0.0002	0.36	0.38	232
PR10S17	10Y-24H	5.93	5.00	0.0002	0.46	0.45	364
PR10S17A	10Y-24H	5.93	4.99	0.0002	0.45	0.44	444
PR10S19A	10Y-24H	7.00	3.87	0.0055	6.29	4.45	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR10S21A	10Y-24H	6.50	3.89	0.0012	1.97	1.47	133
PR10S23	10Y-24H	9.30	5.06	0.0001	1.61	1.61	113
PR10S80	10Y-24H	12.00	7.17	0.0000	0.16	0.16	113
PR11S101	10Y-24H	7.30	3.87	0.0764	10.03	87.30	113
PR11S103	10Y-24H	7.00	3.89	0.0021	2.45	1.15	117
PR11S105	10Y-24H	8.00	3.88	0.0029	3.23	1.47	113
PR11S106	10Y-24H	6.00	3.87	0.0020	3.88	3.81	603
PR11S107+A	10Y-24H	6.00	3.87	0.0023	5.17	5.21	876
PR11S107+B	10Y-24H	6.00	2.43	0.0044	1.92	5.87	113
PR11S109	10Y-24H	6.25	3.88	0.0018	5.11	6.02	826
PR11S110	10Y-24H	6.25	3.89	0.0010	6.71	6.64	1155
PR11S111	10Y-24H	6.25	3.91	0.0012	7.27	7.27	1122
PR11S112	10Y-24H	6.25	3.92	0.0009	6.27	6.27	1023
PR11S113	10Y-24H	6.25	3.94	0.0011	5.59	5.25	523
PR11S114	10Y-24H	6.25	3.94	0.0013	5.02	5.03	242
PR11S115	10Y-24H	7.50	3.95	0.0002	0.91	0.97	113
PR11S116	10Y-24H	7.30	3.95	0.0002	1.11	1.12	113
PR11S44	10Y-24H	6.50	3.89	0.0007	1.03	1.22	113
PR11S49A	10Y-24H	5.30	3.93	0.0010	2.74	2.73	113
PR11S52A	10Y-24H	5.10	3.94	0.0006	2.37	2.37	113
PR11S54A	10Y-24H	5.10	3.94	0.0010	2.21	2.22	113
PR11S80A	10Y-24H	6.00	3.89	0.0018	2.02	0.42	113
PR11S95	10Y-24H	9.43	3.89	0.0073	10.14	9.96	784
PR12S101	10Y-24H	7.00	1.53	0.0000	0.00	0.00	113
PR12S69	10Y-24H	7.00	4.05	0.0001	0.13	0.13	113
PR12S69A	10Y-24H	6.34	4.05	0.0001	0.30	0.29	113
PR12S70	10Y-24H	6.34	4.07	0.0010	1.66	1.65	290
PR12S71	10Y-24H	6.00	4.07	0.0001	0.22	0.21	117
PR12S73	10Y-24H	7.23	4.05	0.0002	0.13	0.29	113
PR12S75	10Y-24H	15.96	9.59	0.0000	0.37	0.37	113
PR12S83	10Y-24H	7.55	4.05	0.0001	0.16	0.15	113
PR13S07	10Y-24H	7.98	4.00	0.0002	1.29	1.53	220
PR13S08	10Y-24H	6.00	4.00	0.0007	1.05	1.17	113
PR13S100	10Y-24H	7.81	3.95	0.0007	5.51	5.53	823
PR13S101	10Y-24H	7.81	3.97	0.0029	27.32	6.03	1006
PR13S102	10Y-24H	7.98	3.99	0.0288	6.71	84.22	605
PR13S103	10Y-24H	6.00	4.00	0.0005	0.34	0.58	113
PR13S105	10Y-24H	6.50	3.99	0.0061	56.90	20.84	940
PR13S106	10Y-24H	7.50	4.03	0.0002	0.90	0.90	115
PR13S11	10Y-24H	5.15	4.00	0.0026	20.84	16.47	1434
PR13S12	10Y-24H	8.65	4.31	0.0001	0.70	0.70	221
PR13S17	10Y-24H	9.34	4.01	0.0003	3.61	3.58	547
PR13S19	10Y-24H	12.29	8.06	0.0001	2.35	2.35	567
PR13S21	10Y-24H	11.53	7.67	0.0001	0.63	0.63	113
PR13S22	10Y-24H	20.39	17.23	0.0001	1.54	1.54	219
PR13S24	10Y-24H	19.77	14.05	0.0001	0.57	0.57	113
PR13S27	10Y-24H	26.06	20.69	0.0001	0.39	0.39	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR13S48	10Y-24H	5.92	4.00	0.0001	0.44	0.43	113
PR13S50	10Y-24H	5.74	4.03	0.0001	0.21	0.21	113
PR13S63	10Y-24H	5.96	4.03	0.0001	0.11	0.10	113
PR13S63A	10Y-24H	6.03	4.03	0.0001	0.11	0.10	113
PR13S63B	10Y-24H	5.74	4.03	0.0001	0.10	0.09	113
PRCS10S116	10Y-24H	6.43	2.42	0.0013	4.11	4.11	113
PRCS10S72	10Y-24H	5.43	2.43	0.0008	12.17	12.17	527
PRCS11S100	10Y-24H	7.43	2.43	0.0167	8.96	19.13	113
PRCS12S100 +A	10Y-24H	6.50	1.53	0.0000	0.00	0.00	113
PRCS12S100 +B	10Y-24H	6.50	1.53	0.0000	0.00	0.00	113
PRCS13S104	10Y-24H	6.50	2.43	0.0108	14.23	14.23	113
SWALE 10E1	10Y-24H	5.93	4.22	0.0001	1.29	1.18	7973
SWALE 10W5	10Y-24H	5.50	3.91	0.0001	2.56	2.53	893
SWALE 10W6	10Y-24H	5.50	3.90	0.0000	4.66	4.40	9120
SWALE 11W2	10Y-24H	6.43	4.03	0.0002	2.17	0.56	1084
SWALE 12W1A	10Y-24H	5.50	4.07	0.0001	2.41	1.89	7759
SWALE 12W1B	10Y-24H	5.50	4.05	0.0000	2.45	1.90	6209
SWALE 12W2	10Y-24H	5.50	4.06	0.0000	0.13	0.11	1420
10GW1	10Y-8H	5.50	2.98	0.0001	0.32	0.00	0
10GW2	10Y-8H	5.50	2.98	0.0001	1.30	0.01	0
10GW3	10Y-8H	5.50	2.98	0.0001	0.32	0.00	0
10GW4	10Y-8H	5.50	2.98	0.0001	0.29	0.01	0
10GW5	10Y-8H	5.50	2.98	0.0001	1.15	0.04	0
10GW6	10Y-8H	5.50	2.98	0.0001	1.15	0.02	0
10GW7	10Y-8H	5.50	2.98	0.0001	0.29	0.00	0
10GW8	10Y-8H	5.93	2.98	0.0001	0.59	1.41	0
11GW4	10Y-8H	6.00	2.98	0.0001	2.02	0.00	0
11GW5	10Y-8H	6.00	2.98	0.0001	2.36	0.00	0
11GW6	10Y-8H	6.00	2.98	0.0001	2.00	0.00	0
11GW7	10Y-8H	6.00	2.98	0.0001	2.00	0.00	0
13GW1	10Y-8H	6.00	2.98	0.0001	1.49	0.00	0
C4CANALW	10Y-8H	3.43	1.96	0.0000	0.00	0.00	0
CGCANALEAST1	10Y-8H	3.43	2.10	0.0000	45.81	0.92	0
CGCANALEAST2	10Y-8H	5.04	2.10	0.0000	36.58	0.01	0
CGCANALEAST3	10Y-8H	3.43	2.10	0.0000	25.28	0.00	0
EX10S09	10Y-8H	5.68	4.56	0.0010	4.42	4.40	414
EX10S112	10Y-8H	7.79	4.98	0.0010	5.18	5.17	247
EX10S114	10Y-8H	7.25	4.96	0.0009	5.84	5.84	409
EX10S117	10Y-8H	6.43	2.64	0.0028	12.03	12.05	113
EX10S16	10Y-8H	6.11	4.73	0.0010	5.65	5.64	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX10S18	10Y-8H	6.10	4.60	0.0010	7.25	7.24	381
EX10S19	10Y-8H	6.04	4.83	0.0010	4.79	4.77	357
EX10S21	10Y-8H	6.68	4.82	0.0010	4.77	4.75	381
EX10S22	10Y-8H	6.36	4.33	0.0007	5.59	5.57	652
EX10S24	10Y-8H	12.89	4.30	0.0008	7.61	7.59	951
EX10S25	10Y-8H	19.64	4.27	0.0011	9.60	9.58	658
EX10S27	10Y-8H	25.30	19.16	0.0005	8.35	8.35	113
EX10S65	10Y-8H	4.93	3.83	0.0007	2.73	4.02	241
EX10S68	10Y-8H	4.93	3.83	0.0007	4.38	3.01	242
EX10S76	10Y-8H	18.24	3.83	0.0002	0.63	0.61	113
EX10S77	10Y-8H	14.84	8.63	0.0001	0.29	0.29	113
EX10S78	10Y-8H	19.62	16.21	0.0001	0.63	0.63	113
EX10SA10	10Y-8H	5.35	4.99	0.0009	2.32	2.32	293
EX10SA2	10Y-8H	7.02	5.01	0.0010	2.78	2.82	604
EX10SA5	10Y-8H	5.93	5.01	0.0009	1.15	1.11	408
EX11S104	10Y-8H	6.22	4.32	0.0004	0.46	0.50	113
EX11S36	10Y-8H	21.70	16.37	0.0005	11.07	11.07	113
EX11S40	10Y-8H	15.15	6.49	0.0003	6.37	6.37	229
EX11S50	10Y-8H	8.61	4.80	0.0007	7.60	7.58	248
EX11S52	10Y-8H	5.37	4.73	0.0011	7.58	7.55	764
EX11S53	10Y-8H	7.31	4.74	0.0007	2.90	2.88	149
EX11S54	10Y-8H	5.04	4.72	0.0017	6.05	6.11	1143
EX11S56	10Y-8H	7.31	4.75	0.0006	3.56	3.53	154
EX11S57	10Y-8H	5.15	4.72	0.0010	4.97	4.83	649
EX11S80	10Y-8H	6.39	4.44	0.0030	0.88	4.29	145
EX11S86	10Y-8H	6.27	4.40	0.0047	2.70	5.30	133
EX11S97	10Y-8H	20.61	18.34	0.0001	0.63	0.63	113
EX11S98	10Y-8H	6.31	4.34	0.0093	5.12	10.68	134
EX12S02	10Y-8H	4.92	4.76	0.0088	10.20	5.70	123
EX12S09	10Y-8H	8.09	4.51	0.0090	5.95	10.20	341
EX12S14	10Y-8H	10.32	4.34	0.0088	7.13	16.12	315
EX12S57	10Y-8H	10.11	4.31	0.0007	0.37	1.38	113
EX12S58	10Y-8H	4.93	4.30	0.0028	6.88	11.02	1482
EX12S59	10Y-8H	5.20	4.30	0.0042	12.05	9.43	113
EX12S61	10Y-8H	5.12	4.31	0.0001	1.03	0.99	113
EX12S77	10Y-8H	6.27	4.32	0.0001	0.40	0.35	113
EX12S78	10Y-8H	4.43	4.32	0.0001	0.83	0.76	363
EX12S80	10Y-8H	8.53	5.17	0.0002	2.73	2.73	149
EX13S51	10Y-8H	6.99	4.30	0.0002	1.55	1.50	255
EX13S53	10Y-8H	8.33	4.30	0.0002	3.45	3.40	324
EX13S88	10Y-8H	6.65	4.30	0.0001	0.95	0.88	167
EX13S89	10Y-8H	7.23	4.30	0.0001	0.57	0.54	160
EX13S90	10Y-8H	7.93	4.30	0.0001	0.87	0.83	228
EX13S91	10Y-8H	7.67	4.30	0.0002	2.87	2.81	273
EXCS10S69	10Y-8H	4.93	2.10	0.0036	3.39	4.07	113
EXCS11S102	10Y-8H	7.43	4.31	0.0002	1.78	1.75	113
POND 10E1	10Y-8H	4.93	3.83	0.0001	3.08	2.73	8729

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND 10E2	10Y-8H	4.93	3.82	0.0001	3.55	3.39	5907
POND 10E3	10Y-8H	5.43	4.21	0.0017	36.55	34.28	22595
POND 10E4	10Y-8H	6.43	4.88	0.0002	12.49	12.47	10391
POND 10W7	10Y-8H	5.50	4.33	0.0056	31.12	25.46	41111
POND 11W1	10Y-8H	9.43	4.53	0.0004	20.49	15.60	19238
POND 11W2	10Y-8H	7.43	4.29	0.0001	56.82	30.75	68330
POND 12W1	10Y-8H	6.50	4.30	0.0001	34.27	13.73	45176
POND 12W4	10Y-8H	6.50	4.31	0.0001	30.15	5.82	73322
POND 13E1	10Y-8H	6.50	4.24	0.0002	51.78	37.59	46607
POND 13E3	10Y-8H	6.50	4.28	0.0001	54.15	18.84	87535
PR10S100	10Y-8H	5.50	4.52	0.0007	1.01	0.97	242
PR10S101	10Y-8H	5.50	4.52	0.0008	1.01	0.97	242
PR10S102	10Y-8H	5.50	4.33	0.0008	0.89	0.86	242
PR10S103	10Y-8H	5.50	4.33	0.0008	1.18	1.15	242
PR10S104	10Y-8H	5.50	4.33	0.0009	0.89	0.86	242
PR10S105	10Y-8H	6.00	4.72	0.0010	5.64	5.62	347
PR10S106	10Y-8H	5.50	4.30	0.0016	18.27	18.29	132
PR10S107	10Y-8H	5.50	4.25	0.0016	18.29	18.30	132
PR10S108	10Y-8H	5.50	4.32	0.0367	42.04	10.46	786
PR10S14	10Y-8H	5.93	5.12	0.0006	1.07	1.07	232
PR10S17	10Y-8H	5.93	5.10	0.0006	1.31	1.31	364
PR10S17A	10Y-8H	5.93	5.06	0.0006	1.31	1.31	444
PR10S19A	10Y-8H	7.00	4.42	0.0055	7.16	7.14	113
PR10S21A	10Y-8H	6.50	4.62	0.0012	4.75	4.72	133
PR10S23	10Y-8H	9.30	5.56	0.0003	5.16	5.16	113
PR10S80	10Y-8H	12.00	7.30	0.0001	0.52	0.52	113
PR11S101	10Y-8H	7.30	4.31	0.0764	10.84	87.30	113
PR11S103	10Y-8H	7.00	4.43	0.0021	2.45	1.15	117
PR11S105	10Y-8H	8.00	4.43	0.0029	3.23	1.47	113
PR11S106	10Y-8H	6.00	4.29	0.0017	6.22	6.17	603
PR11S107+A	10Y-8H	6.00	4.29	0.0021	9.51	9.49	876
PR11S107+B	10Y-8H	6.00	2.10	0.0044	5.88	8.41	113
PR11S109	10Y-8H	6.25	4.30	0.0017	10.50	10.48	826
PR11S110	10Y-8H	6.25	4.37	0.0010	12.71	12.69	1156
PR11S111	10Y-8H	6.25	4.43	0.0010	10.22	10.14	1122
PR11S112	10Y-8H	6.25	4.43	0.0006	8.24	8.30	1023
PR11S113	10Y-8H	6.25	4.42	0.0010	13.78	13.71	523
PR11S114	10Y-8H	6.25	4.37	0.0010	13.01	12.94	242
PR11S115	10Y-8H	7.50	4.78	0.0002	2.93	2.90	113
PR11S116	10Y-8H	7.30	4.81	0.0003	3.59	3.56	113
PR11S44	10Y-8H	6.50	4.41	0.0006	3.30	3.27	113
PR11S49A	10Y-8H	5.30	4.65	0.0010	7.82	7.79	113
PR11S52A	10Y-8H	5.10	4.64	0.0006	7.56	7.53	113
PR11S54A	10Y-8H	5.10	4.63	0.0010	7.72	7.70	113
PR11S80A	10Y-8H	6.00	4.44	0.0018	2.02	0.42	113
PR11S95	10Y-8H	9.43	4.46	0.0073	15.60	15.52	784
PR12S101	10Y-8H	7.00	1.53	0.0000	0.00	0.00	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR12S69	10Y-8H	7.00	4.31	0.0002	0.43	0.42	113
PR12S69A	10Y-8H	6.34	4.31	0.0002	0.98	0.93	113
PR12S70	10Y-8H	6.34	4.34	0.0009	5.28	5.24	296
PR12S71	10Y-8H	6.00	4.35	0.0001	0.69	0.64	117
PR12S73	10Y-8H	7.23	4.31	0.0003	0.43	0.55	113
PR12S75	10Y-8H	15.96	9.81	0.0001	1.18	1.18	113
PR12S83	10Y-8H	7.55	4.31	0.0002	0.52	0.49	113
PR13S07	10Y-8H	7.98	4.44	0.0002	4.13	4.13	235
PR13S08	10Y-8H	6.00	4.25	0.0004	3.39	3.35	113
PR13S100	10Y-8H	7.81	4.31	0.0005	12.94	12.82	823
PR13S101	10Y-8H	7.81	4.24	0.0029	27.32	12.17	1006
PR13S102	10Y-8H	7.98	4.24	0.0288	15.36	84.22	606
PR13S103	10Y-8H	6.00	4.24	0.0003	1.09	1.05	113
PR13S105	10Y-8H	6.50	4.24	0.0061	56.90	20.84	940
PR13S106	10Y-8H	7.50	4.29	0.0004	2.81	2.77	118
PR13S11	10Y-8H	5.15	4.24	0.0018	26.55	26.50	1434
PR13S12	10Y-8H	8.65	4.73	0.0002	2.24	2.24	242
PR13S17	10Y-8H	9.34	4.27	0.0004	11.62	11.45	608
PR13S19	10Y-8H	12.29	8.59	0.0002	7.57	7.57	650
PR13S21	10Y-8H	11.53	7.97	0.0002	2.04	2.04	113
PR13S22	10Y-8H	20.39	17.72	0.0003	4.96	4.96	242
PR13S24	10Y-8H	19.77	14.33	0.0001	1.84	1.84	113
PR13S27	10Y-8H	26.06	20.93	0.0001	1.26	1.26	113
PR13S48	10Y-8H	5.92	4.24	0.0002	1.41	1.37	113
PR13S50	10Y-8H	5.74	4.28	0.0001	0.69	0.64	113
PR13S63	10Y-8H	5.96	4.28	0.0001	0.34	0.30	113
PR13S63A	10Y-8H	6.03	4.28	0.0001	0.34	0.30	113
PR13S63B	10Y-8H	5.74	4.28	0.0001	0.32	0.27	113
PRCS10S116	10Y-8H	6.43	3.38	0.0013	12.47	12.47	113
PRCS10S72	10Y-8H	5.43	3.81	0.0008	34.28	34.27	527
PRCS11S100	10Y-8H	7.43	2.10	0.0167	28.18	28.18	113
PRCS12S100 +A	10Y-8H	6.50	1.53	0.0000	0.00	0.00	113
PRCS12S100 +B	10Y-8H	6.50	1.53	0.0000	0.00	0.00	113
PRCS13S104	10Y-8H	6.50	2.10	0.0108	25.28	25.28	113
SWALE 10E1	10Y-8H	5.93	4.34	0.0002	3.95	2.52	8166
SWALE 10W5	10Y-8H	5.50	4.53	0.0002	8.33	8.18	1056
SWALE 10W6	10Y-8H	5.50	4.52	0.0002	16.45	14.97	10919
SWALE 11W2	10Y-8H	6.43	4.32	0.0004	1.83	1.78	1283
SWALE 12W1A	10Y-8H	5.50	4.33	0.0001	17.41	6.93	8300
SWALE 12W1B	10Y-8H	5.50	4.31	0.0001	8.79	6.88	6737
SWALE 12W2	10Y-8H	5.50	4.32	0.0001	0.50	0.27	1559
10GW1	25Y-72H	5.50	2.98	0.0001	0.45	0.00	0
10GW2	25Y-72H	5.50	2.98	0.0001	1.78	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
10GW3	25Y-72H	5.50	2.98	0.0001	0.45	0.00	0
10GW4	25Y-72H	5.50	2.98	0.0001	0.42	0.00	0
10GW5	25Y-72H	5.50	2.98	0.0001	1.67	0.01	0
10GW6	25Y-72H	5.50	2.98	0.0001	1.67	0.01	0
10GW7	25Y-72H	5.50	2.98	0.0001	0.42	0.00	0
10GW8	25Y-72H	5.93	2.98	0.0001	1.97	0.57	0
11GW4	25Y-72H	6.00	2.98	0.0001	3.25	0.00	0
11GW5	25Y-72H	6.00	2.98	0.0001	4.47	0.00	0
11GW6	25Y-72H	6.00	2.98	0.0001	4.05	0.00	0
11GW7	25Y-72H	6.00	2.98	0.0001	4.09	0.00	0
13GW1	25Y-72H	6.00	2.98	0.0001	2.91	0.00	0
C4CANALW	25Y-72H	3.43	2.43	0.0000	0.00	0.00	0
CGCANALEAST1	25Y-72H	3.43	2.93	0.0000	83.49	1.91	0
CGCANALEAST2	25Y-72H	5.04	2.93	0.0000	74.36	0.01	0
CGCANALEAST3	25Y-72H	3.43	2.93	0.0000	52.95	0.00	0
EX10S09	25Y-72H	5.68	5.36	0.0003	9.76	9.70	415
EX10S112	25Y-72H	7.79	5.93	0.0010	11.03	10.96	247
EX10S114	25Y-72H	7.25	5.86	0.0042	12.51	12.45	408
EX10S117	25Y-72H	6.43	3.57	0.0028	19.29	19.29	113
EX10S16	25Y-72H	6.11	6.19	0.0049	12.19	12.07	439
EX10S18	25Y-72H	6.10	5.55	0.0003	15.47	15.41	342
EX10S19	25Y-72H	6.04	7.04	0.0014	10.34	9.66	656
EX10S21	25Y-72H	6.68	7.00	0.0013	9.66	9.23	507
EX10S22	25Y-72H	6.36	5.42	0.0005	12.07	11.99	652
EX10S24	25Y-72H	12.89	5.29	0.0008	16.38	16.30	951
EX10S25	25Y-72H	19.64	5.14	0.0011	20.63	20.56	658
EX10S27	25Y-72H	25.30	19.81	0.0074	18.01	32.05	113
EX10S65	25Y-72H	4.93	4.07	0.0011	10.54	10.55	241
EX10S68	25Y-72H	4.93	4.06	0.0012	11.64	11.64	242
EX10S76	25Y-72H	18.24	4.08	0.0002	1.36	1.35	113
EX10S77	25Y-72H	14.84	8.73	0.0001	0.62	0.62	113
EX10S78	25Y-72H	19.62	16.39	0.0002	1.36	1.36	113
EX10SA10	25Y-72H	5.35	5.98	0.0017	4.97	4.91	286
EX10SA2	25Y-72H	7.02	6.05	0.0009	6.00	5.92	604
EX10SA5	25Y-72H	5.93	6.05	0.0012	2.44	2.38	408
EX11S104	25Y-72H	6.22	4.90	0.0021	0.99	2.37	113
EX11S36	25Y-72H	21.70	18.05	0.0298	23.89	55.83	113
EX11S40	25Y-72H	15.15	7.06	0.0035	13.74	17.10	229
EX11S50	25Y-72H	8.61	7.80	0.0008	16.40	16.28	248
EX11S52	25Y-72H	5.37	7.50	0.0010	16.28	15.78	764
EX11S53	25Y-72H	7.31	7.55	0.0009	6.19	6.32	502
EX11S54	25Y-72H	5.04	7.46	0.0015	12.76	12.05	1143
EX11S56	25Y-72H	7.31	7.58	0.0009	7.23	7.65	502
EX11S57	25Y-72H	5.15	7.46	0.0011	9.68	9.73	649

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX11S80	25Y-72H	6.39	5.58	0.0030	1.91	4.29	145
EX11S86	25Y-72H	6.27	5.37	0.0047	5.76	5.71	133
EX11S97	25Y-72H	20.61	18.51	0.0001	1.36	1.36	113
EX11S98	25Y-72H	6.31	5.08	0.0093	10.93	10.87	134
EX12S02	25Y-72H	4.92	7.48	0.0088	12.32	12.01	302
EX12S09	25Y-72H	8.09	6.36	0.0090	12.56	12.49	341
EX12S14	25Y-72H	10.32	5.48	0.0055	13.59	15.78	315
EX12S57	25Y-72H	10.11	5.42	0.0003	0.80	0.73	113
EX12S58	25Y-72H	4.93	5.42	0.0010	8.73	12.13	2495
EX12S59	25Y-72H	5.20	5.42	0.0034	14.12	10.70	330
EX12S61	25Y-72H	5.12	5.45	0.0019	1.52	2.19	501
EX12S77	25Y-72H	6.27	5.46	0.0002	0.87	0.80	113
EX12S78	25Y-72H	4.43	5.45	0.0004	1.48	1.14	691
EX12S80	25Y-72H	8.53	6.96	0.0010	5.88	5.76	135
EX13S51	25Y-72H	6.99	5.92	0.0003	3.34	3.25	252
EX13S53	25Y-72H	8.33	5.66	0.0003	7.45	7.37	319
EX13S88	25Y-72H	6.65	5.79	0.0003	2.04	1.95	166
EX13S89	25Y-72H	7.23	5.78	0.0003	1.24	1.15	160
EX13S90	25Y-72H	7.93	5.75	0.0003	1.88	1.81	227
EX13S91	25Y-72H	7.67	5.72	0.0003	6.33	6.24	272
EXCS10S69	25Y-72H	4.93	2.93	0.0036	13.90	13.90	113
EXCS11S102	25Y-72H	7.43	4.89	0.0010	3.01	2.95	113
POND 10E1	25Y-72H	4.93	4.09	0.0001	10.78	10.54	8922
POND 10E2	25Y-72H	4.93	4.03	0.0001	14.01	13.90	6192
POND 10E3	25Y-72H	5.43	4.95	0.0017	77.07	51.24	22883
POND 10E4	25Y-72H	6.43	5.55	0.0003	26.62	20.79	11827
POND 10W7	25Y-72H	5.50	5.12	0.0056	63.83	42.63	46401
POND 11W1	25Y-72H	9.43	5.60	0.0004	74.62	28.03	19259
POND 11W2	25Y-72H	7.43	4.84	0.0002	81.39	61.12	70104
POND 12W1	25Y-72H	6.50	5.41	0.0001	43.00	24.24	49222
POND 12W4	25Y-72H	6.50	5.44	0.0002	47.86	12.65	77764
POND 13E1	25Y-72H	6.50	5.26	0.0002	105.29	72.36	50755
POND 13E3	25Y-72H	6.50	5.36	0.0001	75.00	41.03	94149
PR10S100	25Y-72H	5.50	5.26	0.0003	1.45	1.34	242
PR10S101	25Y-72H	5.50	5.26	0.0003	1.41	1.34	242
PR10S102	25Y-72H	5.50	5.12	0.0002	1.32	1.25	242
PR10S103	25Y-72H	5.50	5.12	0.0002	1.72	1.67	242
PR10S104	25Y-72H	5.50	5.12	0.0010	1.32	1.25	242
PR10S105	25Y-72H	6.00	6.13	0.0025	12.07	11.95	245
PR10S106	25Y-72H	5.50	5.08	0.0022	25.92	25.96	132
PR10S107	25Y-72H	5.50	4.99	0.0022	25.96	26.01	132
PR10S108	25Y-72H	5.50	5.07	0.0367	42.04	13.80	786
PR10S14	25Y-72H	5.93	5.76	0.0002	3.23	3.19	232
PR10S17	25Y-72H	5.93	5.60	0.0004	3.93	3.92	364
PR10S17A	25Y-72H	5.93	5.20	0.0002	3.92	3.92	444
PR10S19A	25Y-72H	7.00	5.46	0.0055	14.32	14.24	113
PR10S21A	25Y-72H	6.50	6.23	0.0012	9.23	9.18	133

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR10S23	25Y-72H	9.30	5.91	0.0028	11.14	13.59	113
PR10S80	25Y-72H	12.00	7.47	0.0001	1.11	1.11	113
PR11S101	25Y-72H	7.30	4.96	0.0764	15.24	87.30	113
PR11S103	25Y-72H	7.00	5.53	0.0021	2.45	1.81	117
PR11S105	25Y-72H	8.00	5.51	0.0029	3.23	3.12	113
PR11S106	25Y-72H	6.00	4.85	0.0018	15.01	14.95	603
PR11S107+A	25Y-72H	6.00	4.88	0.0024	26.97	26.93	876
PR11S107+B	25Y-72H	6.00	2.93	0.0044	13.60	13.60	113
PR11S109	25Y-72H	6.25	5.02	0.0017	28.40	28.36	826
PR11S110	25Y-72H	6.25	5.71	0.0012	32.32	32.29	1154
PR11S111	25Y-72H	6.25	6.18	0.0010	26.69	26.70	1122
PR11S112	25Y-72H	6.25	6.25	0.0011	16.63	16.61	1023
PR11S113	25Y-72H	6.25	6.24	0.0012	19.59	19.52	523
PR11S114	25Y-72H	6.25	6.13	0.0014	17.51	17.43	242
PR11S115	25Y-72H	7.50	7.68	0.0008	6.31	6.19	500
PR11S116	25Y-72H	7.30	7.82	0.0012	7.74	7.23	500
PR11S44	25Y-72H	6.50	5.87	0.0004	7.12	7.05	113
PR11S49A	25Y-72H	5.30	7.16	0.0009	16.16	16.11	126
PR11S52A	25Y-72H	5.10	7.13	0.0007	15.30	15.26	126
PR11S54A	25Y-72H	5.10	7.12	0.0010	15.34	15.31	126
PR11S80A	25Y-72H	6.00	5.58	0.0018	2.02	0.42	113
PR11S95	25Y-72H	9.43	5.39	0.0073	28.03	27.83	784
PR12S101	25Y-72H	7.00	1.53	0.0000	0.00	0.00	113
PR12S69	25Y-72H	7.00	5.45	0.0002	0.93	0.86	113
PR12S69A	25Y-72H	6.34	5.45	0.0003	2.10	2.03	113
PR12S70	25Y-72H	6.34	6.41	0.0011	11.29	11.20	288
PR12S71	25Y-72H	6.00	6.44	0.0007	1.62	1.65	246
PR12S73	25Y-72H	7.23	5.45	0.0002	0.93	0.86	113
PR12S75	25Y-72H	15.96	10.05	0.0002	2.54	2.54	113
PR12S83	25Y-72H	7.55	5.45	0.0002	1.11	1.04	113
PR13S07	25Y-72H	7.98	5.91	0.0011	8.81	8.73	235
PR13S08	25Y-72H	6.00	5.85	0.0007	7.30	7.22	113
PR13S100	25Y-72H	7.81	5.98	0.0010	17.43	17.36	823
PR13S101	25Y-72H	7.81	5.81	0.0029	27.32	15.82	1006
PR13S102	25Y-72H	7.98	5.67	0.0288	23.17	84.22	605
PR13S103	25Y-72H	6.00	5.43	0.0005	2.35	2.27	113
PR13S105	25Y-72H	6.50	5.57	0.0061	56.90	30.23	940
PR13S106	25Y-72H	7.50	5.49	0.0002	6.24	6.16	115
PR13S11	25Y-72H	5.15	5.40	0.0017	49.69	49.39	1434
PR13S12	25Y-72H	8.65	6.46	0.0006	4.83	4.74	242
PR13S17	25Y-72H	9.34	6.05	0.0006	27.73	24.82	582
PR13S19	25Y-72H	12.29	9.22	0.0004	16.32	19.04	654
PR13S21	25Y-72H	11.53	8.30	0.0002	4.39	4.39	113
PR13S22	25Y-72H	20.39	19.01	0.0009	10.71	10.69	242
PR13S24	25Y-72H	19.77	14.63	0.0002	3.96	3.96	113
PR13S27	25Y-72H	26.06	21.17	0.0002	2.72	2.72	113
PR13S48	25Y-72H	5.92	5.29	0.0002	3.03	2.95	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR13S50	25Y-72H	5.74	5.37	0.0001	1.49	1.41	113
PR13S63	25Y-72H	5.96	5.36	0.0012	1.40	0.67	113
PR13S63A	25Y-72H	6.03	5.36	0.0001	0.74	0.67	113
PR13S63B	25Y-72H	5.74	5.36	0.0001	0.68	0.60	113
PRCS10S116	25Y-72H	6.43	5.47	0.0013	20.79	20.78	202
PRCS10S72	25Y-72H	5.43	4.78	0.0008	51.24	51.24	527
PRCS11S100	25Y-72H	7.43	3.66	0.0167	61.12	61.11	802
PRCS12S100 +A	25Y-72H	6.50	5.44	0.0010	0.75	0.02	131
PRCS12S100 +B	25Y-72H	6.50	1.53	0.0000	0.00	0.00	113
PRCS13S104	25Y-72H	6.50	4.50	0.0108	52.95	52.95	618
SWALE 10E1	25Y-72H	5.93	4.76	0.0001	10.17	9.27	8831
SWALE 10W5	25Y-72H	5.50	5.27	0.0003	18.18	17.57	1187
SWALE 10W6	25Y-72H	5.50	5.26	0.0003	35.73	29.51	13224
SWALE 11W2	25Y-72H	6.43	4.90	0.0002	3.84	3.01	1906
SWALE 12W1A	25Y-72H	5.50	5.43	0.0002	17.97	11.26	10594
SWALE 12W1B	25Y-72H	5.50	5.42	0.0001	13.61	8.73	9013
SWALE 12W2	25Y-72H	5.50	5.45	0.0002	1.11	0.33	2170

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX10S09_S18	100Y-1H	0.19	-7.14	0.01	-2.27	-2.27	-2.27
EX10S09_SWA10W5	100Y-1H	12.10	-0.17	0.01	2.47	3.96	3.01
EX10S112_PND10E4	100Y-1H	13.74	0.00	-1.75	4.92	5.57	4.95
EX10S114_PND10E4	100Y-1H	15.63	0.00	-1.00	4.98	5.97	5.18
EX10S117_10GW8	100Y-1H	1.00	0.00	0.00	0.00	0.00	0.00
EX10S117_CGCANALE1	100Y-1H	19.58	-0.73	1.21	6.23	9.27	7.03
EX10S16_S105	100Y-1H	14.94	0.00	-1.10	2.11	2.11	2.11
EX10S18_SWA10W6	100Y-1H	12.04	-0.05	0.00	3.83	4.64	3.83
EX10S21_S19	100Y-1H	0.32	-11.92	-0.19	-1.69	-1.69	-1.69
EX10S21_S21A	100Y-1H	11.10	-1.76	0.05	6.28	6.28	6.28
EX10S22_S24	100Y-1H	15.19	-0.19	-0.62	2.15	2.15	2.15
EX10S24_S25	100Y-1H	20.65	-2.08	1.02	2.92	2.92	2.92
EX10S25_PND10E3	100Y-1H	26.03	-5.09	-0.28	3.68	-4.01	3.75
EX10S27_PND10E3	100Y-1H	75.33	0.00	-55.85	24.07	72.80	42.72
EX10S65_S68	100Y-1H	3.91	-3.60	-3.09	0.24	0.24	0.24
EX10S65_WEIR	100Y-1H	2.85	-3.27	-0.77	-0.95	-0.95	-0.95
EX10S68_WEIR	100Y-1H	3.13	-1.82	-0.78	-0.46	-0.46	-0.46
EX10S76_68	100Y-1H	1.66	0.00	0.15	1.36	1.36	1.36
EX10S77_S76	100Y-1H	0.78	0.00	0.02	2.73	3.82	3.27
EX10S78_PND10E3	100Y-1H	1.72	0.00	-0.02	3.40	11.82	7.56
EX10SA10_S114	100Y-1H	6.14	-1.84	-0.06	1.95	-3.26	1.95
EX10SA10_SA5	100Y-1H	1.14	-2.98	-0.02	-1.69	-1.69	-1.69
EX10SA2_S112	100Y-1H	6.75	-1.03	-0.03	2.15	2.15	2.15
EX10SA5_SA2	100Y-1H	0.41	-1.68	-0.02	-0.54	-0.58	-0.56
EX11S104_SWL11W2	100Y-1H	1.25	-0.07	0.04	-0.43	-0.59	-0.50
EX11S36_PND11W1	100Y-1H	55.98	0.00	33.12	17.82	31.91	21.32
EX11S40_PND11W1	100Y-1H	17.41	0.00	-0.13	6.87	9.35	8.11

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX11S50_S52	100Y-1H	20.43	-0.15	0.76	4.16	4.16	4.16
EX11S52_S49A	100Y-1H	10.92	-0.11	-0.63	6.18	6.18	6.18
EX11S53_S54	100Y-1H	7.37	-0.27	0.78	2.34	2.34	2.34
EX11S54_52A	100Y-1H	11.48	-0.18	-0.70	6.49	6.49	6.49
EX11S54_S52	100Y-1H	2.04	-9.41	-1.93	-1.33	-1.33	-1.33
EX11S56_S57	100Y-1H	8.80	-0.09	-0.44	2.80	2.80	2.80
EX11S57_S54	100Y-1H	2.27	-4.21	-2.01	-0.60	-0.60	-0.60
EX11S57_S54A	100Y-1H	11.54	-1.35	-0.76	6.53	6.53	6.53
EX11S80_S103	100Y-1H	2.27	0.00	-0.01	2.09	3.70	2.86
EX11S86_S98	100Y-1H	6.42	-0.94	0.70	3.63	3.63	3.63
EX11S97_PND11W1	100Y-1H	1.72	0.00	-0.03	3.21	8.76	5.98
EX11S98_PND11W2	100Y-1H	12.81	0.00	-0.08	4.08	5.42	4.25
EX12S02_S09	100Y-1H	15.43	-10.20	0.25	4.91	4.91	4.91
EX12S09_S14	100Y-1H	16.15	0.00	0.32	5.14	5.14	5.14
EX12S14_SWA12W1A	100Y-1H	18.09	0.00	-13.22	6.91	13.49	10.15
EX12S57_SWA12W1B	100Y-1H	2.53	0.00	-2.07	2.85	7.58	5.10
EX12S58_S59	100Y-1H	17.44	-1.51	14.00	0.86	0.86	0.86
EX12S59_PND12W1	100Y-1H	17.69	-0.83	-8.47	0.87	0.87	0.87
EX12S61_PND12W4	100Y-1H	3.49	-0.22	-0.01	1.97	1.97	1.97
EX12S77_SWA12W2	100Y-1H	1.33	0.00	0.14	3.16	2.80	2.98
EX12S78_S61	100Y-1H	2.73	-0.25	-0.02	1.54	1.54	1.54
EX12S80_S70	100Y-1H	8.24	0.00	1.10	5.68	4.66	5.17
EX13S51_S53	100Y-1H	4.25	0.00	-0.01	2.40	2.40	2.40
EX13S53_PND13E3	100Y-1H	9.57	0.00	0.02	5.41	6.34	5.86
EX13S88_S91	100Y-1H	2.56	0.00	-0.02	1.57	1.45	1.45
EX13S89_S90	100Y-1H	1.57	0.00	-0.02	1.80	1.18	1.38
EX13S90_S91	100Y-1H	2.54	0.00	-0.04	1.44	1.44	1.44
EX13S91_S106	100Y-1H	8.32	0.00	0.01	4.71	4.85	4.73
EXCS10S69_CGCANALE1	100Y-1H	4.07	0.00	-0.17	0.45	1.79	1.12
EXCS10S69_WEIR	100Y-1H	3.57	0.00	0.00	1.06	1.06	1.06
EXCS11S102_PND11W2	100Y-1H	5.22	-0.01	0.46	4.85	4.23	4.42
EXCS11S102_	100Y-1H	4.91	0.00	0.00	1.86	1.86	1.86

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
WEIR							
PND12W1_PND13E3	100Y-1H	7.83	-28.58	0.18	-2.27	-2.27	-2.27
PND12W4_PND12W1	100Y-1H	4.34	-23.17	0.16	-3.28	-3.28	-3.28
PND13E3_PND13E1	100Y-1H	13.09	-59.98	0.23	-4.77	-4.77	-4.77
PR10S100_10GW1	100Y-1H	0.60	0.00	0.00	0.00	0.00	0.00
PR10S100_10GW2	100Y-1H	1.20	0.00	0.00	0.00	0.00	0.00
PR10S100_WEIR	100Y-1H	1.86	0.00	0.01	0.84	0.84	0.84
PR10S101_10GW2	100Y-1H	1.20	0.00	0.00	0.00	0.00	0.00
PR10S101_10GW3	100Y-1H	0.60	0.00	0.00	0.00	0.00	0.00
PR10S101_WEIR	100Y-1H	1.86	0.00	0.00	0.90	0.90	0.90
PR10S102_10GW4	100Y-1H	0.55	0.00	0.00	0.00	0.00	0.00
PR10S102_10GW5	100Y-1H	1.09	0.00	0.00	0.00	0.00	0.00
PR10S102_WEIR	100Y-1H	1.70	0.00	0.01	0.82	0.82	0.82
PR10S103_10GW5	100Y-1H	1.09	0.00	0.00	0.00	0.00	0.00
PR10S103_10GW6	100Y-1H	1.09	0.00	0.00	0.00	0.00	0.00
PR10S103_WEIR	100Y-1H	2.23	0.00	0.01	0.84	0.84	0.84
PR10S104_10GW6	100Y-1H	1.09	0.00	0.32	0.00	0.00	0.00
PR10S104_10GW7	100Y-1H	0.55	0.00	0.16	0.00	0.00	0.00
PR10S104_WEIR	100Y-1H	1.70	0.00	0.01	0.59	0.59	0.59
PR10S105_EX10S18	100Y-1H	14.83	0.00	0.06	4.72	4.72	4.72
PR10S106_S107	100Y-1H	22.49	-17.95	-4.95	1.59	1.59	1.59
PR10S106_WEIR	100Y-1H	22.44	-17.75	-1.30	-0.95	-0.95	-0.95
PR10S107_WEIR	100Y-1H	22.54	-18.15	-1.29	-0.84	-0.84	-0.84
PR10S108_PR11S101	100Y-1H	24.11	-42.04	7.82	-5.95	-5.95	-5.95

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR10S108_WEIR	100Y-1H	24.46	-3.08	0.41	2.15	2.15	2.15
PR10S14_S17	100Y-1H	1.97	0.00	-0.01	1.64	2.57	1.93
PR10S17A_WEIR	100Y-1H	2.42	0.00	0.00	1.23	1.23	1.23
PR10S17_S17A	100Y-1H	2.42	0.00	-0.01	2.20	2.70	2.17
PR10S19A_PND10W7	100Y-1H	17.32	-6.29	12.03	6.13	10.77	8.20
PR10S21A_S19A	100Y-1H	10.99	-2.28	-0.09	6.22	6.22	6.22
PR10S23_PND10W7	100Y-1H	22.15	0.00	7.06	12.53	41.80	25.13
PR10S80_PND10E2	100Y-1H	1.41	0.00	0.02	3.21	21.22	12.21
PR11S101_PND11W2	100Y-1H	45.26	-2.93	2.01	6.40	6.40	6.40
PR11S103_S105	100Y-1H	1.77	-0.44	-0.05	1.40	1.23	1.32
PR11S105_S86	100Y-1H	3.27	-3.23	0.19	-1.90	-4.11	-3.01
PR11S106_PND11W2	100Y-1H	29.65	-13.59	-2.06	3.08	3.08	3.08
PR11S107_CGCANALE2	100Y-1H	8.92	0.00	-3.34	4.69	4.04	4.36
PR11S107_S106	100Y-1H	29.85	-13.62	-3.09	3.10	3.10	3.10
PR11S107_WEIR	100Y-1H	8.92	0.00	-0.03	2.86	2.86	2.86
PR11S109_11GW4	100Y-1H	1.73	0.00	0.00	0.00	0.00	0.00
PR11S109_S107	100Y-1H	31.03	-8.68	-4.21	3.22	3.22	3.22
PR11S110_11GW4	100Y-1H	2.19	0.00	0.00	0.00	0.00	0.00
PR11S110_11GW5	100Y-1H	2.45	0.00	0.00	0.00	0.00	0.00
PR11S110_S109	100Y-1H	32.61	-7.24	-2.08	4.61	4.70	4.61
PR11S111_11GW5	100Y-1H	2.87	0.00	0.00	0.00	0.00	0.00
PR11S111_11GW6	100Y-1H	2.39	0.00	0.00	0.00	0.00	0.00
PR11S111_S110	100Y-1H	24.39	-5.15	-1.99	3.45	3.45	3.45
PR11S112_11GW6	100Y-1H	2.43	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR11S112_11GW7	100Y-1H	2.43	0.00	0.00	0.00	0.00	0.00
PR11S112_S111	100Y-1H	8.87	-4.23	-1.92	1.26	1.26	1.26
PR11S113_11GW7	100Y-1H	2.41	0.00	0.00	0.00	0.00	0.00
PR11S113_S112	100Y-1H	4.92	-8.30	-1.92	-1.17	-1.17	-1.17
PR11S113_S114	100Y-1H	24.18	-7.08	-3.15	3.42	3.42	3.42
PR11S114_PR13S100	100Y-1H	23.96	-7.06	2.21	3.39	3.39	3.39
PR11S115_S53	100Y-1H	7.64	-0.04	-0.19	4.32	4.32	4.32
PR11S116_S56	100Y-1H	9.26	-0.04	-0.08	5.24	5.24	5.24
PR11S44_S110	100Y-1H	8.80	-0.09	-1.60	5.48	8.48	6.98
PR11S49A_S111	100Y-1H	19.26	-0.10	2.88	10.90	10.90	10.90
PR11S52A_S112	100Y-1H	18.39	-0.22	-0.68	10.41	10.41	10.41
PR11S54A_S113	100Y-1H	18.54	-1.25	-1.93	10.49	10.49	10.49
PR11S80A_S80	100Y-1H	0.42	-2.02	0.07	-1.80	-3.57	-2.69
PR11S95_PND11W2	100Y-1H	30.45	0.00	1.91	4.31	4.31	4.31
PR11S95_WEIR	100Y-1H	32.00	0.00	-0.01	2.55	2.55	2.55
PR12S101_C4CANALW	100Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
PR12S69A_PND12W4	100Y-1H	3.46	0.00	0.48	4.21	6.40	5.13
PR12S69_PND12W4	100Y-1H	1.49	0.00	0.21	3.26	4.61	3.81
PR12S70_PND12W4	100Y-1H	14.04	0.00	-0.08	7.95	8.25	8.10
PR12S71_S70	100Y-1H	1.97	-0.65	-0.21	1.12	-2.58	-1.52
PR12S73_PND12W4	100Y-1H	1.18	0.00	0.06	3.05	6.15	4.60
PR12S75_PND12W4	100Y-1H	3.21	0.00	0.02	4.11	13.66	8.88
PR12S83_PND12W4	100Y-1H	1.80	0.00	0.25	3.44	5.21	4.21
PR13S07_S102	100Y-1H	14.94	0.00	4.32	8.45	10.29	8.57

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR13S08_S105	100Y-1H	9.02	0.00	-0.59	5.10	5.92	5.34
PR13S100_13GW1	100Y-1H	1.69	0.00	0.00	0.00	0.00	0.00
PR13S100_S101	100Y-1H	22.28	-7.82	-0.76	3.15	3.15	3.15
PR13S101_13GW1	100Y-1H	1.53	0.00	0.00	0.00	0.00	0.00
PR13S101_S102	100Y-1H	20.70	-27.32	1.39	-3.87	-6.66	-5.27
PR13S102_S105	100Y-1H	56.90	-8.73	-4.02	5.92	8.23	7.07
PR13S103_S11	100Y-1H	2.77	-0.03	-0.41	2.58	3.83	3.18
PR13S105_S11	100Y-1H	40.55	-8.70	-4.00	3.23	3.23	3.23
PR13S106_PND13E3	100Y-1H	8.38	0.00	-0.69	5.83	6.85	6.34
PR13S11_PND13E1	100Y-1H	61.48	-8.66	3.38	3.87	3.87	3.87
PR13S12_S07	100Y-1H	6.31	0.00	0.01	3.57	3.57	3.57
PR13S17_PND13E1	100Y-1H	31.96	0.00	-5.71	7.50	8.14	7.82
PR13S19_S17	100Y-1H	22.46	0.00	-3.51	7.35	8.18	7.69
PR13S21_PND13E3	100Y-1H	5.57	0.00	0.07	4.96	14.87	9.92
PR13S22_S19	100Y-1H	19.98	0.00	8.73	11.31	16.90	13.27
PR13S24_PND13E3	100Y-1H	5.02	0.00	0.07	4.77	18.78	11.78
PR13S27_PND13E3	100Y-1H	3.45	0.00	-0.02	4.20	19.62	11.91
PR13S48_PND13E1	100Y-1H	3.64	-0.02	-0.01	2.18	3.61	2.73
PR13S50_PND13E3	100Y-1H	1.75	-0.01	0.03	1.54	1.55	1.55
PR13S63A_PND13E3	100Y-1H	0.81	0.00	-0.01	1.48	2.10	1.67
PR13S63B_PND13E3	100Y-1H	0.73	-0.01	-0.01	0.90	0.73	0.81
PR13S63_PND13E3	100Y-1H	0.80	-0.01	-0.01	1.51	1.43	1.46
PRCS10S116_10GW8	100Y-1H	2.13	0.00	0.00	0.00	0.00	0.00
PRCS10S116_S117	100Y-1H	20.58	-0.52	0.52	6.55	6.55	6.55
PRCS10S116_WEIR	100Y-1H	22.72	0.00	0.01	2.03	2.03	2.03

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PRCS10S72_CGCANALE1	100Y-1H	47.19	0.00	-0.05	4.90	7.64	6.27
PRCS10S72_WEIR	100Y-1H	47.19	0.00	0.03	2.18	2.18	2.18
PRCS11S100_CGCANALE2	100Y-1H	42.99	-0.01	-2.93	3.42	3.42	3.42
PRCS11S100_WEIR	100Y-1H	42.99	0.00	0.02	2.87	2.87	2.87
PRCS12S100+A_WEIR	100Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
PRCS12S100+B_WEIR	100Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
PRCS12S100_S101	100Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
PRCS13S104_CGCANALE3	100Y-1H	24.27	0.00	-1.61	3.43	3.43	3.43
PRCS13S104_WEIR	100Y-1H	24.27	0.00	0.01	2.37	2.37	2.37
SWA10E1_PND10E1	100Y-1H	3.29	0.00	0.00	1.55	0.28	0.92
SWA10W5_SWA10W6	100Y-1H	20.06	-0.84	-0.18	1.63	2.84	2.13
SWA10W6_PND10W7	100Y-1H	35.82	-1.39	-0.02	1.60	4.11	2.73
SWA12W1A_SWA12W1B	100Y-1H	16.07	0.00	0.01	0.86	1.66	1.21
SWA12W1B_EX12S58	100Y-1H	17.03	0.00	0.10	1.25	4.24	2.74
SWA12W2_EX12S78	100Y-1H	1.08	-0.33	-0.01	0.54	1.86	1.20
EX10S09_S18	100Y-24H	0.02	-1.17	0.07	0.39	-0.37	-0.37
EX10S09_SWA10W5	100Y-24H	2.04	0.00	0.06	0.94	2.30	1.58
EX10S112_PND10E4	100Y-24H	2.48	0.00	0.11	2.13	1.50	1.66
EX10S114_PND10E4	100Y-24H	2.72	0.00	0.12	3.00	4.05	3.52
EX10S117_10GW8	100Y-24H	0.47	-0.55	-0.04	0.00	0.00	0.00
EX10S117_CGCANALE1	100Y-24H	7.80	-1.31	-1.90	4.75	9.12	6.94
EX10S16_S105	100Y-24H	2.92	-4.45	-4.45	-0.63	-0.63	-0.63
EX10S18_SWA10W6	100Y-24H	2.26	-0.03	0.03	0.95	2.32	1.60
EX10S21_S19	100Y-24H	0.32	-2.43	-0.65	1.05	0.40	0.73
EX10S21_S21	100Y-24H	2.25	-0.78	0.42	1.28	-2.72	-1.85

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
A							
EX10S22_S24	100Y-24H	2.63	-0.18	0.65	0.41	-1.69	-1.02
EX10S24_S25	100Y-24H	3.59	-0.85	-0.20	-0.92	-2.50	-1.71
EX10S25_PND10E3	100Y-24H	4.52	-5.09	0.26	-1.57	-4.01	-2.79
EX10S27_PND10E3	100Y-24H	3.93	0.00	0.03	4.05	25.43	14.74
EX10S65_S68	100Y-24H	4.23	-0.41	-3.51	0.26	0.26	0.26
EX10S65_WEIR	100Y-24H	2.70	-0.26	-0.74	0.11	0.11	0.11
EX10S68_WEIR	100Y-24H	2.96	-0.18	-0.78	0.12	0.12	0.12
EX10S76_68	100Y-24H	0.35	0.00	-0.24	0.28	0.28	0.28
EX10S77_S76	100Y-24H	0.14	0.00	0.01	1.72	2.25	1.98
EX10S78_PND10E3	100Y-24H	0.30	0.00	0.01	2.11	0.68	1.14
EX10SA10_S114	100Y-24H	1.06	-0.23	0.14	0.64	-1.89	-0.98
EX10SA10_SA5	100Y-24H	0.22	-0.62	0.05	-0.35	-0.35	-0.35
EX10SA2_S112	100Y-24H	1.26	-0.19	-0.23	0.40	0.40	0.40
EX10SA5_SA2	100Y-24H	0.06	-0.51	-0.06	-0.16	-0.16	-0.16
EX11S104_SWL11W2	100Y-24H	1.57	-0.02	0.78	0.59	0.60	0.59
EX11S36_PND11W1	100Y-24H	5.22	0.00	0.03	4.41	14.43	9.42
EX11S40_PND11W1	100Y-24H	3.00	0.00	0.03	3.75	4.85	4.01
EX11S50_S52	100Y-24H	3.59	-0.07	1.29	0.88	0.73	0.73
EX11S52_S49A	100Y-24H	2.74	-0.40	0.63	1.55	1.55	1.55
EX11S53_S54	100Y-24H	1.40	-0.08	0.94	0.44	0.44	0.44
EX11S54_52A	100Y-24H	2.19	-0.18	0.77	1.24	1.24	1.24
EX11S54_S52	100Y-24H	1.76	-1.85	-1.65	-0.26	-0.26	-0.26
EX11S56_S57	100Y-24H	1.69	-0.09	0.85	0.54	0.54	0.54
EX11S57_S54	100Y-24H	2.15	-1.33	2.13	0.30	0.30	0.30
EX11S57_S54A	100Y-24H	1.72	-1.01	-0.81	0.97	0.97	0.97
EX11S80_S103	100Y-24H	2.27	0.00	0.06	2.09	3.70	2.86
EX11S86_S98	100Y-24H	2.49	-0.94	0.70	2.35	3.56	2.90
EX11S97_PND11W1	100Y-24H	0.30	0.00	-0.01	2.02	0.86	1.23
EX11S98_PND11W2	100Y-24H	9.74	0.00	-0.08	3.10	5.42	4.25
EX12S02_S09	100Y-24H	2.68	-10.20	0.25	-3.25	-3.78	-3.51

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX12S09_S14	100Y-24H	2.80	0.00	0.19	0.92	0.89	0.90
EX12S14_SW A12W1A	100Y-24H	8.37	0.00	-8.27	3.46	7.20	5.15
EX12S57_SW A12W1B	100Y-24H	0.58	-0.82	-0.51	1.40	-0.44	0.73
EX12S58_S59	100Y-24H	7.54	-0.72	-7.24	0.37	0.37	0.37
EX12S59_PN D12W1	100Y-24H	7.02	-0.53	5.67	0.35	0.35	0.35
EX12S61_PN D12W4	100Y-24H	0.52	0.00	0.03	0.30	0.30	0.30
EX12S77_SW A12W2	100Y-24H	0.18	-0.73	-0.39	1.16	0.54	0.85
EX12S78_S61	100Y-24H	0.38	0.00	-0.04	0.22	0.22	0.22
EX12S80_S70	100Y-24H	1.77	0.00	0.25	3.43	1.45	2.21
EX13S51_S53	100Y-24H	0.72	0.00	-0.16	1.78	0.74	1.26
EX13S53_PN D13E3	100Y-24H	1.64	0.00	0.03	1.66	2.37	1.89
EX13S88_S91	100Y-24H	0.45	0.00	0.04	1.27	0.72	1.00
EX13S89_S90	100Y-24H	0.27	0.00	0.04	1.31	0.77	1.04
EX13S90_S91	100Y-24H	0.43	0.00	0.06	1.23	0.92	1.07
EX13S91_S10 6	100Y-24H	1.42	0.00	-0.07	2.35	2.50	2.32
EXCS10S69_C GCANALE1	100Y-24H	4.07	0.00	-0.17	0.45	1.79	1.12
EXCS10S69_ WEIR	100Y-24H	3.35	0.00	0.00	1.04	1.04	1.04
EXCS11S102_ PND11W2	100Y-24H	0.83	-0.02	0.16	1.84	0.52	1.18
EXCS11S102_ WEIR	100Y-24H	0.83	0.00	0.00	1.02	1.02	1.02
PND12W1_PN D13E3	100Y-24H	13.14	-4.56	0.18	1.05	1.05	1.05
PND12W4_PN D12W1	100Y-24H	6.58	-3.73	-0.09	0.93	0.93	0.93
PND13E3_PN D13E1	100Y-24H	21.87	-7.66	0.23	1.74	1.74	1.74
PR10S100_10 GW1	100Y-24H	0.30	0.00	0.00	0.00	0.00	0.00
PR10S100_10 GW2	100Y-24H	0.61	0.00	0.00	0.00	0.00	0.00
PR10S100_W EIR	100Y-24H	0.96	0.00	-0.03	0.67	0.67	0.67
PR10S101_10 GW2	100Y-24H	0.61	0.00	0.00	0.00	0.00	0.00
PR10S101_10 GW3	100Y-24H	0.30	0.00	0.00	0.00	0.00	0.00
PR10S101_W	100Y-24H	0.92	0.00	0.00	0.67	0.67	0.67

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EIR							
PR10S102_10GW4	100Y-24H	0.29	0.00	0.00	0.00	0.00	0.00
PR10S102_10GW5	100Y-24H	0.58	-0.01	-0.01	0.00	0.00	0.00
PR10S102_WEIR	100Y-24H	0.88	0.00	0.00	0.48	0.48	0.48
PR10S103_10GW5	100Y-24H	0.58	-0.01	-0.01	0.00	0.00	0.00
PR10S103_10GW6	100Y-24H	0.58	-0.01	-0.01	0.00	0.00	0.00
PR10S103_WEIR	100Y-24H	1.17	0.00	0.00	0.64	0.64	0.64
PR10S104_10GW6	100Y-24H	0.58	0.00	0.32	0.00	0.00	0.00
PR10S104_10GW7	100Y-24H	0.29	0.00	0.16	0.00	0.00	0.00
PR10S104_WEIR	100Y-24H	0.88	0.00	0.00	0.48	0.48	0.48
PR10S105_EX10S18	100Y-24H	2.66	0.00	0.09	0.98	2.17	1.44
PR10S106_S107	100Y-24H	12.77	-5.29	5.14	0.90	0.90	0.90
PR10S106_WEIR	100Y-24H	12.76	-3.21	1.40	-0.66	-0.66	-0.66
PR10S107_WEIR	100Y-24H	12.77	-3.24	1.40	-0.55	-0.55	-0.55
PR10S108_PR11S101	100Y-24H	10.03	-42.04	7.82	-5.95	-5.95	-5.95
PR10S108_WEIR	100Y-24H	4.70	-2.81	-0.59	1.37	1.37	1.37
PR10S14_S17	100Y-24H	0.65	-0.10	-0.24	0.64	0.76	0.64
PR10S17A_WEIR	100Y-24H	0.80	0.00	0.00	0.85	0.85	0.85
PR10S17_S17A	100Y-24H	0.80	0.00	0.07	0.84	0.79	0.49
PR10S19A_PND10W7	100Y-24H	4.66	-6.29	-4.57	-2.29	-4.67	-3.48
PR10S21A_S19A	100Y-24H	2.25	-1.97	-0.59	-1.76	-3.35	-2.54
PR10S23_PND10W7	100Y-24H	2.43	0.00	-0.02	3.77	20.31	12.04
PR10S80_PND10E2	100Y-24H	0.24	0.00	-0.01	2.00	0.44	1.08
PR11S101_PND11W2	100Y-24H	45.26	-2.92	2.00	6.40	6.40	6.40
PR11S103_S1	100Y-24H	1.15	-0.44	-0.18	1.40	1.23	1.32

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
05							
PR11S105_S86	100Y-24H	1.47	-3.23	0.19	-1.90	-4.11	-3.01
PR11S106_PND11W2	100Y-24H	4.42	-4.50	-2.07	-0.47	-0.47	-0.47
PR11S107_CGCANALE2	100Y-24H	5.87	0.00	-1.77	2.75	2.73	2.74
PR11S107_S106	100Y-24H	4.43	-4.47	-3.16	-0.51	-0.56	-0.53
PR11S107_WEIR	100Y-24H	3.79	0.00	-0.02	2.15	2.15	2.15
PR11S109_11GW4	100Y-24H	1.03	0.00	0.00	0.00	0.00	0.00
PR11S109_S107	100Y-24H	7.90	-4.47	-4.05	0.82	0.82	0.82
PR11S110_11GW4	100Y-24H	1.06	0.00	0.00	0.00	0.00	0.00
PR11S110_11GW5	100Y-24H	1.19	0.00	0.00	0.00	0.00	0.00
PR11S110_S109	100Y-24H	8.89	-3.91	-2.07	1.26	1.26	1.26
PR11S111_11GW5	100Y-24H	1.23	0.00	0.00	0.00	0.00	0.00
PR11S111_11GW6	100Y-24H	1.03	0.00	0.00	0.00	0.00	0.00
PR11S111_S110	100Y-24H	8.88	-3.58	-1.88	1.26	1.26	1.26
PR11S112_11GW6	100Y-24H	1.05	0.00	0.00	0.00	0.00	0.00
PR11S112_11GW7	100Y-24H	1.05	0.00	0.00	0.00	0.00	0.00
PR11S112_S111	100Y-24H	6.71	-3.02	-2.05	0.95	0.95	0.95
PR11S113_11GW7	100Y-24H	1.06	0.00	0.00	0.00	0.00	0.00
PR11S113_S112	100Y-24H	5.82	-3.55	-1.67	0.82	0.82	0.82
PR11S113_S114	100Y-24H	5.14	-5.86	3.21	-0.83	-0.83	-0.83
PR11S114_PR13S100	100Y-24H	5.12	-5.85	-2.41	1.11	-1.32	-1.20
PR11S115_S53	100Y-24H	1.38	-0.04	0.29	0.78	0.78	0.78
PR11S116_S56	100Y-24H	1.69	-0.04	-0.33	0.96	0.96	0.96
PR11S44_S110	100Y-24H	1.56	-0.02	0.78	2.76	4.65	3.71

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR11S49A_S111	100Y-24H	4.35	-0.28	0.66	2.46	2.46	2.46
PR11S52A_S112	100Y-24H	3.54	-0.22	-0.34	2.00	2.00	2.00
PR11S54A_S113	100Y-24H	3.08	-0.96	0.72	1.74	1.74	1.74
PR11S80A_S80	100Y-24H	0.42	-2.02	0.07	-1.80	-3.57	-2.69
PR11S95_PND11W2	100Y-24H	9.96	0.00	1.91	1.41	1.41	1.41
PR11S95_WEIR	100Y-24H	10.14	0.00	-0.01	1.77	1.77	1.77
PR12S101_C4CANALW	100Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
PR12S69A_PND12W4	100Y-24H	0.71	0.00	0.44	1.97	1.29	1.47
PR12S69_PND12W4	100Y-24H	0.20	0.00	0.03	1.50	0.74	0.78
PR12S70_PND12W4	100Y-24H	2.69	0.00	0.14	2.90	3.21	2.89
PR12S71_S70	100Y-24H	0.37	0.00	-0.07	1.63	0.26	0.91
PR12S73_PND12W4	100Y-24H	0.23	0.00	0.09	1.76	0.74	0.92
PR12S75_PND12W4	100Y-24H	0.55	0.00	-0.01	2.48	0.82	1.40
PR12S83_PND12W4	100Y-24H	0.43	0.00	0.21	1.64	0.82	0.87
PR13S07_S102	100Y-24H	1.96	0.00	0.21	3.38	5.52	4.45
PR13S08_S105	100Y-24H	1.64	-0.22	-0.48	1.83	2.39	2.04
PR13S100_13GW1	100Y-24H	0.84	0.00	0.00	0.00	0.00	0.00
PR13S100_S101	100Y-24H	4.69	-6.42	-1.66	-1.61	-1.89	-1.75
PR13S101_13GW1	100Y-24H	0.85	0.00	0.00	0.00	0.00	0.00
PR13S101_S102	100Y-24H	4.27	-27.32	-1.63	-3.87	-6.66	-5.27
PR13S102_S105	100Y-24H	56.90	-6.30	-4.96	5.92	8.23	7.07
PR13S103_S11	100Y-24H	0.71	-0.18	0.53	1.17	1.77	1.43
PR13S105_S11	100Y-24H	20.84	-6.55	4.40	2.52	2.66	2.59
PR13S106_PND13E3	100Y-24H	1.42	0.00	0.08	2.63	2.97	2.63

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR13S11_PND13E1	100Y-24H	16.47	-6.10	3.59	1.51	1.50	1.50
PR13S12_S07	100Y-24H	1.05	0.00	0.00	1.83	1.55	1.64
PR13S17_PND13E1	100Y-24H	5.45	0.00	0.42	3.58	3.66	3.34
PR13S19_S17	100Y-24H	3.57	0.00	-0.03	3.94	4.90	4.42
PR13S21_PND13E3	100Y-24H	0.96	0.00	-0.02	2.88	0.98	1.71
PR13S22_S19	100Y-24H	2.34	0.00	-0.02	3.72	7.30	5.51
PR13S24_PND13E3	100Y-24H	0.86	0.00	-0.02	2.80	0.80	1.65
PR13S27_PND13E3	100Y-24H	0.59	0.00	0.01	2.53	0.66	1.43
PR13S48_PND13E1	100Y-24H	0.74	-0.02	0.20	0.63	0.45	0.54
PR13S50_PND13E3	100Y-24H	0.32	-0.01	0.07	0.18	0.18	0.18
PR13S63A_PND13E3	100Y-24H	0.16	0.00	0.04	0.47	0.21	0.33
PR13S63B_PND13E3	100Y-24H	0.40	-0.01	0.21	0.23	0.23	0.23
PR13S63_PND13E3	100Y-24H	0.16	-0.01	0.04	0.26	0.13	0.19
PRCS10S116_10GW8	100Y-24H	0.47	-0.55	-0.06	0.00	0.00	0.00
PRCS10S116_S117	100Y-24H	6.02	-0.84	0.79	1.92	1.92	1.92
PRCS10S116_WEIR	100Y-24H	5.88	0.00	0.00	1.34	1.34	1.34
PRCS10S72_CGCANALE1	100Y-24H	22.26	0.00	-0.07	2.31	5.92	4.12
PRCS10S72_WEIR	100Y-24H	22.26	0.00	0.00	1.95	1.95	1.95
PRCS11S100_CGCANALE2	100Y-24H	19.13	-0.01	-2.93	1.52	1.52	1.52
PRCS11S100_WEIR	100Y-24H	17.53	0.00	0.00	2.13	2.13	2.13
PRCS12S100+A_WEIR	100Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
PRCS12S100+B_WEIR	100Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
PRCS12S100_S101	100Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
PRCS13S104_CGCANALE3	100Y-24H	30.68	0.00	-1.61	4.34	4.34	4.34
PRCS13S104_WEIR	100Y-24H	30.68	0.00	0.00	2.56	2.56	2.56

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
SWA10E1_PND10E1	100Y-24H	2.11	0.00	0.00	1.18	0.16	0.67
SWA10W5_SWA10W6	100Y-24H	3.19	-0.44	0.43	-0.35	-1.15	-0.67
SWA10W6_PND10W7	100Y-24H	6.31	-0.76	-0.01	0.53	-1.29	-0.76
SWA12W1A_SWA12W1B	100Y-24H	3.21	0.00	-0.02	0.30	0.43	0.35
SWA12W1B_EX12S58	100Y-24H	3.40	0.00	0.11	0.46	2.09	1.27
SWA12W2_EX12S78	100Y-24H	0.22	-0.03	0.10	0.14	0.26	0.19
EX10S09_S18	100Y-8H	0.03	-3.81	0.04	-1.21	-1.21	-1.21
EX10S09_SWA10W5	100Y-8H	6.43	-0.01	0.06	1.31	2.82	1.98
EX10S112_PND10E4	100Y-8H	7.30	0.00	0.08	3.02	3.01	2.98
EX10S114_PND10E4	100Y-8H	8.27	0.00	0.75	3.78	5.16	4.47
EX10S117_10GW8	100Y-8H	0.34	-0.70	-0.08	0.00	0.00	0.00
EX10S117_CGCANALE1	100Y-8H	16.32	-0.93	-1.63	5.19	9.58	7.27
EX10S16_S105	100Y-8H	7.97	-0.01	-2.53	1.13	1.13	1.13
EX10S18_SWA10W6	100Y-8H	6.42	-0.05	-0.01	2.04	2.88	2.04
EX10S21_S19	100Y-8H	0.32	-6.74	-0.83	1.05	-0.95	-0.95
EX10S21_S21A	100Y-8H	6.72	-0.78	0.18	3.80	3.80	3.80
EX10S22_S24	100Y-8H	7.88	-0.18	-0.22	1.12	-1.69	1.12
EX10S24_S25	100Y-8H	10.74	-0.85	0.23	1.52	-2.50	-1.71
EX10S25_PND10E3	100Y-8H	13.55	-5.09	0.11	1.92	-4.01	-2.79
EX10S27_PND10E3	100Y-8H	11.80	0.00	-0.07	5.80	35.34	20.57
EX10S65_S68	100Y-8H	7.84	-1.24	-6.31	0.48	0.48	0.48
EX10S65_WEIR	100Y-8H	6.63	-1.06	1.01	-0.42	-0.42	-0.42
EX10S68_WEIR	100Y-8H	7.36	-0.48	1.00	-0.34	-0.34	-0.34
EX10S76_68	100Y-8H	0.93	0.00	-0.22	0.76	0.76	0.76
EX10S77_S76	100Y-8H	0.41	0.00	0.01	2.29	3.14	2.71
EX10S78_PND10E3	100Y-8H	0.89	0.00	-0.02	2.83	0.83	1.67
EX10SA10_S114	100Y-8H	3.28	-0.66	-0.08	1.04	-2.48	-1.34

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX10SA10_SA5	100Y-8H	0.48	-1.58	0.05	-0.90	-0.90	-0.90
EX10SA2_S112	100Y-8H	3.61	-0.31	0.15	1.15	1.15	1.15
EX10SA5_SA2	100Y-8H	0.09	-0.72	-0.12	-0.23	-0.23	-0.23
EX11S104_SWL11W2	100Y-8H	0.63	-0.02	0.07	0.20	0.20	0.20
EX11S36_PND11W1	100Y-8H	15.65	0.00	-0.20	6.53	19.85	13.19
EX11S40_PND11W1	100Y-8H	9.00	0.00	-0.07	5.26	7.61	6.31
EX11S50_S52	100Y-8H	10.72	-0.08	0.98	2.18	2.18	2.18
EX11S52_S49A	100Y-8H	6.30	-0.34	-0.66	3.56	3.56	3.56
EX11S53_S54	100Y-8H	4.08	-0.25	0.95	1.30	1.30	1.30
EX11S54_52A	100Y-8H	6.61	-0.18	-0.70	3.74	3.74	3.74
EX11S54_S52	100Y-8H	2.37	-4.41	1.96	-0.62	-0.62	-0.62
EX11S56_S57	100Y-8H	5.01	-0.09	-0.78	1.60	1.60	1.60
EX11S57_S54	100Y-8H	2.56	-1.82	2.03	0.36	0.36	0.36
EX11S57_S54A	100Y-8H	6.63	-1.52	-0.79	3.75	3.75	3.75
EX11S80_S103	100Y-8H	2.27	0.00	0.03	2.09	3.70	2.86
EX11S86_S98	100Y-8H	3.86	-0.94	0.70	2.35	3.56	2.90
EX11S97_PND11W1	100Y-8H	0.89	0.00	-0.01	2.69	5.26	3.65
EX11S98_PND11W2	100Y-8H	9.74	0.00	-0.08	3.10	5.42	4.25
EX12S02_S09	100Y-8H	7.99	-10.20	0.25	-3.25	-3.78	-3.51
EX12S09_S14	100Y-8H	8.97	0.00	0.44	2.85	2.86	2.86
EX12S14_SWA12W1A	100Y-8H	17.59	0.00	-13.99	6.91	13.42	10.16
EX12S57_SWA12W1B	100Y-8H	1.90	0.00	-1.72	1.82	0.86	1.34
EX12S58_S59	100Y-8H	12.12	-0.91	10.94	0.60	0.60	0.60
EX12S59_PND12W1	100Y-8H	10.32	-0.59	-7.87	0.51	0.51	0.51
EX12S61_PND12W4	100Y-8H	1.04	0.00	-0.01	0.59	0.59	0.59
EX12S77_SWA12W2	100Y-8H	0.51	0.00	-0.03	1.57	0.98	1.25
EX12S78_S61	100Y-8H	0.70	0.00	-0.01	0.40	0.40	0.40
EX12S80_S70	100Y-8H	5.18	0.00	0.72	4.83	2.93	3.88
EX13S51_S53	100Y-8H	2.14	0.00	-0.01	2.29	1.21	1.61
EX13S53_PND13E3	100Y-8H	4.85	0.00	0.01	2.75	3.12	2.75
EX13S88_S91	100Y-8H	1.29	0.00	-0.03	1.51	0.99	1.25

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX13S89_S90	100Y-8H	0.76	0.00	0.03	1.73	0.87	1.30
EX13S90_S91	100Y-8H	1.21	0.00	-0.04	1.31	0.99	1.13
EX13S91_S106	100Y-8H	4.15	0.00	0.06	3.13	3.29	3.17
EXCS10S69_CGCANALE1	100Y-8H	8.84	-0.01	-0.17	0.92	3.48	2.20
EXCS10S69_WEIR	100Y-8H	8.84	0.00	0.00	1.43	1.43	1.43
EXCS11S102_PND11W2	100Y-8H	2.24	-0.03	-0.09	2.50	1.27	1.77
EXCS11S102_WEIR	100Y-8H	2.25	0.00	0.00	1.43	1.43	1.43
PND12W1_PND13E3	100Y-8H	19.67	-17.80	0.18	1.57	1.57	1.57
PND12W4_PND12W1	100Y-8H	10.22	-14.61	-0.09	-2.07	-2.07	-2.07
PND13E3_PND13E1	100Y-8H	33.37	-33.52	0.23	-2.67	-2.67	-2.67
PR10S100_10GW1	100Y-8H	0.41	0.00	0.00	0.00	0.00	0.00
PR10S100_10GW2	100Y-8H	0.82	0.00	0.00	0.00	0.00	0.00
PR10S100_WEIR	100Y-8H	1.28	0.00	-0.03	0.70	0.70	0.70
PR10S101_10GW2	100Y-8H	0.82	0.00	0.00	0.00	0.00	0.00
PR10S101_10GW3	100Y-8H	0.41	0.00	0.00	0.00	0.00	0.00
PR10S101_WEIR	100Y-8H	1.27	0.00	0.00	0.73	0.73	0.73
PR10S102_10GW4	100Y-8H	0.38	-0.01	-0.01	0.00	0.00	0.00
PR10S102_10GW5	100Y-8H	0.76	-0.02	-0.02	0.00	0.00	0.00
PR10S102_WEIR	100Y-8H	1.18	0.00	0.01	0.65	0.65	0.65
PR10S103_10GW5	100Y-8H	0.76	-0.02	-0.02	0.00	0.00	0.00
PR10S103_10GW6	100Y-8H	0.76	-0.02	-0.02	0.00	0.00	0.00
PR10S103_WEIR	100Y-8H	1.56	0.00	0.01	0.69	0.69	0.69
PR10S104_10GW6	100Y-8H	0.76	0.00	0.32	0.00	0.00	0.00
PR10S104_10GW7	100Y-8H	0.38	0.00	0.16	0.00	0.00	0.00
PR10S104_W	100Y-8H	1.18	0.00	0.01	0.50	0.50	0.50

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EIR							
PR10S105_EX10S18	100Y-8H	7.95	0.00	-0.02	2.53	2.86	2.53
PR10S106_S107	100Y-8H	23.17	-6.33	5.41	1.64	1.64	1.64
PR10S106_WEIR	100Y-8H	23.15	-6.31	-1.23	-0.71	-0.71	-0.71
PR10S107_WEIR	100Y-8H	23.20	-6.35	-1.26	-0.62	-0.62	-0.62
PR10S108_PR11S101	100Y-8H	12.00	-42.04	7.82	-5.95	-5.95	-5.95
PR10S108_WEIR	100Y-8H	12.04	-3.75	0.40	1.83	1.83	1.83
PR10S14_S17	100Y-8H	1.80	0.00	-0.04	1.02	1.22	1.02
PR10S17A_WEIR	100Y-8H	2.21	0.00	0.00	1.20	1.20	1.20
PR10S17_S17A	100Y-8H	2.21	0.00	-0.04	1.40	1.66	1.28
PR10S19A_PND10W7	100Y-8H	10.11	-6.29	-7.73	3.24	-4.67	-3.48
PR10S21A_S19A	100Y-8H	6.69	-1.97	-0.35	3.79	3.79	3.79
PR10S23_PND10W7	100Y-8H	11.04	0.00	3.91	6.91	27.95	16.72
PR10S80_PND10E2	100Y-8H	0.73	0.00	-0.02	2.69	0.69	1.61
PR11S101_PND11W2	100Y-8H	45.26	-3.44	2.02	6.40	6.40	6.40
PR11S103_S105	100Y-8H	1.21	-0.44	-0.05	1.40	1.23	1.32
PR11S105_S86	100Y-8H	2.11	-3.23	0.19	-1.90	-4.11	-3.01
PR11S106_PND11W2	100Y-8H	8.35	-3.99	-2.15	0.87	0.87	0.87
PR11S107_CGCANALE2	100Y-8H	10.82	0.00	4.12	4.96	4.52	4.67
PR11S107_S106	100Y-8H	8.40	-4.14	-3.18	0.87	0.87	0.87
PR11S107_WEIR	100Y-8H	10.83	0.00	0.02	3.05	3.05	3.05
PR11S109_11GW4	100Y-8H	1.26	0.00	0.00	0.00	0.00	0.00
PR11S109_S107	100Y-8H	16.55	-4.97	4.14	1.72	1.72	1.72
PR11S110_11GW4	100Y-8H	1.43	0.00	0.00	0.00	0.00	0.00
PR11S110_11	100Y-8H	1.60	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
GW5							
PR11S110_S109	100Y-8H	17.83	-3.13	-1.64	2.52	2.52	2.52
PR11S111_11GW5	100Y-8H	1.73	0.00	0.00	0.00	0.00	0.00
PR11S111_11GW6	100Y-8H	1.44	0.00	0.00	0.00	0.00	0.00
PR11S111_S110	100Y-8H	14.15	-3.76	-1.90	2.00	2.00	2.00
PR11S112_11GW6	100Y-8H	1.46	0.00	0.00	0.00	0.00	0.00
PR11S112_11GW7	100Y-8H	1.46	0.00	0.00	0.00	0.00	0.00
PR11S112_S111	100Y-8H	7.28	-5.64	1.12	1.03	1.03	1.03
PR11S113_11GW7	100Y-8H	1.45	0.00	0.00	0.00	0.00	0.00
PR11S113_S112	100Y-8H	6.33	-8.12	1.28	-1.17	-1.18	-1.18
PR11S113_S114	100Y-8H	13.92	-7.47	-2.72	1.97	1.97	1.97
PR11S114_PR13S100	100Y-8H	13.85	-7.46	2.62	1.96	1.96	1.96
PR11S115_S53	100Y-8H	4.11	-0.04	0.28	2.32	2.32	2.32
PR11S116_S56	100Y-8H	5.04	-0.04	-0.15	2.85	2.85	2.85
PR11S44_S110	100Y-8H	4.64	-0.23	0.23	3.66	6.34	5.00
PR11S49A_S111	100Y-8H	11.09	-0.36	-0.85	6.27	6.27	6.27
PR11S52A_S112	100Y-8H	10.60	-0.22	0.37	6.00	6.00	6.00
PR11S54A_S113	100Y-8H	10.67	-1.44	0.72	6.04	6.04	6.04
PR11S80A_S80	100Y-8H	0.42	-2.02	0.07	-1.80	-3.57	-2.69
PR11S95_PND11W2	100Y-8H	23.65	0.00	1.91	3.35	3.35	3.35
PR11S95_WEIR	100Y-8H	23.73	0.00	-0.01	1.89	1.89	1.89
PR12S101_C4CANALW	100Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
PR12S69A_PND12W4	100Y-8H	1.32	0.00	0.07	2.57	3.47	2.82
PR12S69_PND12W4	100Y-8H	0.55	0.00	0.03	2.07	2.41	2.05

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR12S70_PND12W4	100Y-8H	7.45	0.00	0.31	4.21	4.73	4.23
PR12S71_S70	100Y-8H	0.97	0.00	-0.09	2.18	0.55	1.32
PR12S73_PND12W4	100Y-8H	0.73	0.00	0.08	2.67	1.14	1.54
PR12S75_PND12W4	100Y-8H	1.66	0.00	0.02	3.37	7.74	5.07
PR12S83_PND12W4	100Y-8H	0.67	0.00	0.04	2.17	2.74	2.27
PR13S07_S102	100Y-8H	8.57	0.00	-3.92	5.98	8.64	7.31
PR13S08_S105	100Y-8H	4.78	0.00	0.14	2.70	3.39	2.88
PR13S100_13GW1	100Y-8H	1.09	0.00	0.00	0.00	0.00	0.00
PR13S100_S101	100Y-8H	12.85	-8.02	-1.73	1.82	-1.89	1.83
PR13S101_13GW1	100Y-8H	1.04	0.00	0.00	0.00	0.00	0.00
PR13S101_S102	100Y-8H	11.93	-27.32	1.70	-3.87	-6.66	-5.27
PR13S102_S105	100Y-8H	56.90	-8.21	-4.00	5.92	8.23	7.07
PR13S103_S11	100Y-8H	1.53	0.00	0.48	1.62	2.44	2.01
PR13S105_S11	100Y-8H	21.71	-8.14	-3.88	2.52	2.66	2.59
PR13S106_PND13E3	100Y-8H	4.10	0.00	0.29	3.59	4.00	3.50
PR13S11_PND13E1	100Y-8H	34.08	-8.05	3.38	2.14	2.14	2.14
PR13S12_S07	100Y-8H	3.19	0.00	0.01	2.31	2.10	2.20
PR13S17_PND13E1	100Y-8H	16.29	0.00	1.11	5.29	5.29	4.77
PR13S19_S17	100Y-8H	10.71	0.00	-0.07	5.59	6.60	6.10
PR13S21_PND13E3	100Y-8H	2.88	0.00	-0.02	3.97	8.77	5.81
PR13S22_S19	100Y-8H	7.02	0.00	0.07	5.45	9.94	7.69
PR13S24_PND13E3	100Y-8H	2.60	0.00	-0.02	3.84	11.09	6.95
PR13S27_PND13E3	100Y-8H	1.78	0.00	-0.02	3.43	1.01	2.22
PR13S48_PND13E1	100Y-8H	1.95	-0.02	-0.01	1.18	1.16	1.16
PR13S50_PND13E3	100Y-8H	0.93	-0.01	0.03	0.52	0.52	0.52
PR13S63A_P	100Y-8H	0.44	0.00	-0.04	0.90	0.60	0.75

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
ND13E3							
PR13S63B_PND13E3	100Y-8H	0.40	-0.01	-0.04	0.24	0.23	0.23
PR13S63_PND13E3	100Y-8H	0.44	-0.01	-0.03	0.65	0.36	0.50
PRCS10S116_10GW8	100Y-8H	1.04	-0.69	-0.08	0.00	0.00	0.00
PRCS10S116_S117	100Y-8H	16.60	-0.63	0.63	5.28	5.28	5.28
PRCS10S116_WEIR	100Y-8H	17.63	0.00	0.01	1.93	1.93	1.93
PRCS10S72_CGCANALE1	100Y-8H	46.22	0.00	-0.05	4.80	7.58	6.19
PRCS10S72_WEIR	100Y-8H	46.22	0.00	0.01	2.15	2.15	2.15
PRCS11S100_CGCANALE2	100Y-8H	51.22	-0.01	-2.93	4.08	4.08	4.08
PRCS11S100_WEIR	100Y-8H	51.22	0.00	0.01	3.04	3.04	3.04
PRCS12S100+A_WEIR	100Y-8H	0.33	-0.01	0.00	1.72	1.72	1.72
PRCS12S100+B_WEIR	100Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
PRCS12S100_S101	100Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
PRCS13S104_CGCANALE3	100Y-8H	52.55	0.00	-1.61	7.43	7.43	7.43
PRCS13S104_WEIR	100Y-8H	52.55	0.00	0.01	3.06	3.06	3.06
SWA10E1_PND10E1	100Y-8H	5.69	0.00	0.00	1.76	0.39	1.07
SWA10W5_SWA10W6	100Y-8H	10.52	-0.74	-0.32	0.72	1.26	0.96
SWA10W6_PND10W7	100Y-8H	19.96	-1.23	-0.02	1.01	1.75	1.23
SWA12W1A_SWA12W1B	100Y-8H	8.90	0.00	-0.02	0.62	0.85	0.73
SWA12W1B_EX12S58	100Y-8H	8.16	0.00	0.11	0.79	2.84	1.77
SWA12W2_EX12S78	100Y-8H	0.24	-0.28	0.05	0.24	0.77	0.50
EX10S09_S18	10Y-1H	0.18	-4.72	-0.01	-1.50	-1.50	-1.50
EX10S09_SWA10W5	10Y-1H	8.11	-0.15	0.02	2.18	3.83	2.87
EX10S112_PND10E4	10Y-1H	9.34	0.00	-1.24	4.71	5.12	4.76
EX10S114_PN	10Y-1H	10.42	0.00	-1.38	4.30	5.85	5.08

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D10E4							
EX10S117_10GW8	10Y-1H	0.82	0.00	0.00	0.00	0.00	0.00
EX10S117_CGCANALE1	10Y-1H	16.40	-0.74	-1.21	5.22	9.26	7.02
EX10S16_S105	10Y-1H	10.52	0.00	1.28	1.49	1.49	1.49
EX10S18_SWA10W6	10Y-1H	8.70	-0.05	-0.01	2.77	4.38	3.22
EX10S21_S19	10Y-1H	0.32	-8.83	-0.65	-1.25	-1.25	-1.25
EX10S21_S21A	10Y-1H	8.68	-1.63	0.05	4.91	4.91	4.91
EX10S22_S24	10Y-1H	10.12	-0.18	-0.02	1.63	-1.69	1.61
EX10S24_S25	10Y-1H	13.45	-1.93	0.07	2.08	-2.50	2.09
EX10S25_PND10E3	10Y-1H	16.85	-5.09	0.09	2.63	-4.01	-2.79
EX10S27_PND10E3	10Y-1H	15.69	0.00	-0.13	6.54	38.44	22.49
EX10S65_S68	10Y-1H	0.02	-2.89	1.93	-0.18	-0.18	-0.18
EX10S65_WEIR	10Y-1H	0.02	-2.54	-0.19	-0.87	-0.87	-0.87
EX10S68_WEIR	10Y-1H	0.51	-1.48	-0.23	-0.45	-0.45	-0.45
EX10S76_68	10Y-1H	1.16	0.00	0.03	0.95	0.95	0.95
EX10S77_S76	10Y-1H	0.54	0.00	-0.01	2.47	3.42	2.94
EX10S78_PND10E3	10Y-1H	1.19	0.00	-0.02	3.06	10.79	6.91
EX10SA10_S114	10Y-1H	4.06	-1.70	-0.06	1.29	-3.19	-1.86
EX10SA10_SA5	10Y-1H	1.07	-1.98	-0.02	-1.12	-1.12	-1.12
EX10SA2_S112	10Y-1H	4.69	-0.93	-0.04	1.49	1.49	1.49
EX10SA5_SA2	10Y-1H	0.28	-1.54	0.05	-0.49	-0.53	-0.51
EX11S104_SWL11W2	10Y-1H	0.88	-0.06	-0.05	-0.40	-0.52	-0.45
EX11S36_PND11W1	10Y-1H	20.80	0.00	-0.13	6.91	21.50	14.06
EX11S40_PND11W1	10Y-1H	11.96	0.00	0.07	5.83	8.52	7.18
EX11S50_S52	10Y-1H	14.07	-0.07	-0.96	2.88	2.87	2.87
EX11S52_S49A	10Y-1H	7.99	-1.26	0.69	4.52	4.52	4.52
EX11S53_S54	10Y-1H	5.22	-0.23	-0.85	1.66	1.66	1.66
EX11S54_52A	10Y-1H	8.48	-0.18	-0.77	4.80	4.80	4.80
EX11S54_S52	10Y-1H	1.69	-6.00	-1.77	-0.85	-0.85	-0.85
EX11S56_S57	10Y-1H	6.44	-0.09	-0.68	2.05	2.05	2.05

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX11S57_S54	10Y-1H	1.92	-2.47	-1.88	-0.35	-0.35	-0.35
EX11S57_S54A	10Y-1H	8.63	-1.17	-0.77	4.88	4.88	4.88
EX11S80_S103	10Y-1H	2.27	0.00	-0.01	2.09	3.70	2.86
EX11S86_S98	10Y-1H	4.36	-0.94	0.70	2.48	3.56	2.90
EX11S97_PND11W1	10Y-1H	1.19	0.00	-0.03	2.90	7.87	5.39
EX11S98_PND11W2	10Y-1H	9.74	0.00	-0.08	3.10	5.42	4.25
EX12S02_S09	10Y-1H	10.69	-10.20	0.25	3.40	-3.78	-3.51
EX12S09_S14	10Y-1H	11.91	0.00	0.09	3.79	3.79	3.79
EX12S14_SWA12W1A	10Y-1H	17.62	0.00	-10.63	6.91	13.41	10.16
EX12S57_SWA12W1B	10Y-1H	2.22	0.00	-1.85	2.67	6.97	4.70
EX12S58_S59	10Y-1H	14.28	-1.13	11.89	0.71	0.71	0.71
EX12S59_PND12W1	10Y-1H	12.15	-0.61	-7.76	0.60	0.60	0.60
EX12S61_PND12W4	10Y-1H	2.38	-0.19	-0.01	1.35	1.35	1.35
EX12S77_SWA12W2	10Y-1H	0.85	-0.01	0.07	2.79	2.50	2.64
EX12S78_S61	10Y-1H	1.87	-0.19	-0.01	1.06	1.06	1.06
EX12S80_S70	10Y-1H	5.12	0.00	0.07	4.81	3.46	3.85
EX13S51_S53	10Y-1H	2.90	0.00	-0.01	2.35	1.64	1.73
EX13S53_PND13E3	10Y-1H	6.55	0.00	-0.02	3.71	5.29	4.50
EX13S88_S91	10Y-1H	1.76	0.00	-0.01	1.56	1.15	1.29
EX13S89_S90	10Y-1H	1.07	0.00	0.00	1.78	1.14	1.37
EX13S90_S91	10Y-1H	1.72	0.00	0.01	1.34	1.20	1.27
EX13S91_S106	10Y-1H	5.71	0.00	-0.03	3.74	4.80	4.22
EXCS10S69_CGCANALE1	10Y-1H	4.07	0.00	-0.17	0.45	1.79	1.12
EXCS10S69_WEIR	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
EXCS11S102_PND11W2	10Y-1H	3.27	-0.01	-0.12	4.13	5.44	4.78
EXCS11S102_WEIR	10Y-1H	3.37	0.00	0.00	1.64	1.64	1.64
PND12W1_PND13E3	10Y-1H	3.45	-24.29	0.18	-1.93	-1.93	-1.93
PND12W4_PND12W1	10Y-1H	1.96	-18.96	-0.09	-2.68	-2.68	-2.68
PND13E3_PND13E1	10Y-1H	5.70	-45.92	0.23	-3.65	-3.65	-3.65

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR10S100_10GW1	10Y-1H	0.50	0.00	0.00	0.00	0.00	0.00
PR10S100_10GW2	10Y-1H	1.00	0.00	0.00	0.00	0.00	0.00
PR10S100_WEIR	10Y-1H	1.59	0.00	0.01	0.82	0.82	0.82
PR10S101_10GW2	10Y-1H	1.00	0.00	0.00	0.00	0.00	0.00
PR10S101_10GW3	10Y-1H	0.50	0.00	0.00	0.00	0.00	0.00
PR10S101_WEIR	10Y-1H	1.59	0.00	0.00	0.88	0.88	0.88
PR10S102_10GW4	10Y-1H	0.43	0.00	0.00	0.00	0.00	0.00
PR10S102_10GW5	10Y-1H	0.85	0.00	0.00	0.00	0.00	0.00
PR10S102_WEIR	10Y-1H	1.37	0.00	0.01	0.80	0.80	0.80
PR10S103_10GW5	10Y-1H	0.85	0.00	0.00	0.00	0.00	0.00
PR10S103_10GW6	10Y-1H	0.85	0.00	0.00	0.00	0.00	0.00
PR10S103_WEIR	10Y-1H	1.75	0.00	0.01	0.82	0.82	0.82
PR10S104_10GW6	10Y-1H	0.85	0.00	0.32	0.00	0.00	0.00
PR10S104_10GW7	10Y-1H	0.43	0.00	0.16	0.00	0.00	0.00
PR10S104_WEIR	10Y-1H	1.37	0.00	0.01	0.59	0.59	0.59
PR10S105_EX10S18	10Y-1H	10.43	0.00	-0.03	3.32	3.90	3.32
PR10S106_S107	10Y-1H	13.47	-14.75	-4.37	-1.04	-1.04	-1.04
PR10S106_WEIR	10Y-1H	13.45	-14.61	1.32	-0.91	-0.91	-0.91
PR10S107_WEIR	10Y-1H	13.49	-14.89	1.36	-0.81	-0.81	-0.81
PR10S108_PR11S101	10Y-1H	22.78	-42.04	7.82	-5.95	-5.95	-5.95
PR10S108_WEIR	10Y-1H	22.94	-1.69	-0.54	2.13	2.13	2.13
PR10S14_S17	10Y-1H	0.83	0.00	-0.02	1.42	2.32	1.73
PR10S17A_WEIR	10Y-1H	0.60	0.00	0.00	0.77	0.77	0.77
PR10S17_S17A	10Y-1H	0.81	0.00	0.00	2.04	2.45	1.97

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR10S19A_PND10W7	10Y-1H	14.95	-6.29	-13.73	6.19	10.24	8.18
PR10S21A_S19A	10Y-1H	8.56	-2.11	-0.09	4.84	4.84	4.84
PR10S23_PND10W7	10Y-1H	15.98	0.00	5.56	9.04	41.60	25.02
PR10S80_PND10E2	10Y-1H	0.97	0.00	0.02	2.89	18.93	10.91
PR11S101_PND11W2	10Y-1H	45.26	-2.60	2.03	6.40	6.40	6.40
PR11S103_S105	10Y-1H	1.15	-0.44	0.07	1.40	1.23	1.32
PR11S105_S86	10Y-1H	2.14	-3.23	0.19	-1.90	-4.11	-3.01
PR11S106_PND11W2	10Y-1H	22.47	-12.72	-2.15	2.34	2.34	2.34
PR11S107_CGCANALE2	10Y-1H	5.87	0.00	-1.77	2.75	2.73	2.74
PR11S107_S106	10Y-1H	22.64	-12.74	3.21	2.42	2.36	2.37
PR11S107_WEIR	10Y-1H	2.70	0.00	-0.02	1.92	1.92	1.92
PR11S109_11GW4	10Y-1H	1.36	0.00	0.00	0.00	0.00	0.00
PR11S109_S107	10Y-1H	22.84	-11.65	3.75	2.61	2.54	2.58
PR11S110_11GW4	10Y-1H	1.40	0.00	0.00	0.00	0.00	0.00
PR11S110_11GW5	10Y-1H	1.56	0.00	0.00	0.00	0.00	0.00
PR11S110_S109	10Y-1H	24.39	-10.45	1.83	3.45	4.08	3.71
PR11S111_11GW5	10Y-1H	1.70	0.00	0.00	0.00	0.00	0.00
PR11S111_11GW6	10Y-1H	1.42	0.00	0.00	0.00	0.00	0.00
PR11S111_S110	10Y-1H	18.19	-8.41	1.82	2.57	2.57	2.57
PR11S112_11GW6	10Y-1H	1.43	0.00	0.00	0.00	0.00	0.00
PR11S112_11GW7	10Y-1H	1.43	0.00	0.00	0.00	0.00	0.00
PR11S112_S111	10Y-1H	5.63	-6.09	1.72	-0.86	-0.86	-0.86
PR11S113_11GW7	10Y-1H	1.41	0.00	0.00	0.00	0.00	0.00
PR11S113_S1	10Y-1H	4.02	-7.42	-1.98	-1.05	-1.05	-1.05

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
12							
PR11S113_S114	10Y-1H	19.77	-5.66	-3.06	2.80	2.80	2.80
PR11S114_PR13S100	10Y-1H	19.61	-5.65	-2.70	2.77	2.81	2.79
PR11S115_S53	10Y-1H	5.32	-0.04	0.22	3.01	3.01	3.01
PR11S116_S56	10Y-1H	6.53	-0.04	0.19	3.70	3.70	3.70
PR11S44_S110	10Y-1H	8.57	0.00	-2.89	5.98	9.26	7.62
PR11S49A_S111	10Y-1H	14.25	-1.06	-2.80	8.07	8.07	8.07
PR11S52A_S112	10Y-1H	13.67	-0.22	-0.39	7.74	7.74	7.74
PR11S54A_S113	10Y-1H	13.87	-1.00	-1.95	7.85	7.85	7.85
PR11S80A_S80	10Y-1H	0.42	-2.02	0.07	-1.80	-3.57	-2.69
PR11S95_PND11W2	10Y-1H	25.69	0.00	1.91	3.63	3.63	3.63
PR11S95_WEIR	10Y-1H	26.85	0.00	-0.01	2.37	2.37	2.37
PR12S101_C4CANALW	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
PR12S69A_PND12W4	10Y-1H	1.83	0.00	0.38	3.46	5.74	4.60
PR12S69_PND12W4	10Y-1H	0.81	-0.01	0.08	2.75	4.17	3.46
PR12S70_PND12W4	10Y-1H	9.63	0.00	-0.30	5.98	6.60	6.24
PR12S71_S70	10Y-1H	1.02	-0.53	-0.02	1.76	-2.45	-1.42
PR12S73_PND12W4	10Y-1H	0.81	0.00	0.02	2.75	5.52	4.13
PR12S75_PND12W4	10Y-1H	2.21	0.00	0.02	3.66	12.23	7.94
PR12S83_PND12W4	10Y-1H	0.97	0.00	0.13	2.89	4.69	3.79
PR13S07_S102	10Y-1H	7.75	0.00	0.39	5.70	8.42	7.06
PR13S08_S105	10Y-1H	6.37	-0.21	-0.51	3.75	5.25	4.50
PR13S100_13GW1	10Y-1H	1.01	0.00	0.00	0.00	0.00	0.00
PR13S100_S101	10Y-1H	18.47	-6.27	-1.46	2.61	2.73	2.66
PR13S101_13	10Y-1H	0.94	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
GW1							
PR13S101_S102	10Y-1H	17.39	-27.32	-1.70	-3.87	-6.66	-5.27
PR13S102_S105	10Y-1H	56.90	-7.15	4.18	5.92	8.23	7.07
PR13S103_S11	10Y-1H	2.04	-0.10	-0.23	2.40	3.56	2.96
PR13S105_S11	10Y-1H	31.07	-7.31	-4.41	2.52	2.66	2.59
PR13S106_PND13E3	10Y-1H	6.25	0.00	-0.89	5.22	6.31	5.66
PR13S11_PND13E1	10Y-1H	44.12	-7.18	-3.32	2.83	2.92	2.87
PR13S12_S07	10Y-1H	4.20	0.00	0.00	2.52	2.54	2.53
PR13S17_PND13E1	10Y-1H	21.90	0.00	-1.40	6.64	7.65	7.15
PR13S19_S17	10Y-1H	17.65	0.00	-4.11	7.19	8.18	7.69
PR13S21_PND13E3	10Y-1H	3.83	0.00	0.02	4.35	13.34	8.84
PR13S22_S19	10Y-1H	9.31	0.00	-0.08	5.99	10.70	8.23
PR13S24_PND13E3	10Y-1H	3.45	0.00	-0.02	4.20	16.82	10.51
PR13S27_PND13E3	10Y-1H	2.37	0.00	0.02	3.74	17.54	10.64
PR13S48_PND13E1	10Y-1H	2.53	-0.02	-0.01	2.00	3.38	2.54
PR13S50_PND13E3	10Y-1H	1.20	-0.01	-0.01	1.39	1.33	1.36
PR13S63A_PND13E3	10Y-1H	0.56	0.00	-0.01	1.41	1.91	1.56
PR13S63B_PND13E3	10Y-1H	0.50	-0.01	0.00	0.80	0.63	0.72
PR13S63_PND13E3	10Y-1H	0.55	-0.01	0.00	1.41	1.27	1.34
PRCS10S116_10GW8	10Y-1H	1.61	0.00	0.00	0.00	0.00	0.00
PRCS10S116_S117	10Y-1H	17.19	-0.50	0.50	5.47	5.47	5.47
PRCS10S116_WEIR	10Y-1H	18.81	0.00	0.01	1.97	1.97	1.97
PRCS10S72_CGCANALE1	10Y-1H	30.79	-0.01	-0.06	3.20	6.56	4.88
PRCS10S72_WEIR	10Y-1H	30.79	0.00	0.01	2.15	2.15	2.15
PRCS11S100_CGCANALE2	10Y-1H	19.13	-0.01	-2.93	1.52	1.52	1.52
PRCS11S100_	10Y-1H	15.04	0.00	0.01	2.02	2.02	2.02

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
WEIR							
PRCS12S100 +A_WEIR	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
PRCS12S100 +B_WEIR	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
PRCS12S100_ S101	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
PRCS13S104_ CGCANALE3	10Y-1H	12.28	0.00	-1.61	1.74	1.74	1.74
PRCS13S104_ WEIR	10Y-1H	0.00	0.00	0.00	0.00	0.00	0.00
SWA10E1_PN D10E1	10Y-1H	0.06	0.00	0.00	0.00	0.01	0.00
SWA10W5_S WA10W6	10Y-1H	13.07	-0.79	-0.10	1.52	2.65	1.99
SWA10W6_P ND10W7	10Y-1H	23.50	-1.09	-0.01	1.40	3.73	2.47
SWA12W1A_ SWA12W1B	10Y-1H	10.22	0.00	-0.01	0.75	1.53	1.07
SWA12W1B_ EX12S58	10Y-1H	10.64	0.00	0.08	1.05	3.75	2.40
SWA12W2_E X12S78	10Y-1H	0.73	-0.21	-0.01	0.45	1.64	1.05
EX10S09_S18	10Y-24H	0.03	-0.76	-0.06	0.41	-0.24	-0.24
EX10S09_SW A10W5	10Y-24H	1.34	0.00	0.07	0.83	2.12	1.44
EX10S112_PN D10E4	10Y-24H	1.68	0.00	0.12	1.73	1.04	1.28
EX10S114_PN D10E4	10Y-24H	1.92	0.00	0.77	2.76	3.68	3.22
EX10S117_10 GW8	10Y-24H	0.47	-0.55	-0.04	0.00	0.00	0.00
EX10S117_C GCANALE1	10Y-24H	4.39	-1.32	-0.77	2.41	2.12	2.26
EX10S16_S10 5	10Y-24H	2.78	-0.07	2.32	0.39	0.39	0.39
EX10S18_SW A10W6	10Y-24H	1.49	-0.03	-0.02	0.86	2.13	1.45
EX10S21_S19	10Y-24H	0.82	-1.60	0.81	1.05	0.40	0.73
EX10S21_S21 A	10Y-24H	1.48	-0.78	-0.34	-0.99	-2.72	-1.85
EX10S22_S24	10Y-24H	1.75	-0.18	0.29	-0.35	-1.69	-1.02
EX10S24_S25	10Y-24H	2.38	-0.85	-0.22	-0.92	-2.50	-1.71
EX10S25_PN D10E3	10Y-24H	2.96	-5.09	0.16	-1.57	-4.01	-2.79
EX10S27_PN D10E3	10Y-24H	2.60	0.00	0.03	3.59	22.42	13.01

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX10S65_S68	10Y-24H	3.08	-0.37	-2.78	0.19	0.19	0.19
EX10S65_WEIR	10Y-24H	1.85	-0.22	-0.85	0.08	0.08	0.08
EX10S68_WEIR	10Y-24H	2.01	-0.15	-0.90	0.08	0.08	0.08
EX10S76_68	10Y-24H	0.27	0.00	-0.20	0.22	0.22	0.22
EX10S77_S76	10Y-24H	0.09	0.00	-0.01	1.54	0.00	0.77
EX10S78_PND10E3	10Y-24H	0.20	0.00	-0.01	1.89	0.62	1.01
EX10SA10_S114	10Y-24H	0.69	-0.59	-0.58	0.55	-1.73	-0.89
EX10SA10_SA5	10Y-24H	0.16	-0.50	-0.11	-0.28	-0.28	-0.28
EX10SA2_S112	10Y-24H	0.91	-0.19	-0.19	0.29	0.29	0.29
EX10SA5_SA2	10Y-24H	0.08	-0.43	0.24	-0.14	-0.14	-0.14
EX11S104_SWL11W2	10Y-24H	1.92	-0.10	0.95	0.72	0.72	0.72
EX11S36_PND11W1	10Y-24H	3.44	0.00	-0.03	3.90	12.75	8.32
EX11S40_PND11W1	10Y-24H	1.98	0.00	0.03	3.33	4.71	3.89
EX11S50_S52	10Y-24H	2.38	-0.07	-1.43	0.68	0.49	0.49
EX11S52_S49A	10Y-24H	1.71	-0.23	0.72	0.97	0.97	0.97
EX11S53_S54	10Y-24H	1.30	-0.08	-0.91	0.41	0.41	0.41
EX11S54_52A	10Y-24H	1.51	-0.18	0.77	0.86	0.86	0.86
EX11S54_S52	10Y-24H	1.49	-1.83	1.61	-0.26	-0.26	-0.26
EX11S56_S57	10Y-24H	1.24	-0.09	0.92	0.40	0.40	0.40
EX11S57_S54	10Y-24H	2.17	-1.56	2.14	0.31	0.31	0.31
EX11S57_S54A	10Y-24H	1.33	-1.05	-0.90	-0.77	-0.90	-0.84
EX11S80_S103	10Y-24H	2.27	0.00	0.05	2.09	3.70	2.86
EX11S86_S98	10Y-24H	2.49	-0.94	0.70	2.35	3.56	2.90
EX11S97_PND11W1	10Y-24H	0.20	0.00	0.01	1.81	0.86	1.23
EX11S98_PND11W2	10Y-24H	9.74	0.00	0.09	3.10	5.42	4.25
EX12S02_S09	10Y-24H	1.77	-10.20	-0.29	-3.25	-3.78	-3.51
EX12S09_S14	10Y-24H	1.83	0.00	0.05	0.83	0.79	0.81
EX12S14_SWA12W1A	10Y-24H	1.97	0.00	0.08	2.21	4.34	3.28
EX12S57_SWA12W1B	10Y-24H	0.60	0.00	-0.53	1.42	0.27	0.76
EX12S58_S59	10Y-24H	5.62	-1.05	-5.62	0.28	0.28	0.28
EX12S59_PN	10Y-24H	5.52	-0.50	5.18	0.27	0.27	0.27

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D12W1							
EX12S61_PN D12W4	10Y-24H	0.29	0.00	0.04	0.17	0.17	0.17
EX12S77_SW A12W2	10Y-24H	0.12	0.00	0.03	0.98	0.50	0.69
EX12S78_S61	10Y-24H	0.24	0.00	0.04	0.14	0.14	0.14
EX12S80_S70	10Y-24H	0.85	0.00	-0.02	2.79	1.37	1.77
EX13S51_S53	10Y-24H	0.47	0.00	-0.04	1.66	0.68	1.14
EX13S53_PN D13E3	10Y-24H	1.07	0.00	0.03	1.54	2.12	1.69
EX13S88_S91	10Y-24H	0.28	0.00	-0.04	1.24	0.70	0.96
EX13S89_S90	10Y-24H	0.17	0.00	0.03	1.31	0.76	1.02
EX13S90_S91	10Y-24H	0.26	0.00	0.05	1.20	0.92	1.04
EX13S91_S10 6	10Y-24H	0.90	0.00	-0.08	2.24	2.25	2.09
EXCS10S69_C GCANALE1	10Y-24H	4.07	0.00	-0.17	0.45	1.79	1.12
EXCS10S69_ WEIR	10Y-24H	1.85	0.00	0.00	0.85	0.85	0.85
EXCS11S102_ PND11W2	10Y-24H	0.56	-0.01	0.05	1.55	0.37	0.96
EXCS11S102_ WEIR	10Y-24H	0.56	0.00	0.00	0.90	0.90	0.90
PND12W1_PN D13E3	10Y-24H	7.26	-4.22	0.18	0.58	0.58	0.58
PND12W4_PN D12W1	10Y-24H	3.64	-3.21	-0.09	0.51	0.51	0.51
PND13E3_PN D13E1	10Y-24H	12.11	-6.81	0.23	0.96	0.96	0.96
PR10S100_10 GW1	10Y-24H	0.26	0.00	0.00	0.00	0.00	0.00
PR10S100_10 GW2	10Y-24H	0.52	0.00	0.00	0.00	0.00	0.00
PR10S100_W EIR	10Y-24H	0.80	0.00	-0.02	0.66	0.66	0.66
PR10S101_10 GW2	10Y-24H	0.52	0.00	0.00	0.00	0.00	0.00
PR10S101_10 GW3	10Y-24H	0.26	0.00	0.00	0.00	0.00	0.00
PR10S101_W EIR	10Y-24H	0.79	0.00	0.00	0.66	0.66	0.66
PR10S102_10 GW4	10Y-24H	0.25	-0.01	0.00	0.00	0.00	0.00
PR10S102_10 GW5	10Y-24H	0.50	-0.01	-0.01	0.00	0.00	0.00
PR10S102_W EIR	10Y-24H	0.76	0.00	0.00	0.48	0.48	0.48

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR10S103_10GW5	10Y-24H	0.50	-0.01	-0.01	0.00	0.00	0.00
PR10S103_10GW6	10Y-24H	0.50	-0.01	-0.01	0.00	0.00	0.00
PR10S103_WEIR	10Y-24H	1.01	0.00	0.00	0.63	0.63	0.63
PR10S104_10GW6	10Y-24H	0.50	0.00	0.32	0.00	0.00	0.00
PR10S104_10GW7	10Y-24H	0.25	0.00	0.16	0.00	0.00	0.00
PR10S104_WEIR	10Y-24H	0.76	0.00	0.00	0.48	0.48	0.48
PR10S105_EX10S18	10Y-24H	1.75	0.00	-0.06	0.96	2.06	1.36
PR10S106_S107	10Y-24H	6.53	-5.09	5.57	0.46	0.46	0.46
PR10S106_WEIR	10Y-24H	6.53	-3.00	1.43	-0.63	-0.63	-0.63
PR10S107_WEIR	10Y-24H	6.53	-3.03	1.43	-0.53	-0.53	-0.53
PR10S108_PR11S101	10Y-24H	10.03	-42.04	7.82	-5.95	-5.95	-5.95
PR10S108_WEIR	10Y-24H	3.90	-2.26	-0.60	1.29	1.29	1.29
PR10S14_S17	10Y-24H	0.38	0.00	0.18	0.59	0.70	0.61
PR10S17A_WEIR	10Y-24H	0.44	0.00	0.00	0.70	0.70	0.70
PR10S17_S17A	10Y-24H	0.45	0.00	0.04	0.76	0.72	0.44
PR10S19A_PND10W7	10Y-24H	4.45	-6.29	-4.36	-2.29	-4.67	-3.48
PR10S21A_S19A	10Y-24H	1.47	-1.97	-0.51	-1.76	-3.35	-2.54
PR10S23_PND10W7	10Y-24H	1.61	0.00	0.02	3.33	16.65	9.88
PR10S80_PND10E2	10Y-24H	0.16	0.00	-0.01	1.80	0.40	0.95
PR11S101_PND11W2	10Y-24H	45.26	-2.84	2.03	6.40	6.40	6.40
PR11S103_S105	10Y-24H	1.15	-0.44	0.14	1.40	1.23	1.32
PR11S105_S86	10Y-24H	1.47	-3.23	0.19	-1.90	-4.11	-3.01
PR11S106_PND11W2	10Y-24H	3.32	-3.83	-2.18	-0.40	-0.40	-0.40
PR11S107_CGCANALE2	10Y-24H	5.87	0.00	-1.77	2.75	2.73	2.74

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR11S107_S106	10Y-24H	3.88	-3.81	-3.65	-0.42	-0.46	-0.44
PR11S107_WEIR	10Y-24H	1.92	0.00	-0.02	1.71	1.71	1.71
PR11S109_11GW4	10Y-24H	0.88	0.00	0.00	0.00	0.00	0.00
PR11S109_S107	10Y-24H	5.17	-3.77	4.52	0.54	0.54	0.54
PR11S110_11GW4	10Y-24H	0.89	0.00	0.00	0.00	0.00	0.00
PR11S110_11GW5	10Y-24H	0.99	0.00	0.00	0.00	0.00	0.00
PR11S110_S109	10Y-24H	5.11	-3.29	1.69	0.72	0.72	0.72
PR11S111_11GW5	10Y-24H	1.01	0.00	0.00	0.00	0.00	0.00
PR11S111_11GW6	10Y-24H	0.84	0.00	0.00	0.00	0.00	0.00
PR11S111_S110	10Y-24H	5.74	-2.93	1.90	0.81	0.81	0.81
PR11S112_11GW6	10Y-24H	0.84	0.00	0.00	0.00	0.00	0.00
PR11S112_11GW7	10Y-24H	0.84	0.00	0.00	0.00	0.00	0.00
PR11S112_S111	10Y-24H	4.81	-2.47	2.02	0.68	0.68	0.68
PR11S113_11GW7	10Y-24H	0.85	0.00	0.00	0.00	0.00	0.00
PR11S113_S112	10Y-24H	4.50	-2.65	1.85	0.64	0.64	0.64
PR11S113_S114	10Y-24H	3.84	-5.03	3.15	-0.71	-0.71	-0.71
PR11S114_PR13S100	10Y-24H	3.82	-5.02	2.40	-1.08	-1.32	-1.20
PR11S115_S53	10Y-24H	0.97	-0.04	-0.36	0.55	0.55	0.55
PR11S116_S56	10Y-24H	1.12	-0.04	0.40	0.63	0.63	0.63
PR11S44_S110	10Y-24H	1.22	-0.02	0.66	2.56	4.26	3.41
PR11S49A_S111	10Y-24H	2.73	-0.23	-0.67	1.55	1.55	1.55
PR11S52A_S112	10Y-24H	2.37	-0.22	0.39	1.34	1.34	1.34
PR11S54A_S113	10Y-24H	2.22	-0.96	0.69	1.25	1.25	1.25
PR11S80A_S8	10Y-24H	0.42	-2.02	0.07	-1.80	-3.57	-2.69

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
0							
PR11S95_PND11W2	10Y-24H	9.96	0.00	1.91	1.41	1.41	1.41
PR11S95_WEIR	10Y-24H	10.14	0.00	-0.01	1.77	1.77	1.77
PR12S101_C4CANALW	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
PR12S69A_PND12W4	10Y-24H	0.29	0.00	-0.04	1.78	1.19	1.34
PR12S69_PND12W4	10Y-24H	0.13	0.00	0.02	1.03	0.70	0.54
PR12S70_PND12W4	10Y-24H	1.65	0.00	0.09	2.74	2.82	2.55
PR12S71_S70	10Y-24H	0.21	0.00	0.05	1.61	0.24	0.87
PR12S73_PND12W4	10Y-24H	0.29	0.00	0.15	1.71	0.70	0.89
PR12S75_PND12W4	10Y-24H	0.37	0.00	0.01	2.23	0.74	1.22
PR12S83_PND12W4	10Y-24H	0.15	0.00	0.03	1.29	0.77	0.67
PR13S07_S102	10Y-24H	1.53	0.00	0.25	3.68	6.00	4.84
PR13S08_S105	10Y-24H	1.17	-0.22	-0.59	1.69	2.30	1.96
PR13S100_13GW1	10Y-24H	0.67	0.00	0.00	0.00	0.00	0.00
PR13S100_S101	10Y-24H	3.49	-5.51	1.83	-1.61	-1.89	-1.75
PR13S101_13GW1	10Y-24H	0.68	0.00	0.00	0.00	0.00	0.00
PR13S101_S102	10Y-24H	3.16	-27.32	-1.92	-3.87	-6.66	-5.27
PR13S102_S105	10Y-24H	56.90	-6.27	-4.60	5.92	8.23	7.07
PR13S103_S11	10Y-24H	0.58	-0.20	-0.48	1.14	1.71	1.38
PR13S105_S11	10Y-24H	20.84	-6.40	4.45	2.52	2.66	2.59
PR13S106_PND13E3	10Y-24H	0.90	0.00	0.06	2.40	2.61	2.32
PR13S11_PND13E1	10Y-24H	16.47	-6.04	3.56	1.51	1.50	1.50
PR13S12_S07	10Y-24H	0.70	0.00	0.00	1.79	1.57	1.66
PR13S17_PND13E1	10Y-24H	3.58	0.00	0.28	3.22	3.22	2.96
PR13S19_S17	10Y-24H	2.35	0.00	-0.03	3.50	4.35	3.92
PR13S21_PN	10Y-24H	0.63	0.00	-0.01	2.58	0.89	1.47

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D13E3							
PR13S22_S19	10Y-24H	1.54	0.00	0.02	3.29	6.47	4.88
PR13S24_PN D13E3	10Y-24H	0.57	0.00	0.01	2.50	0.73	1.41
PR13S27_PN D13E3	10Y-24H	0.39	0.00	-0.01	2.27	0.60	1.24
PR13S48_PN D13E1	10Y-24H	0.43	-0.02	0.04	0.53	0.35	0.44
PR13S50_PN D13E3	10Y-24H	0.21	-0.01	0.03	0.13	0.12	0.12
PR13S63A_P ND13E3	10Y-24H	0.10	0.00	0.02	0.43	0.17	0.30
PR13S63B_P ND13E3	10Y-24H	0.09	-0.01	0.02	0.07	0.05	0.06
PR13S63_PN D13E3	10Y-24H	0.10	-0.01	0.02	0.21	0.10	0.16
PRCS10S116_ 10GW8	10Y-24H	0.47	-0.55	-0.04	0.00	0.00	0.00
PRCS10S116_ S117	10Y-24H	4.11	-0.84	0.77	1.31	1.31	1.31
PRCS10S116_ WEIR	10Y-24H	3.88	0.00	0.00	1.17	1.17	1.17
PRCS10S72_C GCANALE1	10Y-24H	12.17	0.00	-0.08	1.51	3.93	2.72
PRCS10S72_ WEIR	10Y-24H	12.17	0.00	0.00	1.60	1.60	1.60
PRCS11S100_ CGCANALE2	10Y-24H	19.13	-0.01	-2.93	1.52	1.52	1.52
PRCS11S100_ WEIR	10Y-24H	8.96	0.00	0.00	1.70	1.70	1.70
PRCS12S100 +A_WEIR	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
PRCS12S100 +B_WEIR	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
PRCS12S100_ S101	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
PRCS13S104_ CGCANALE3	10Y-24H	14.23	0.00	-1.61	2.01	2.01	2.01
PRCS13S104_ WEIR	10Y-24H	14.23	0.00	0.00	1.98	1.98	1.98
SWA10E1_PN D10E1	10Y-24H	1.18	0.00	0.00	0.93	0.09	0.51
SWA10W5_S WA10W6	10Y-24H	1.75	-0.43	0.20	-0.35	-1.14	-0.66
SWA10W6_P ND10W7	10Y-24H	3.62	-0.74	-0.01	0.42	-1.28	-0.75
SWA12W1A_	10Y-24H	1.89	0.00	-0.01	0.28	0.40	0.32

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
SWA12W1B							
SWA12W1B_EX12S58	10Y-24H	1.90	0.00	0.11	0.39	1.88	1.13
SWA12W2_EX12S78	10Y-24H	0.11	-0.03	0.04	0.12	0.17	0.13
EX10S09_S18	10Y-8H	0.03	-2.55	0.03	-0.81	-0.81	-0.81
EX10S09_SWA10W5	10Y-8H	4.40	-0.01	0.05	1.22	2.64	1.84
EX10S112_PND10E4	10Y-8H	5.17	0.00	0.07	2.74	2.66	2.64
EX10S114_PND10E4	10Y-8H	5.84	0.00	0.46	3.48	4.74	4.11
EX10S117_10GW8	10Y-8H	0.30	-0.71	-0.11	0.00	0.00	0.00
EX10S117_CGCANALE1	10Y-8H	12.00	-0.92	-1.63	4.96	9.57	7.26
EX10S16_S105	10Y-8H	5.64	0.00	-2.27	0.80	0.80	0.80
EX10S18_SWA10W6	10Y-8H	4.69	-0.05	0.01	1.49	2.68	1.87
EX10S21_S19	10Y-8H	0.32	-4.77	-0.91	1.05	-0.67	0.73
EX10S21_S21A	10Y-8H	4.75	-0.78	-0.11	2.69	-2.72	2.69
EX10S22_S24	10Y-8H	5.57	-0.18	0.16	0.82	-1.69	-1.02
EX10S24_S25	10Y-8H	7.59	-0.85	-0.20	1.08	-2.50	-1.71
EX10S25_PND10E3	10Y-8H	9.58	-5.09	0.15	-1.57	-4.01	-2.79
EX10S27_PND10E3	10Y-8H	8.35	0.00	-0.07	5.12	31.88	18.50
EX10S65_S68	10Y-8H	4.02	-0.94	-3.14	0.25	0.25	0.25
EX10S65_WEIR	10Y-8H	2.73	-0.83	0.54	-0.30	-0.30	-0.30
EX10S68_WEIR	10Y-8H	3.01	-0.40	0.51	-0.27	-0.27	-0.27
EX10S76_68	10Y-8H	0.61	0.00	-0.19	0.50	0.50	0.50
EX10S77_S76	10Y-8H	0.29	0.00	0.01	2.09	2.83	2.46
EX10S78_PND10E3	10Y-8H	0.63	0.00	-0.01	2.57	0.77	1.46
EX10SA10_S114	10Y-8H	2.32	-0.55	0.06	0.79	-2.37	-1.27
EX10SA10_SA5	10Y-8H	0.46	-1.11	-0.06	-0.63	-0.63	-0.63
EX10SA2_S112	10Y-8H	2.57	-0.26	0.10	0.82	0.82	0.82
EX10SA5_SA2	10Y-8H	0.10	-0.64	-0.10	-0.20	-0.20	-0.20
EX11S104_SWL11W2	10Y-8H	0.50	-0.02	0.11	0.17	0.17	0.17

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX11S36_PND11W1	10Y-8H	11.07	0.00	-0.07	5.66	17.98	11.82
EX11S40_PND11W1	10Y-8H	6.37	0.00	0.03	4.69	7.12	5.88
EX11S50_S52	10Y-8H	7.58	-0.08	-1.19	1.54	1.54	1.54
EX11S52_S49A	10Y-8H	4.38	-0.27	0.82	2.48	2.48	2.48
EX11S53_S54	10Y-8H	2.88	-0.24	-0.71	0.92	0.92	0.92
EX11S54_52A	10Y-8H	4.69	-0.18	-0.83	2.66	2.66	2.66
EX11S54_S52	10Y-8H	1.93	-3.20	-1.91	-0.45	-0.45	-0.45
EX11S56_S57	10Y-8H	3.53	-0.09	-0.70	1.12	1.12	1.12
EX11S57_S54	10Y-8H	2.27	-1.60	2.15	0.32	0.32	0.32
EX11S57_S54A	10Y-8H	4.83	-1.27	-0.90	2.73	2.73	2.73
EX11S80_S103	10Y-8H	2.27	0.00	0.03	2.09	3.70	2.86
EX11S86_S98	10Y-8H	2.68	-0.94	0.70	2.35	3.56	2.90
EX11S97_PND11W1	10Y-8H	0.63	0.00	0.01	2.45	6.05	4.18
EX11S98_PND11W2	10Y-8H	9.74	0.00	-0.08	3.10	5.42	4.25
EX12S02_S09	10Y-8H	5.70	-10.20	0.25	-3.25	-3.78	-3.51
EX12S09_S14	10Y-8H	6.65	0.00	0.24	2.12	2.15	2.14
EX12S14_SWA12W1A	10Y-8H	16.12	0.00	-10.51	6.63	13.12	9.87
EX12S57_SWA12W1B	10Y-8H	1.38	0.00	-1.22	1.70	0.71	1.02
EX12S58_S59	10Y-8H	11.02	-0.91	-9.36	0.54	0.54	0.54
EX12S59_PND12W1	10Y-8H	9.43	-0.73	-7.07	0.47	0.47	0.47
EX12S61_PND12W4	10Y-8H	0.99	0.00	-0.02	0.56	0.56	0.56
EX12S77_SWA12W2	10Y-8H	0.35	0.00	0.03	1.69	1.33	1.51
EX12S78_S61	10Y-8H	0.76	0.00	0.04	0.43	0.43	0.43
EX12S80_S70	10Y-8H	2.73	0.00	-0.02	3.90	2.26	2.92
EX13S51_S53	10Y-8H	1.50	0.00	-0.02	2.19	0.88	1.53
EX13S53_PND13E3	10Y-8H	3.40	0.00	0.02	1.96	2.98	2.35
EX13S88_S91	10Y-8H	0.88	0.00	0.04	1.47	0.97	1.22
EX13S89_S90	10Y-8H	0.54	0.00	-0.03	1.70	0.89	1.27
EX13S90_S91	10Y-8H	0.83	0.00	-0.07	1.31	1.02	1.15
EX13S91_S106	10Y-8H	2.81	0.00	0.06	3.13	3.87	3.45
EXCS10S69_CGCANALE1	10Y-8H	4.07	-0.01	-0.17	0.45	1.79	1.12
EXCS10S69_	10Y-8H	3.39	0.00	0.00	1.04	1.04	1.04

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
WEIR							
EXCS11S102_PND11W2	10Y-8H	1.75	-0.03	0.06	2.18	0.99	1.47
EXCS11S102_WEIR	10Y-8H	1.78	0.00	0.00	1.33	1.33	1.33
PND12W1_PND13E3	10Y-8H	11.22	-16.58	0.18	-1.32	-1.32	-1.32
PND12W4_PND12W1	10Y-8H	5.82	-13.73	-0.09	-1.94	-1.94	-1.94
PND13E3_PND13E1	10Y-8H	18.84	-30.28	0.23	-2.41	-2.41	-2.41
PR10S100_10GW1	10Y-8H	0.32	0.00	0.00	0.00	0.00	0.00
PR10S100_10GW2	10Y-8H	0.65	0.00	0.00	0.00	0.00	0.00
PR10S100_WEIR	10Y-8H	1.01	0.00	0.01	0.67	0.67	0.67
PR10S101_10GW2	10Y-8H	0.65	0.00	0.00	0.00	0.00	0.00
PR10S101_10GW3	10Y-8H	0.32	0.00	0.00	0.00	0.00	0.00
PR10S101_WEIR	10Y-8H	1.01	0.00	0.00	0.70	0.70	0.70
PR10S102_10GW4	10Y-8H	0.29	-0.01	-0.01	0.00	0.00	0.00
PR10S102_10GW5	10Y-8H	0.58	-0.02	-0.02	0.00	0.00	0.00
PR10S102_WEIR	10Y-8H	0.89	0.00	0.00	0.63	0.63	0.63
PR10S103_10GW5	10Y-8H	0.58	-0.02	-0.02	0.00	0.00	0.00
PR10S103_10GW6	10Y-8H	0.58	-0.02	-0.02	0.00	0.00	0.00
PR10S103_WEIR	10Y-8H	1.18	0.00	0.00	0.67	0.67	0.67
PR10S104_10GW6	10Y-8H	0.58	0.00	0.32	0.00	0.00	0.00
PR10S104_10GW7	10Y-8H	0.29	0.00	0.16	0.00	0.00	0.00
PR10S104_WEIR	10Y-8H	0.89	0.00	0.00	0.48	0.48	0.48
PR10S105_EX10S18	10Y-8H	5.62	0.00	-0.05	1.79	2.72	1.88
PR10S106_S107	10Y-8H	18.29	-6.25	4.89	1.29	1.29	1.29
PR10S106_WEIR	10Y-8H	18.27	-6.18	1.19	-0.68	-0.68	-0.68

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR10S107_WEIR	10Y-8H	18.30	-6.31	1.22	-0.58	-0.58	-0.58
PR10S108_PR11S101	10Y-8H	10.46	-42.04	7.82	-5.95	-5.95	-5.95
PR10S108_WEIR	10Y-8H	10.49	-3.03	0.46	1.77	1.77	1.77
PR10S14_S17	10Y-8H	1.07	0.00	0.05	0.83	1.05	0.89
PR10S17A_WEIR	10Y-8H	1.31	0.00	0.00	1.00	1.00	1.00
PR10S17_S17A	10Y-8H	1.31	0.00	-0.04	1.27	1.48	1.16
PR10S19A_PND10W7	10Y-8H	7.14	-6.29	-5.36	-2.29	-4.67	-3.48
PR10S21A_S19A	10Y-8H	4.72	-1.97	-0.22	2.67	-3.35	2.67
PR10S23_PND10W7	10Y-8H	5.16	0.00	-0.07	4.82	25.42	15.12
PR10S80_PND10E2	10Y-8H	0.52	0.00	0.01	2.44	0.68	1.53
PR11S101_PND11W2	10Y-8H	45.26	-3.00	2.01	6.40	6.40	6.40
PR11S103_S105	10Y-8H	1.15	-0.44	0.06	1.40	1.23	1.32
PR11S105_S86	10Y-8H	1.47	-3.23	0.19	-1.90	-4.11	-3.01
PR11S106_PND11W2	10Y-8H	6.17	-4.31	-2.25	0.64	0.64	0.64
PR11S107_CGCANALE2	10Y-8H	8.41	0.00	-3.71	4.43	3.51	3.97
PR11S107_S106	10Y-8H	6.22	-4.28	-3.25	0.65	0.65	0.65
PR11S107_WEIR	10Y-8H	5.88	0.00	-0.03	2.49	2.49	2.49
PR11S109_11GW4	10Y-8H	0.98	0.00	0.00	0.00	0.00	0.00
PR11S109_S107	10Y-8H	9.51	-4.16	4.07	0.99	0.99	0.99
PR11S110_11GW4	10Y-8H	1.04	0.00	0.00	0.00	0.00	0.00
PR11S110_11GW5	10Y-8H	1.16	0.00	0.00	0.00	0.00	0.00
PR11S110_S109	10Y-8H	10.50	-3.50	-1.75	1.49	1.49	1.49
PR11S111_11GW5	10Y-8H	1.20	0.00	0.00	0.00	0.00	0.00
PR11S111_11GW6	10Y-8H	1.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR11S111_S110	10Y-8H	7.94	-3.92	-1.70	1.12	1.12	1.12
PR11S112_11GW6	10Y-8H	1.00	0.00	0.00	0.00	0.00	0.00
PR11S112_11GW7	10Y-8H	1.00	0.00	0.00	0.00	0.00	0.00
PR11S112_S111	10Y-8H	5.33	-4.83	-1.17	-0.81	-0.82	-0.81
PR11S113_11GW7	10Y-8H	0.99	0.00	0.00	0.00	0.00	0.00
PR11S113_S112	10Y-8H	5.00	-6.84	0.59	-1.13	-1.15	-1.14
PR11S113_S114	10Y-8H	13.01	-6.28	-2.72	1.84	1.84	1.84
PR11S114_PR13S100	10Y-8H	12.94	-6.27	1.47	1.90	1.89	1.90
PR11S115_S53	10Y-8H	2.90	-0.04	-0.17	1.64	1.64	1.64
PR11S116_S56	10Y-8H	3.56	-0.04	0.23	2.01	2.01	2.01
PR11S44_S110	10Y-8H	3.27	-0.05	-0.21	3.68	6.35	5.02
PR11S49A_S111	10Y-8H	7.79	-0.29	-0.95	4.41	4.41	4.41
PR11S52A_S112	10Y-8H	7.53	-0.22	0.34	4.26	4.26	4.26
PR11S54A_S113	10Y-8H	7.70	-1.22	0.91	4.35	4.35	4.35
PR11S80A_S80	10Y-8H	0.42	-2.02	0.07	-1.80	-3.57	-2.69
PR11S95_PND11W2	10Y-8H	15.52	0.00	1.91	2.20	2.20	2.20
PR11S95_WEIR	10Y-8H	15.60	0.00	-0.01	1.77	1.77	1.77
PR12S101_C4CANALW	10Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
PR12S69A_PND12W4	10Y-8H	0.93	0.00	0.10	2.81	3.12	2.55
PR12S69_PND12W4	10Y-8H	0.42	0.00	0.05	2.30	1.32	1.44
PR12S70_PND12W4	10Y-8H	5.24	0.00	0.33	4.24	4.33	3.87
PR12S71_S70	10Y-8H	0.64	0.00	0.05	2.36	0.57	1.47
PR12S73_PND12W4	10Y-8H	0.55	0.00	0.06	2.48	1.06	1.40
PR12S75_PND12W4	10Y-8H	1.18	0.00	0.02	3.05	7.21	4.73

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR12S83_PND12W4	10Y-8H	0.49	0.00	0.06	2.41	1.32	1.48
PR13S07_S102	10Y-8H	4.13	0.00	-0.15	4.36	7.01	5.69
PR13S08_S105	10Y-8H	3.35	-0.09	0.45	2.65	3.54	3.02
PR13S100_13GW1	10Y-8H	0.74	0.00	0.00	0.00	0.00	0.00
PR13S100_S101	10Y-8H	12.32	-6.96	-0.76	1.77	-1.89	1.80
PR13S101_13GW1	10Y-8H	0.75	0.00	0.00	0.00	0.00	0.00
PR13S101_S102	10Y-8H	11.70	-27.32	-1.73	-3.87	-6.66	-5.27
PR13S102_S105	10Y-8H	56.90	-7.82	-4.13	5.92	8.23	7.07
PR13S103_S11	10Y-8H	1.05	-0.02	-0.43	1.49	2.29	1.86
PR13S105_S11	10Y-8H	20.84	-7.85	-4.17	2.52	2.66	2.59
PR13S106_PND13E3	10Y-8H	2.77	0.00	0.25	3.86	3.84	3.36
PR13S11_PND13E1	10Y-8H	26.50	-7.73	2.56	1.67	1.67	1.67
PR13S12_S07	10Y-8H	2.24	0.00	0.00	2.22	1.92	2.07
PR13S17_PND13E1	10Y-8H	11.45	0.00	1.14	5.19	4.83	4.75
PR13S19_S17	10Y-8H	7.57	0.00	0.03	4.96	6.04	5.50
PR13S21_PND13E3	10Y-8H	2.04	0.00	-0.02	3.57	8.01	5.32
PR13S22_S19	10Y-8H	4.96	0.00	0.07	4.76	9.05	6.90
PR13S24_PND13E3	10Y-8H	1.84	0.00	-0.02	3.46	10.10	6.33
PR13S27_PND13E3	10Y-8H	1.26	0.00	0.02	3.11	0.82	1.91
PR13S48_PND13E1	10Y-8H	1.37	-0.02	0.02	1.04	0.92	0.98
PR13S50_PND13E3	10Y-8H	0.64	-0.01	0.06	0.36	0.36	0.36
PR13S63A_PND13E3	10Y-8H	0.30	0.00	-0.03	0.82	0.49	0.65
PR13S63B_PND13E3	10Y-8H	0.27	-0.01	0.02	0.18	0.15	0.16
PR13S63_PND13E3	10Y-8H	0.30	-0.01	-0.02	0.55	0.29	0.42
PRCS10S116_10GW8	10Y-8H	0.46	-0.70	-0.18	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PRCS10S116_S117	10Y-8H	12.03	-0.64	0.62	3.83	3.83	3.83
PRCS10S116_WEIR	10Y-8H	12.47	0.00	0.00	1.72	1.72	1.72
PRCS10S72_CGCANALE1	10Y-8H	34.27	0.00	-0.06	3.56	6.81	5.18
PRCS10S72_WEIR	10Y-8H	34.28	0.00	0.01	2.14	2.14	2.14
PRCS11S100_CGCANALE2	10Y-8H	28.18	-0.01	-2.93	2.24	2.24	2.24
PRCS11S100_WEIR	10Y-8H	28.18	0.00	0.01	2.49	2.49	2.49
PRCS12S100+A_WEIR	10Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
PRCS12S100+B_WEIR	10Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
PRCS12S100_S101	10Y-8H	0.00	0.00	0.00	0.00	0.00	0.00
PRCS13S104_CGCANALE3	10Y-8H	25.28	0.00	-1.61	3.58	3.58	3.58
PRCS13S104_WEIR	10Y-8H	25.28	0.00	0.00	2.40	2.40	2.40
SWA10E1_PND10E1	10Y-8H	2.52	0.00	0.00	1.37	0.22	0.79
SWA10W5_SWA10W6	10Y-8H	7.17	-0.72	-0.20	0.61	-1.24	-0.80
SWA10W6_PND10W7	10Y-8H	13.97	-1.17	-0.02	0.92	1.59	1.16
SWA12W1A_SWA12W1B	10Y-8H	6.93	0.00	-0.01	0.58	0.80	0.69
SWA12W1B_EX12S58	10Y-8H	6.88	0.00	0.09	0.80	2.99	1.87
SWA12W2_EX12S78	10Y-8H	0.27	-0.20	-0.03	0.27	1.05	0.66
EX10S09_S18	25Y-72H	0.01	-5.74	-0.23	-1.83	-1.83	-1.83
EX10S09_SWA10W5	25Y-72H	9.70	0.00	-0.13	1.98	1.98	1.98
EX10S112_PND10E4	25Y-72H	10.96	0.00	0.47	3.49	3.49	3.49
EX10S114_PND10E4	25Y-72H	12.45	0.00	1.48	3.96	3.96	3.96
EX10S117_10GW8	25Y-72H	0.49	-0.29	0.21	0.00	0.00	0.00
EX10S117_CGCANALE1	25Y-72H	18.81	-0.28	0.44	5.99	5.99	5.99
EX10S16_S105	25Y-72H	12.07	-5.90	-5.90	1.71	1.71	1.71

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX10S18_SWA10W6	25Y-72H	9.66	-0.01	0.04	3.08	3.08	3.08
EX10S21_S19	25Y-72H	0.32	-9.66	-2.98	-1.37	-1.37	-1.37
EX10S21_S21A	25Y-72H	9.23	-0.78	0.20	5.22	5.22	5.22
EX10S22_S24	25Y-72H	11.99	-0.18	1.69	1.70	1.70	1.70
EX10S24_S25	25Y-72H	16.30	-0.85	1.25	2.31	-2.50	2.31
EX10S25_PND10E3	25Y-72H	20.56	-5.09	0.50	2.91	-4.01	2.91
EX10S27_PND10E3	25Y-72H	32.05	0.00	14.44	12.62	72.72	42.67
EX10S65_S68	25Y-72H	10.55	-0.10	7.70	0.65	0.65	0.65
EX10S65_WEIR	25Y-72H	10.54	-0.04	-1.10	0.34	0.34	0.34
EX10S68_WEIR	25Y-72H	11.64	-0.03	-1.14	0.38	0.38	0.38
EX10S76_68	25Y-72H	1.35	0.00	0.46	1.10	1.10	1.10
EX10S77_S76	25Y-72H	0.62	0.00	0.01	2.56	3.56	3.06
EX10S78_PND10E3	25Y-72H	1.36	0.00	0.02	3.18	0.77	1.97
EX10SA10_S114	25Y-72H	4.91	-1.93	-1.93	1.56	1.56	1.56
EX10SA10_SA5	25Y-72H	0.40	-2.38	-0.39	-1.34	-1.34	-1.34
EX10SA2_S112	25Y-72H	5.40	-0.07	-0.26	1.72	1.72	1.72
EX10SA5_SA2	25Y-72H	1.06	-0.53	0.56	0.34	0.34	0.34
EX11S104_SWL11W2	25Y-72H	2.37	-0.02	1.20	0.91	0.92	0.91
EX11S36_PND11W1	25Y-72H	55.83	0.00	-36.08	17.77	36.28	24.24
EX11S40_PND11W1	25Y-72H	17.10	0.00	3.59	6.62	8.38	7.04
EX11S50_S52	25Y-72H	16.28	-0.07	1.28	3.32	3.32	3.32
EX11S52_S49A	25Y-72H	9.43	-0.31	-0.58	5.34	5.34	5.34
EX11S53_S54	25Y-72H	6.32	-0.11	1.05	2.01	2.01	2.01
EX11S54_52A	25Y-72H	9.75	-0.18	-0.86	5.52	5.52	5.52
EX11S54_S52	25Y-72H	2.40	-7.10	-1.99	-1.00	-1.00	-1.00
EX11S56_S57	25Y-72H	7.65	-0.09	-1.32	2.44	2.44	2.44
EX11S57_S54	25Y-72H	2.93	-3.11	2.19	-0.44	-0.44	-0.44
EX11S57_S54A	25Y-72H	9.73	-1.84	-0.81	5.51	5.51	5.51
EX11S80_S103	25Y-72H	2.27	0.00	-0.14	2.09	3.70	2.86
EX11S86_S98	25Y-72H	5.71	-0.94	0.70	3.23	3.56	3.23
EX11S97_PN	25Y-72H	1.36	0.00	-0.03	3.01	0.75	1.72

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D11W1							
EX11S98_PN D11W2	25Y-72H	10.87	0.00	-0.14	3.46	5.42	4.25
EX12S02_S09	25Y-72H	12.01	-10.20	0.25	3.82	3.82	3.82
EX12S09_S14	25Y-72H	12.49	-0.01	0.43	3.98	3.98	3.98
EX12S14_SW A12W1A	25Y-72H	15.78	0.00	13.76	6.55	13.76	9.78
EX12S57_SW A12W1B	25Y-72H	0.73	0.00	-0.50	0.70	0.25	0.39
EX12S58_S59	25Y-72H	12.13	-0.86	-9.09	0.60	0.60	0.60
EX12S59_PN D12W1	25Y-72H	10.70	-0.79	5.87	0.53	0.53	0.53
EX12S61_PN D12W4	25Y-72H	1.46	0.00	0.80	0.82	0.82	0.82
EX12S77_SW A12W2	25Y-72H	0.80	-0.21	-0.15	0.45	0.45	0.45
EX12S78_S61	25Y-72H	0.90	-1.09	-0.85	-0.62	-0.62	-0.62
EX12S80_S70	25Y-72H	5.76	0.00	0.90	4.53	3.26	3.49
EX13S51_S53	25Y-72H	3.25	0.00	0.04	1.84	1.84	1.84
EX13S53_PN D13E3	25Y-72H	7.37	0.00	0.05	4.17	4.17	4.17
EX13S88_S91	25Y-72H	1.95	0.00	-0.09	1.10	1.10	1.10
EX13S89_S90	25Y-72H	1.15	0.00	0.07	1.04	0.65	0.67
EX13S90_S91	25Y-72H	1.81	0.00	-0.17	1.03	1.03	1.03
EX13S91_S10 6	25Y-72H	6.24	0.00	0.10	3.53	3.53	3.53
EXCS10S69_C GCANALE1	25Y-72H	13.90	-1.91	-1.91	1.45	2.12	1.78
EXCS10S69_ WEIR	25Y-72H	13.90	0.00	0.00	1.67	1.67	1.67
EXCS11S102_ PND11W2	25Y-72H	2.95	-1.07	-0.55	1.67	1.67	1.67
EXCS11S102_ WEIR	25Y-72H	3.01	0.00	0.00	1.51	1.51	1.51
PND12W1_PN D13E3	25Y-72H	24.24	-12.95	0.18	1.93	1.93	1.93
PND12W4_PN D12W1	25Y-72H	12.65	-10.75	-0.09	1.79	1.79	1.79
PND13E3_PN D13E1	25Y-72H	41.03	-22.34	0.23	3.27	3.27	3.27
PR10S100_10 GW1	25Y-72H	0.45	0.00	0.00	0.00	0.00	0.00
PR10S100_10 GW2	25Y-72H	0.89	0.00	0.00	0.00	0.00	0.00
PR10S100_W EIR	25Y-72H	1.45	0.00	0.06	0.45	0.45	0.45
PR10S101_10	25Y-72H	0.89	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
GW2							
PR10S101_10GW3	25Y-72H	0.45	0.00	0.00	0.00	0.00	0.00
PR10S101_WEIR	25Y-72H	1.41	0.00	-0.01	0.45	0.45	0.45
PR10S102_10GW4	25Y-72H	0.42	0.00	0.00	0.00	0.00	0.00
PR10S102_10GW5	25Y-72H	0.84	-0.01	-0.01	0.00	0.00	0.00
PR10S102_WEIR	25Y-72H	1.32	0.00	0.01	0.34	0.34	0.34
PR10S103_10GW5	25Y-72H	0.84	-0.01	-0.01	0.00	0.00	0.00
PR10S103_10GW6	25Y-72H	0.84	-0.01	-0.01	0.00	0.00	0.00
PR10S103_WEIR	25Y-72H	1.72	0.00	0.01	0.45	0.45	0.45
PR10S104_10GW6	25Y-72H	0.84	0.00	0.31	0.00	0.00	0.00
PR10S104_10GW7	25Y-72H	0.42	0.00	0.16	0.00	0.00	0.00
PR10S104_WEIR	25Y-72H	1.32	0.00	0.01	0.34	0.34	0.34
PR10S105_EX10S18	25Y-72H	11.95	-0.22	-0.23	3.80	3.80	3.80
PR10S106_S107	25Y-72H	25.96	-4.07	5.64	1.84	1.84	1.84
PR10S106_WEIR	25Y-72H	25.92	-2.48	1.33	0.54	0.54	0.54
PR10S107_WEIR	25Y-72H	26.01	-2.50	1.32	0.59	0.59	0.59
PR10S108_PR11S101	25Y-72H	13.80	-42.04	7.82	-5.95	-5.95	-5.95
PR10S108_WEIR	25Y-72H	13.86	-4.56	-0.87	1.13	1.13	1.13
PR10S14_S17	25Y-72H	3.19	0.00	0.22	1.81	1.81	1.81
PR10S17A_WEIR	25Y-72H	3.92	0.00	0.00	1.45	1.45	1.45
PR10S17_S17A	25Y-72H	3.92	-0.01	0.24	2.22	2.22	2.22
PR10S19A_PND10W7	25Y-72H	14.24	-6.29	-3.51	4.53	-4.67	4.53
PR10S21A_S19A	25Y-72H	9.18	-1.97	0.34	5.19	5.19	5.19
PR10S23_PND10W7	25Y-72H	13.59	0.00	-4.62	8.06	39.78	23.92
PR10S80_PN	25Y-72H	1.11	0.00	0.02	3.00	0.63	1.82

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D10E2							
PR11S101_PND11W2	25Y-72H	45.26	-7.03	-6.26	6.40	6.40	6.40
PR11S103_S105	25Y-72H	1.81	-0.44	0.28	1.40	1.23	1.32
PR11S105_S86	25Y-72H	3.12	-3.23	0.19	-1.90	-4.11	-3.01
PR11S106_PND11W2	25Y-72H	14.95	-2.47	-2.10	1.55	1.55	1.55
PR11S107_CGCANALE2	25Y-72H	13.60	0.00	-1.77	2.75	2.73	2.74
PR11S107_S106	25Y-72H	15.01	-3.12	-3.14	1.56	1.56	1.56
PR11S107_WEIR	25Y-72H	13.60	0.00	-0.02	3.29	3.29	3.29
PR11S109_11GW4	25Y-72H	1.41	0.00	0.00	0.00	0.00	0.00
PR11S109_S107	25Y-72H	26.97	-3.44	4.33	2.80	2.80	2.80
PR11S110_11GW4	25Y-72H	1.85	0.00	0.00	0.00	0.00	0.00
PR11S110_11GW5	25Y-72H	2.06	0.00	0.00	0.00	0.00	0.00
PR11S110_S109	25Y-72H	28.40	-1.29	1.68	4.02	4.02	4.02
PR11S111_11GW5	25Y-72H	2.41	0.00	0.00	0.00	0.00	0.00
PR11S111_11GW6	25Y-72H	2.01	0.00	0.00	0.00	0.00	0.00
PR11S111_S110	25Y-72H	22.29	-1.02	2.04	3.15	3.15	3.15
PR11S112_11GW6	25Y-72H	2.05	0.00	0.00	0.00	0.00	0.00
PR11S112_11GW7	25Y-72H	2.05	0.00	0.00	0.00	0.00	0.00
PR11S112_S111	25Y-72H	9.37	-0.77	-1.90	1.33	1.33	1.33
PR11S113_11GW7	25Y-72H	2.04	0.00	0.00	0.00	0.00	0.00
PR11S113_S112	25Y-72H	7.84	-3.73	1.98	1.11	1.11	1.11
PR11S113_S114	25Y-72H	17.51	-9.40	-2.96	2.48	2.48	2.48
PR11S114_PR13S100	25Y-72H	17.43	-9.39	2.56	2.47	2.47	2.47
PR11S115_S53	25Y-72H	6.19	-0.04	0.55	3.50	3.50	3.50

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR11S116_S56	25Y-72H	7.23	-0.04	0.65	4.09	4.09	4.09
PR11S44_S110	25Y-72H	7.05	0.00	0.77	3.99	3.99	3.99
PR11S49A_S111	25Y-72H	16.11	-0.34	-0.67	9.11	9.11	9.11
PR11S52A_S112	25Y-72H	15.26	-0.22	0.45	8.64	8.64	8.64
PR11S54A_S113	25Y-72H	15.31	-1.49	0.64	8.66	8.66	8.66
PR11S80A_S80	25Y-72H	0.42	-2.02	0.07	-1.80	-3.57	-2.69
PR11S95_PND11W2	25Y-72H	27.83	0.00	1.91	3.94	3.94	3.94
PR11S95_WEIR	25Y-72H	28.03	0.00	0.02	2.23	2.23	2.23
PR12S101_C4CANALW	25Y-72H	0.00	0.00	0.00	0.00	0.00	0.00
PR12S69A_PND12W4	25Y-72H	2.03	0.00	0.20	1.15	1.15	1.15
PR12S69_PND12W4	25Y-72H	0.86	0.00	0.03	0.48	0.48	0.48
PR12S70_PND12W4	25Y-72H	11.20	0.00	0.06	6.34	6.34	6.34
PR12S71_S70	25Y-72H	1.65	0.00	-0.12	0.94	0.94	0.94
PR12S73_PND12W4	25Y-72H	0.86	-0.09	-0.04	1.27	-0.57	0.66
PR12S75_PND12W4	25Y-72H	2.54	0.00	-0.02	3.81	1.44	2.62
PR12S83_PND12W4	25Y-72H	1.04	0.00	-0.03	0.59	0.59	0.59
PR13S07_S102	25Y-72H	8.73	0.00	-2.82	5.98	8.64	7.31
PR13S08_S105	25Y-72H	7.22	-0.25	0.47	4.08	4.08	4.08
PR13S100_13GW1	25Y-72H	1.50	0.00	0.00	0.00	0.00	0.00
PR13S100_S101	25Y-72H	15.89	-10.07	2.31	2.25	2.25	2.25
PR13S101_13GW1	25Y-72H	1.41	0.00	0.00	0.00	0.00	0.00
PR13S101_S102	25Y-72H	14.44	-27.32	2.25	-3.87	-6.66	-5.27
PR13S102_S105	25Y-72H	56.90	-10.25	-5.05	5.92	8.23	7.07
PR13S103_S11	25Y-72H	2.27	-0.20	-0.54	1.28	1.28	1.28

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR13S105_S11	25Y-72H	30.23	-9.72	-4.88	2.52	2.66	2.59
PR13S106_PND13E3	25Y-72H	6.16	0.00	0.04	3.49	3.49	3.49
PR13S11_PND13E1	25Y-72H	49.39	-8.11	3.74	3.11	3.11	3.11
PR13S12_S07	25Y-72H	4.74	0.00	-0.01	2.68	2.68	2.68
PR13S17_PND13E1	25Y-72H	24.82	0.00	0.13	5.06	5.06	5.06
PR13S19_S17	25Y-72H	19.04	0.00	-2.94	7.13	7.80	7.46
PR13S21_PND13E3	25Y-72H	4.39	0.00	-0.07	4.55	13.89	9.22
PR13S22_S19	25Y-72H	10.69	0.00	-0.08	6.05	11.07	8.56
PR13S24_PND13E3	25Y-72H	3.96	0.00	0.02	4.40	17.52	10.96
PR13S27_PND13E3	25Y-72H	2.72	0.00	0.02	3.90	18.28	11.09
PR13S48_PND13E1	25Y-72H	2.95	-0.02	0.08	1.67	1.67	1.67
PR13S50_PND13E3	25Y-72H	1.41	-0.01	-0.02	0.80	0.80	0.80
PR13S63A_PND13E3	25Y-72H	0.67	0.00	-0.02	0.38	0.38	0.38
PR13S63B_PND13E3	25Y-72H	0.60	-0.01	-0.03	0.34	0.34	0.34
PR13S63_PND13E3	25Y-72H	0.67	-1.39	-0.71	-0.79	-0.79	-0.79
PRCS10S116_10GW8	25Y-72H	1.48	-0.29	0.14	0.00	0.00	0.00
PRCS10S116_S117	25Y-72H	19.29	-0.16	-0.45	6.14	6.14	6.14
PRCS10S116_WEIR	25Y-72H	20.79	0.00	-0.01	1.91	1.91	1.91
PRCS10S72_CGCANALE1	25Y-72H	51.24	0.00	-0.20	5.33	7.82	6.57
PRCS10S72_WEIR	25Y-72H	51.24	0.00	0.01	2.22	2.22	2.22
PRCS11S100_CGCANALE2	25Y-72H	61.11	-0.01	-2.93	4.86	4.86	4.86
PRCS11S100_WEIR	25Y-72H	61.12	0.00	-0.02	3.18	3.18	3.18
PRCS12S100+A_WEIR	25Y-72H	0.75	-0.02	0.01	3.01	3.01	3.01
PRCS12S100+B_WEIR	25Y-72H	0.00	0.00	0.00	0.00	0.00	0.00
PRCS12S100_S101	25Y-72H	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PRCS13S104_CGCANALE3	25Y-72H	52.95	0.00	-1.61	7.49	7.49	7.49
PRCS13S104_WEIR	25Y-72H	52.95	0.00	0.02	4.21	4.21	4.21
SWA10E1_PND10E1	25Y-72H	9.27	0.00	-0.01	2.12	0.59	1.35
SWA10W5_SWA10W6	25Y-72H	16.17	-0.28	-0.80	0.75	-0.88	0.75
SWA10W6_PND10W7	25Y-72H	28.10	-0.48	-0.02	1.21	1.50	1.35
SWA12W1A_SWA12W1B	25Y-72H	11.26	0.00	-0.05	0.54	0.59	0.56
SWA12W1B_EX12S58	25Y-72H	8.73	0.00	0.14	0.45	1.14	0.68
SWA12W2_EX12S78	25Y-72H	0.33	-0.35	0.08	-0.05	-0.05	-0.05

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
10GW1	100Y-1H	9003	0	9003
10GW1	100Y-24H	23058	0	23058
10GW1	100Y-8H	12600	0	12600
10GW1	10Y-1H	6510	0	6510
10GW1	10Y-24H	20015	0	20015
10GW1	10Y-8H	11075	0	11075
10GW1	25Y-72H	33014	0	33014

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
10GW2	100Y-1H	38353	0	38353
10GW2	100Y-24H	93732	1	93731
10GW2	100Y-8H	52654	1	52653
10GW2	10Y-1H	28184	0	28184
10GW2	10Y-24H	81546	1	81546
10GW2	10Y-8H	46515	2	46513
10GW2	25Y-72H	133727	1	133726

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
10GW3	100Y-1H	10174	0	10174
10GW3	100Y-24H	23812	0	23811
10GW3	100Y-8H	13728	0	13728
10GW3	10Y-1H	7581	0	7581
10GW3	10Y-24H	20761	0	20761
10GW3	10Y-8H	12184	1	12184
10GW3	25Y-72H	33854	0	33854

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
10GW4	100Y-1H	12414	0	12414
10GW4	100Y-24H	24814	0	24813
10GW4	100Y-8H	15503	1	15502
10GW4	10Y-1H	9693	0	9693
10GW4	10Y-24H	21831	1	21830
10GW4	10Y-8H	13968	1	13967

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
10GW4	25Y-72H	36732	1	36732

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
10GW5	100Y-1H	49412	0	49412
10GW5	100Y-24H	98916	1	98915
10GW5	100Y-8H	61753	3	61750
10GW5	10Y-1H	38532	0	38532
10GW5	10Y-24H	86973	3	86971
10GW5	10Y-8H	55611	5	55606
10GW5	25Y-72H	141013	2	141011

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
10GW6	100Y-1H	49456	0	49456
10GW6	100Y-24H	98970	1	98969
10GW6	100Y-8H	61808	2	61806
10GW6	10Y-1H	38577	0	38577
10GW6	10Y-24H	87044	1	87043
10GW6	10Y-8H	55664	2	55662
10GW6	25Y-72H	139243	1	139242

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
10GW7	100Y-1H	12436	0	12436
10GW7	100Y-24H	24840	0	24840
10GW7	100Y-8H	15530	0	15530
10GW7	10Y-1H	9716	0	9716
10GW7	10Y-24H	21866	0	21866
10GW7	10Y-8H	13995	0	13995
10GW7	25Y-72H	35848	0	35848

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
10GW8	100Y-1H	22722	0	22722
10GW8	100Y-24H	40411	59376	-18965
10GW8	100Y-8H	31427	23914	7513
10GW8	10Y-1H	19019	0	19019
10GW8	10Y-24H	40411	62764	-22353
10GW8	10Y-8H	28440	25485	2955
10GW8	25Y-72H	71228	27871	43357

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
11GW4	100Y-1H	120491	0	120491
11GW4	100Y-24H	195256	0	195256
11GW4	100Y-8H	139320	0	139320
11GW4	10Y-1H	104365	0	104365
11GW4	10Y-24H	170450	0	170450
11GW4	10Y-8H	128159	0	128159
11GW4	25Y-72H	235732	0	235732

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
11GW5	100Y-1H	136394	0	136394
11GW5	100Y-24H	220321	0	220321
11GW5	100Y-8H	157791	0	157791
11GW5	10Y-1H	117020	0	117020
11GW5	10Y-24H	191029	0	191029
11GW5	10Y-8H	143919	0	143919
11GW5	25Y-72H	266464	0	266464

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
11GW6	100Y-1H	114644	0	114644
11GW6	100Y-24H	185544	0	185544
11GW6	100Y-8H	132970	0	132970
11GW6	10Y-1H	97892	0	97892
11GW6	10Y-24H	160058	0	160058
11GW6	10Y-8H	120678	0	120678
11GW6	25Y-72H	224471	0	224471

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
11GW7	100Y-1H	115300	0	115300
11GW7	100Y-24H	187028	0	187028
11GW7	100Y-8H	133975	0	133975
11GW7	10Y-1H	98304	0	98304
11GW7	10Y-24H	160955	0	160955
11GW7	10Y-8H	121384	0	121384
11GW7	25Y-72H	226157	0	226157

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
13GW1	100Y-1H	92749	0	92749
13GW1	100Y-24H	151183	0	151183
13GW1	100Y-8H	108171	0	108171
13GW1	10Y-1H	79013	0	79013
13GW1	10Y-24H	129908	0	129908
13GW1	10Y-8H	97924	1	97923
13GW1	25Y-72H	182687	0	182687

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
C4CANALW	100Y-1H	0	0	0
C4CANALW	100Y-24H	0	0	0
C4CANALW	100Y-8H	0	0	0
C4CANALW	10Y-1H	0	0	0
C4CANALW	10Y-24H	0	0	0
C4CANALW	10Y-8H	0	0	0
C4CANALW	25Y-72H	0	0	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CGCANALEAST1	100Y-1H	224576	16168	208408
CGCANALEAST1	100Y-24H	971111	40902	930210
CGCANALEAST1	100Y-8H	630887	27277	603610
CGCANALEAST1	10Y-1H	106308	16228	90080
CGCANALEAST1	10Y-24H	549129	40920	508209
CGCANALEAST1	10Y-8H	407413	27293	380119

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CGCANALEAST1	25Y-72H	750448	12879	737569

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CGCANALEAST2	100Y-1H	142944	107	142838
CGCANALEAST2	100Y-24H	598794	143	598651
CGCANALEAST2	100Y-8H	475376	116	475260
CGCANALEAST2	10Y-1H	38871	111	38760
CGCANALEAST2	10Y-24H	298307	155	298153
CGCANALEAST2	10Y-8H	257276	119	257157
CGCANALEAST2	25Y-72H	550077	273	549804

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
CGCANALEAST3	100Y-1H	99638	50	99588
CGCANALEAST3	100Y-24H	966733	69	966664
CGCANALEAST3	100Y-8H	634668	55	634613
CGCANALEAST3	10Y-1H	11	59	-48
CGCANALEAST3	10Y-24H	446464	76	446389
CGCANALEAST3	10Y-8H	299284	58	299226
CGCANALEAST3	25Y-72H	815375	137	815238

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S09	100Y-1H	28600	28298	302
EX10S09	100Y-24H	69369	69068	300
EX10S09	100Y-8H	51903	51602	300
EX10S09	10Y-1H	19326	19026	300
EX10S09	10Y-24H	43229	42929	300
EX10S09	10Y-8H	35460	35160	300
EX10S09	25Y-72H	74226	73923	303

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S112	100Y-1H	31175	30717	458
EX10S112	100Y-24H	88598	88144	454
EX10S112	100Y-8H	60612	60160	452
EX10S112	10Y-1H	21092	20638	454
EX10S112	10Y-24H	58235	57780	455
EX10S112	10Y-8H	42137	41685	453
EX10S112	25Y-72H	92959	92504	455

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S114	100Y-1H	35066	34528	538
EX10S114	100Y-24H	93988	93510	478
EX10S114	100Y-8H	68267	67771	496
EX10S114	10Y-1H	23615	23080	535
EX10S114	10Y-24H	61144	60672	472
EX10S114	10Y-8H	47797	47301	497
EX10S114	25Y-72H	97934	97477	458

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S117	100Y-1H	67695	67594	101
EX10S117	100Y-24H	288109	287956	153
EX10S117	100Y-8H	174902	174752	150
EX10S117	10Y-1H	45826	45744	82
EX10S117	10Y-24H	219438	219295	143
EX10S117	10Y-8H	134426	134277	150
EX10S117	25Y-72H	203898	203913	-16

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S16	100Y-1H	34752	34627	124
EX10S16	100Y-24H	94286	94166	120
EX10S16	100Y-8H	66868	66759	109
EX10S16	10Y-1H	23702	23578	124
EX10S16	10Y-24H	61725	61588	137
EX10S16	10Y-8H	46877	46774	103
EX10S16	25Y-72H	98278	98143	135

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S18	100Y-1H	44836	44492	344
EX10S18	100Y-24H	121493	121161	331
EX10S18	100Y-8H	86272	85936	336
EX10S18	10Y-1H	30472	30129	343
EX10S18	10Y-24H	79513	79183	330
EX10S18	10Y-8H	60477	60142	335
EX10S18	25Y-72H	126653	126328	324

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S19	100Y-1H	29484	29159	325
EX10S19	100Y-24H	79953	79629	324
EX10S19	100Y-8H	56711	56387	324
EX10S19	10Y-1H	20118	19793	325
EX10S19	10Y-24H	52352	52028	324
EX10S19	10Y-8H	39767	39443	324
EX10S19	25Y-72H	83354	83005	349

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S21	100Y-1H	29500	29158	342
EX10S21	100Y-24H	79980	79636	344
EX10S21	100Y-8H	56735	56391	344
EX10S21	10Y-1H	20137	19794	343
EX10S21	10Y-24H	52379	52035	344
EX10S21	10Y-8H	39794	39450	344
EX10S21	25Y-72H	83380	83011	369

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S22	100Y-1H	34435	33909	526
EX10S22	100Y-24H	93372	92864	508
EX10S22	100Y-8H	66231	65719	511
EX10S22	10Y-1H	23502	22986	515
EX10S22	10Y-24H	61142	60635	508
EX10S22	10Y-8H	46446	45936	510

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S22	25Y-72H	97331	96773	558

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S24	100Y-1H	46930	46162	768
EX10S24	100Y-24H	127378	126608	770
EX10S24	100Y-8H	90342	89572	770
EX10S24	10Y-1H	32030	31260	770
EX10S24	10Y-24H	83415	82645	770
EX10S24	10Y-8H	63357	62587	770
EX10S24	25Y-72H	132735	131898	837

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S25	100Y-1H	59323	58739	584
EX10S25	100Y-24H	160963	160390	573
EX10S25	100Y-8H	114174	113598	576
EX10S25	10Y-1H	40499	39918	581
EX10S25	10Y-24H	105432	104859	572
EX10S25	10Y-8H	80088	79514	575
EX10S25	25Y-72H	167683	167058	625

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S27	100Y-1H	51310	51294	17
EX10S27	100Y-24H	139256	139256	0
EX10S27	100Y-8H	98752	98752	0
EX10S27	10Y-1H	34991	34991	0
EX10S27	10Y-24H	91159	91159	0
EX10S27	10Y-8H	69227	69227	0
EX10S27	25Y-72H	145163	145157	6

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S65	100Y-1H	11156	10790	366
EX10S65	100Y-24H	68680	68310	370
EX10S65	100Y-8H	41776	41411	365
EX10S65	10Y-1H	3384	3091	293
EX10S65	10Y-24H	36198	35814	384
EX10S65	10Y-8H	22324	21961	363
EX10S65	25Y-72H	72459	72072	387

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S68	100Y-1H	12376	12021	355
EX10S68	100Y-24H	76713	76362	351
EX10S68	100Y-8H	46550	46194	356
EX10S68	10Y-1H	3763	3470	293
EX10S68	10Y-24H	40589	40253	336
EX10S68	10Y-8H	24919	24562	357
EX10S68	25Y-72H	81030	80698	332

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S76	100Y-1H	3884	3641	243
EX10S76	100Y-24H	10532	10289	243
EX10S76	100Y-8H	7472	7229	243
EX10S76	10Y-1H	2652	2441	211
EX10S76	10Y-24H	6897	6653	244
EX10S76	10Y-8H	5239	4996	243
EX10S76	25Y-72H	10981	10736	245

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S77	100Y-1H	1763	1763	0
EX10S77	100Y-24H	4785	4785	0
EX10S77	100Y-8H	3394	3394	0
EX10S77	10Y-1H	1202	1202	0
EX10S77	10Y-24H	3133	3133	0
EX10S77	10Y-8H	2379	2379	0
EX10S77	25Y-72H	4988	4988	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10S78	100Y-1H	3879	3879	0
EX10S78	100Y-24H	10528	10528	0
EX10S78	100Y-8H	7466	7466	0
EX10S78	10Y-1H	2645	2645	0
EX10S78	10Y-24H	6892	6892	0
EX10S78	10Y-8H	5234	5234	0
EX10S78	25Y-72H	10975	10975	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10SA10	100Y-1H	14130	13583	546
EX10SA10	100Y-24H	35936	35395	541
EX10SA10	100Y-8H	27325	26782	544
EX10SA10	10Y-1H	9584	9037	547
EX10SA10	10Y-24H	23426	22886	540
EX10SA10	10Y-8H	19336	18793	543
EX10SA10	25Y-72H	37396	36857	539

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10SA2	100Y-1H	17456	16631	824
EX10SA2	100Y-24H	48143	47319	824
EX10SA2	100Y-8H	33498	32674	824
EX10SA2	10Y-1H	12008	11184	824
EX10SA2	10Y-24H	32674	31850	824
EX10SA2	10Y-8H	23685	22861	824
EX10SA2	25Y-72H	51688	50864	824

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10SA5	100Y-1H	7192	6512	680
EX10SA5	100Y-24H	17391	16709	681
EX10SA5	100Y-8H	13738	13056	681
EX10SA5	10Y-1H	4992	4311	681
EX10SA5	10Y-24H	12126	11444	681
EX10SA5	10Y-8H	10024	9342	681

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX10SA5	25Y-72H	19065	18384	681

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S104	100Y-1H	2852	2683	170
EX11S104	100Y-24H	7692	7523	169
EX11S104	100Y-8H	5461	5291	170
EX11S104	10Y-1H	1954	1784	170
EX11S104	10Y-24H	5045	4875	170
EX11S104	10Y-8H	3839	3670	169
EX11S104	25Y-72H	8018	7849	170

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S36	100Y-1H	68061	68018	43
EX11S36	100Y-24H	184718	184718	0
EX11S36	100Y-8H	130991	130991	0
EX11S36	10Y-1H	46414	46414	0
EX11S36	10Y-24H	120919	120919	0
EX11S36	10Y-8H	91827	91827	0
EX11S36	25Y-72H	192553	192304	250

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S40	100Y-1H	39144	39154	-10
EX11S40	100Y-24H	106237	106250	-13
EX11S40	100Y-8H	75337	75348	-12
EX11S40	10Y-1H	26694	26714	-20
EX11S40	10Y-24H	69544	69556	-12
EX11S40	10Y-8H	52812	52831	-18
EX11S40	25Y-72H	110743	110711	32

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S50	100Y-1H	46734	46610	124
EX11S50	100Y-24H	126825	126674	152
EX11S50	100Y-8H	89942	89815	126
EX11S50	10Y-1H	31871	31762	109
EX11S50	10Y-24H	83026	82843	183
EX11S50	10Y-8H	63055	62927	128
EX11S50	25Y-72H	132203	131905	298

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S52	100Y-1H	88162	87647	515
EX11S52	100Y-24H	171280	170797	483
EX11S52	100Y-8H	145619	145075	544
EX11S52	10Y-1H	60177	59716	461
EX11S52	10Y-24H	121958	121573	386
EX11S52	10Y-8H	110598	110068	530
EX11S52	25Y-72H	178989	178405	584

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S53	100Y-1H	17943	17866	78
EX11S53	100Y-24H	48762	48666	96
EX11S53	100Y-8H	34577	34497	80
EX11S53	10Y-1H	12226	12163	63
EX11S53	10Y-24H	31908	31786	122
EX11S53	10Y-8H	24230	24154	75
EX11S53	25Y-72H	50778	50618	160

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S54	100Y-1H	86516	85945	571
EX11S54	100Y-24H	149493	148808	685
EX11S54	100Y-8H	138032	137424	609
EX11S54	10Y-1H	59285	58736	549
EX11S54	10Y-24H	113035	112359	676
EX11S54	10Y-8H	107612	107004	608
EX11S54	25Y-72H	142277	141265	1012

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S56	100Y-1H	21993	21910	83
EX11S56	100Y-24H	59766	59664	101
EX11S56	100Y-8H	42377	42290	87
EX11S56	10Y-1H	14991	14916	75
EX11S56	10Y-24H	39107	39002	104
EX11S56	10Y-8H	29698	29612	86
EX11S56	25Y-72H	62252	62093	159

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S57	100Y-1H	77890	77720	170
EX11S57	100Y-24H	118173	117886	287
EX11S57	100Y-8H	120694	120561	133
EX11S57	10Y-1H	52634	52507	127
EX11S57	10Y-24H	92895	92603	292
EX11S57	10Y-8H	95379	95257	122
EX11S57	25Y-72H	109463	108926	537

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S80	100Y-1H	5464	5542	-78
EX11S80	100Y-24H	14702	14768	-66
EX11S80	100Y-8H	10506	10582	-76
EX11S80	10Y-1H	3651	3737	-86
EX11S80	10Y-24H	9562	9629	-67
EX11S80	10Y-8H	7305	7382	-77
EX11S80	25Y-72H	15443	15442	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S86	100Y-1H	16861	16937	-76
EX11S86	100Y-24H	46401	46465	-65
EX11S86	100Y-8H	32804	32878	-74
EX11S86	10Y-1H	11420	11505	-85
EX11S86	10Y-24H	30218	30284	-66
EX11S86	10Y-8H	22880	22957	-76

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S86	25Y-72H	48164	48173	-8

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S97	100Y-1H	3879	3879	0
EX11S97	100Y-24H	10528	10528	0
EX11S97	100Y-8H	7466	7466	0
EX11S97	10Y-1H	2645	2645	0
EX11S97	10Y-24H	6892	6892	0
EX11S97	10Y-8H	5234	5234	0
EX11S97	25Y-72H	10975	10975	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX11S98	100Y-1H	31898	31973	-75
EX11S98	100Y-24H	87114	87179	-65
EX11S98	100Y-8H	61696	61770	-74
EX11S98	10Y-1H	21698	21782	-84
EX11S98	10Y-24H	56884	56950	-66
EX11S98	10Y-8H	43150	43226	-76
EX11S98	25Y-72H	90547	90558	-11

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S02	100Y-1H	35139	35019	120
EX12S02	100Y-24H	95281	95160	121
EX12S02	100Y-8H	67583	67462	120
EX12S02	10Y-1H	23979	23860	119
EX12S02	10Y-24H	62390	62269	121
EX12S02	10Y-8H	47392	47272	120
EX12S02	25Y-72H	99321	99189	132

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S09	100Y-1H	36606	36575	31
EX12S09	100Y-24H	99467	99439	28
EX12S09	100Y-8H	70517	70482	35
EX12S09	10Y-1H	24942	24915	27
EX12S09	10Y-24H	65088	65061	27
EX12S09	10Y-8H	49413	49382	31
EX12S09	25Y-72H	103679	103620	59

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S14	100Y-1H	39699	39654	45
EX12S14	100Y-24H	108001	107907	95
EX12S14	100Y-8H	76539	76529	11
EX12S14	10Y-1H	27029	27002	27
EX12S14	10Y-24H	70649	70605	44
EX12S14	10Y-8H	53613	53434	179
EX12S14	25Y-72H	112548	112526	22

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S57	100Y-1H	2292	2292	0
EX12S57	100Y-24H	6222	6222	0
EX12S57	100Y-8H	4412	4412	0
EX12S57	10Y-1H	1563	1563	0
EX12S57	10Y-24H	4072	4072	0
EX12S57	10Y-8H	3093	3093	0
EX12S57	25Y-72H	6485	6485	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S58	100Y-1H	53460	53070	390
EX12S58	100Y-24H	149394	150658	-1264
EX12S58	100Y-8H	105290	104151	1139
EX12S58	10Y-1H	35816	35610	206
EX12S58	10Y-24H	97232	98133	-901
EX12S58	10Y-8H	73299	73223	75
EX12S58	25Y-72H	155273	157149	-1876

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S59	100Y-1H	59428	59555	-127
EX12S59	100Y-24H	167892	168782	-890
EX12S59	100Y-8H	116379	118308	-1930
EX12S59	10Y-1H	39949	39975	-27
EX12S59	10Y-24H	109418	109018	400
EX12S59	10Y-8H	81797	81965	-168
EX12S59	25Y-72H	175114	174368	746

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S61	100Y-1H	8812	8747	64
EX12S61	100Y-24H	23108	23033	75
EX12S61	100Y-8H	16290	16223	66
EX12S61	10Y-1H	6148	6092	56
EX12S61	10Y-24H	15019	14945	74
EX12S61	10Y-8H	11324	11259	65
EX12S61	25Y-72H	23976	23850	126

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S77	100Y-1H	2469	2467	1
EX12S77	100Y-24H	6700	6699	1
EX12S77	100Y-8H	4751	4750	1
EX12S77	10Y-1H	1689	1688	1
EX12S77	10Y-24H	4386	4384	1
EX12S77	10Y-8H	3331	3329	1
EX12S77	25Y-72H	6984	6970	14

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S78	100Y-1H	7275	7208	67
EX12S78	100Y-24H	18082	18007	75
EX12S78	100Y-8H	13249	13182	67
EX12S78	10Y-1H	5021	4964	57
EX12S78	10Y-24H	11802	11728	74
EX12S78	10Y-8H	9203	9138	65

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S78	25Y-72H	19402	19267	136

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX12S80	100Y-1H	16751	16746	5
EX12S80	100Y-24H	45462	45460	2
EX12S80	100Y-8H	32239	32223	15
EX12S80	10Y-1H	11423	11423	0
EX12S80	10Y-24H	29760	29760	-1
EX12S80	10Y-8H	22600	22596	4
EX12S80	25Y-72H	47390	47381	9

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S51	100Y-1H	9522	9523	-2
EX13S51	100Y-24H	25841	25848	-7
EX13S51	100Y-8H	18325	18330	-4
EX13S51	10Y-1H	6493	6503	-10
EX13S51	10Y-24H	16916	16923	-7
EX13S51	10Y-8H	12846	12851	-5
EX13S51	25Y-72H	26938	26911	26

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S53	100Y-1H	21513	21422	91
EX13S53	100Y-24H	58389	58283	106
EX13S53	100Y-8H	41406	41320	86
EX13S53	10Y-1H	14679	14606	73
EX13S53	10Y-24H	38224	38120	104
EX13S53	10Y-8H	29028	28946	82
EX13S53	25Y-72H	60833	60590	243

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S88	100Y-1H	5819	5819	-1
EX13S88	100Y-24H	15792	15793	-1
EX13S88	100Y-8H	11199	11200	-1
EX13S88	10Y-1H	3968	3970	-2
EX13S88	10Y-24H	10338	10338	-1
EX13S88	10Y-8H	7850	7852	-1
EX13S88	25Y-72H	16462	16462	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S89	100Y-1H	3526	3528	-2
EX13S89	100Y-24H	9571	9571	0
EX13S89	100Y-8H	6787	6789	-2
EX13S89	10Y-1H	2405	2406	-1
EX13S89	10Y-24H	6265	6266	0
EX13S89	10Y-8H	4758	4759	-2
EX13S89	25Y-72H	9977	9977	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S90	100Y-1H	5644	5639	5
EX13S90	100Y-24H	15314	15311	3
EX13S90	100Y-8H	10861	10857	4
EX13S90	10Y-1H	3849	3845	4
EX13S90	10Y-24H	10025	10022	3
EX13S90	10Y-8H	7614	7610	4
EX13S90	25Y-72H	15963	15960	3

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX13S91	100Y-1H	18864	18858	6
EX13S91	100Y-24H	51203	51199	4
EX13S91	100Y-8H	36310	36305	5
EX13S91	10Y-1H	12865	12861	4
EX13S91	10Y-24H	33517	33514	4
EX13S91	10Y-8H	25454	25449	5
EX13S91	25Y-72H	53374	53368	6

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS10S69	100Y-1H	9165	9118	48
EXCS10S69	100Y-24H	87362	87260	102
EXCS10S69	100Y-8H	50599	50535	64
EXCS10S69	10Y-1H	59	11	48
EXCS10S69	10Y-24H	43837	43736	102
EXCS10S69	10Y-8H	24491	24427	64
EXCS10S69	25Y-72H	92874	92886	-11

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EXCS11S102	100Y-1H	10273	10237	37
EXCS11S102	100Y-24H	29319	29272	47
EXCS11S102	100Y-8H	20549	20510	38
EXCS11S102	10Y-1H	6740	6711	29
EXCS11S102	10Y-24H	18907	18861	46
EXCS11S102	10Y-8H	14160	14123	37
EXCS11S102	25Y-72H	30593	30494	99

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 10E1	100Y-1H	16132	7542	8590
POND 10E1	100Y-24H	73882	65293	8589
POND 10E1	100Y-8H	46702	38107	8594
POND 10E1	10Y-1H	6351	132	6219
POND 10E1	10Y-24H	41408	32822	8586
POND 10E1	10Y-8H	27320	18729	8592
POND 10E1	25Y-72H	77806	69223	8582

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 10E2	100Y-1H	16076	10375	5701
POND 10E2	100Y-24H	94228	88525	5702
POND 10E2	100Y-8H	57517	51816	5701
POND 10E2	10Y-1H	5373	1192	4181
POND 10E2	10Y-24H	50697	44993	5704
POND 10E2	10Y-8H	31399	25698	5700

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 10E2	25Y-72H	99625	93919	5706

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 10E3	100Y-1H	204870	204855	16
POND 10E3	100Y-24H	722404	722326	77
POND 10E3	100Y-8H	490666	490603	63
POND 10E3	10Y-1H	117385	117336	48
POND 10E3	10Y-24H	412821	412735	86
POND 10E3	10Y-8H	331983	331920	63
POND 10E3	25Y-72H	640861	639225	1636

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 10E4	100Y-1H	73347	56447	16900
POND 10E4	100Y-24H	205151	188250	16901
POND 10E4	100Y-8H	144454	127541	16912
POND 10E4	10Y-1H	48924	32013	16911
POND 10E4	10Y-24H	133105	116205	16900
POND 10E4	10Y-8H	100229	83320	16908
POND 10E4	25Y-72H	214023	197131	16893

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 10W7	100Y-1H	289577	289094	482
POND 10W7	100Y-24H	723559	723296	263
POND 10W7	100Y-8H	527298	527087	211
POND 10W7	10Y-1H	193230	192895	335
POND 10W7	10Y-24H	501380	501198	181
POND 10W7	10Y-8H	394893	394682	211
POND 10W7	25Y-72H	739911	737830	2081

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 11W1	100Y-1H	125288	132701	-7413
POND 11W1	100Y-24H	341373	348696	-7323
POND 11W1	100Y-8H	241864	249195	-7332
POND 11W1	10Y-1H	85275	92642	-7367
POND 11W1	10Y-24H	223211	230539	-7328
POND 11W1	10Y-8H	169343	176670	-7327
POND 11W1	25Y-72H	355591	361658	-6067

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 11W2	100Y-1H	316558	285482	31076
POND 11W2	100Y-24H	818830	782723	36107
POND 11W2	100Y-8H	601250	569248	32002
POND 11W2	10Y-1H	221865	194891	26974
POND 11W2	10Y-24H	535869	500056	35813
POND 11W2	10Y-8H	413574	382439	31135
POND 11W2	25Y-72H	813304	748439	64865

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 12W1	100Y-1H	323276	302805	20471
POND 12W1	100Y-24H	739865	713651	26213
POND 12W1	100Y-8H	591036	569012	22024
POND 12W1	10Y-1H	246631	228779	17851
POND 12W1	10Y-24H	520431	496169	24262
POND 12W1	10Y-8H	442498	421755	20743
POND 12W1	25Y-72H	675369	632756	42613

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 12W4	100Y-1H	168972	132642	36329
POND 12W4	100Y-24H	371105	328662	42443
POND 12W4	100Y-8H	295415	257993	37422
POND 12W4	10Y-1H	127738	95940	31798
POND 12W4	10Y-24H	263495	221559	41936
POND 12W4	10Y-8H	221770	185348	36422
POND 12W4	25Y-72H	366135	293875	72260

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 13E1	100Y-1H	677523	656656	20867
POND 13E1	100Y-24H	1642520	1617787	24733
POND 13E1	100Y-8H	1330917	1309256	21662
POND 13E1	10Y-1H	475671	457336	18335
POND 13E1	10Y-24H	1113108	1088494	24615
POND 13E1	10Y-8H	947749	926676	21073
POND 13E1	25Y-72H	1536474	1493701	42773

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 13E3	100Y-1H	516561	475125	41437
POND 13E3	100Y-24H	1204975	1156522	48453
POND 13E3	100Y-8H	952379	909726	42653
POND 13E3	10Y-1H	391982	355820	36162
POND 13E3	10Y-24H	843400	795533	47867
POND 13E3	10Y-8H	711248	669748	41500
POND 13E3	25Y-72H	1091430	1008315	83116

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR10S100	100Y-1H	27008	27008	0
PR10S100	100Y-24H	69171	69171	0
PR10S100	100Y-8H	37799	37799	0
PR10S100	10Y-1H	19531	19531	0
PR10S100	10Y-24H	60043	60043	0
PR10S100	10Y-8H	33223	33223	0
PR10S100	25Y-72H	99092	99037	55

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR10S101	100Y-1H	30522	30522	0
PR10S101	100Y-24H	71431	71431	0
PR10S101	100Y-8H	41184	41184	0
PR10S101	10Y-1H	22744	22744	0
PR10S101	10Y-24H	62281	62281	0
PR10S101	10Y-8H	36551	36551	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR10S101	25Y-72H	101619	101558	61

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR10S102	100Y-1H	37241	37241	0
PR10S102	100Y-24H	74437	74437	0
PR10S102	100Y-8H	46507	46507	0
PR10S102	10Y-1H	29080	29080	0
PR10S102	10Y-24H	65489	65489	0
PR10S102	10Y-8H	41904	41903	0
PR10S102	25Y-72H	110319	110192	127

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR10S103	100Y-1H	49169	49169	0
PR10S103	100Y-24H	98586	98586	0
PR10S103	100Y-8H	61497	61497	0
PR10S103	10Y-1H	38290	38290	0
PR10S103	10Y-24H	86630	86630	0
PR10S103	10Y-8H	55352	55352	0
PR10S103	25Y-72H	135233	135106	127

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR10S104	100Y-1H	37133	37307	-174
PR10S104	100Y-24H	74380	74517	-137
PR10S104	100Y-8H	46426	46589	-163
PR10S104	10Y-1H	28971	29148	-177
PR10S104	10Y-24H	65431	65596	-165
PR10S104	10Y-8H	41825	41983	-159
PR10S104	25Y-72H	110293	107537	2756

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR10S105	100Y-1H	34627	34393	234
PR10S105	100Y-24H	94166	94008	158
PR10S105	100Y-8H	66759	66563	197
PR10S105	10Y-1H	23578	23348	229
PR10S105	10Y-24H	61588	61455	133
PR10S105	10Y-8H	46774	46575	200
PR10S105	25Y-72H	98144	98019	125

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR10S106	100Y-1H	112919	112871	48
PR10S106	100Y-24H	452238	452035	203
PR10S106	100Y-8H	295265	295246	19
PR10S106	10Y-1H	68238	68165	73
PR10S106	10Y-24H	266416	265944	472
PR10S106	10Y-8H	211348	211296	52
PR10S106	25Y-72H	419080	417899	1181

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR10S107	100Y-1H	113152	112973	179
PR10S107	100Y-24H	452182	452159	23
PR10S107	100Y-8H	295446	295239	208
PR10S107	10Y-1H	68385	68232	153
PR10S107	10Y-24H	266084	266330	-246
PR10S107	10Y-8H	211488	211313	175
PR10S107	25Y-72H	418032	418970	-938

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR10S108	100Y-1H	128296	128021	274
PR10S108	100Y-24H	251799	251463	336
PR10S108	100Y-8H	212669	212384	285
PR10S108	10Y-1H	81546	81284	263
PR10S108	10Y-24H	208744	208397	347
PR10S108	10Y-8H	166341	166049	292
PR10S108	25Y-72H	232868	232267	600

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR10S14	100Y-1H	4131	3814	317
PR10S14	100Y-24H	19711	19393	318
PR10S14	100Y-8H	12100	11782	318
PR10S14	10Y-1H	1938	1622	317
PR10S14	10Y-24H	10732	10413	318
PR10S14	10Y-8H	6947	6629	318
PR10S14	25Y-72H	20853	20535	318

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR10S17	100Y-1H	4771	4189	582
PR10S17	100Y-24H	23927	23363	564
PR10S17	100Y-8H	14569	14002	567
PR10S17	10Y-1H	2077	1499	578
PR10S17	10Y-24H	12887	12323	564
PR10S17	10Y-8H	8233	7667	566
PR10S17	25Y-72H	25331	24769	562

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR10S17A	100Y-1H	4182	3335	847
PR10S17A	100Y-24H	23355	22527	828
PR10S17A	100Y-8H	13994	13160	833
PR10S17A	10Y-1H	1491	645	845
PR10S17A	10Y-24H	12315	11487	827
PR10S17A	10Y-8H	7659	6827	832
PR10S17A	25Y-72H	24760	23936	825

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR10S19A	100Y-1H	44521	44384	137
PR10S19A	100Y-24H	120701	120712	-11
PR10S19A	100Y-8H	85621	85497	125
PR10S19A	10Y-1H	30392	30235	157
PR10S19A	10Y-24H	79052	79000	52
PR10S19A	10Y-8H	60059	59946	113

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR10S19A	25Y-72H	125820	125736	83

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR10S21A	100Y-1H	29587	29463	124
PR10S21A	100Y-24H	80076	79948	128
PR10S21A	100Y-8H	56826	56701	124
PR10S21A	10Y-1H	20224	20100	124
PR10S21A	10Y-24H	52474	52349	125
PR10S21A	10Y-8H	39887	39762	124
PR10S21A	25Y-72H	83463	83330	133

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR10S23	100Y-1H	31738	31713	25
PR10S23	100Y-24H	86138	86138	0
PR10S23	100Y-8H	61084	61084	0
PR10S23	10Y-1H	21644	21644	0
PR10S23	10Y-24H	56387	56387	0
PR10S23	10Y-8H	42821	42821	0
PR10S23	25Y-72H	89792	89824	-32

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR10S80	100Y-1H	3174	3174	0
PR10S80	100Y-24H	8614	8614	0
PR10S80	100Y-8H	6108	6108	0
PR10S80	10Y-1H	2164	2164	0
PR10S80	10Y-24H	5639	5639	0
PR10S80	10Y-8H	4282	4282	0
PR10S80	25Y-72H	8979	8979	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR11S101	100Y-1H	134131	134323	-191
PR11S101	100Y-24H	257123	257145	-22
PR11S101	100Y-8H	222360	222583	-223
PR11S101	10Y-1H	85812	85956	-143
PR11S101	10Y-24H	214148	214254	-106
PR11S101	10Y-8H	172323	172554	-231
PR11S101	25Y-72H	245502	245727	-225

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR11S103	100Y-1H	5174	5168	7
PR11S103	100Y-24H	14493	14476	17
PR11S103	100Y-8H	10203	10195	8
PR11S103	10Y-1H	3470	3471	-1
PR11S103	10Y-24H	9380	9365	16
PR11S103	10Y-8H	7072	7065	7
PR11S103	25Y-72H	15003	14932	71

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR11S105	100Y-1H	9112	9106	6
PR11S105	100Y-24H	25364	25348	16
PR11S105	100Y-8H	17883	17875	8
PR11S105	10Y-1H	6131	6132	-1
PR11S105	10Y-24H	16453	16438	15
PR11S105	10Y-8H	12423	12416	6
PR11S105	25Y-72H	26287	26218	69

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR11S106	100Y-1H	149006	148856	149
PR11S106	100Y-24H	306599	306243	356
PR11S106	100Y-8H	166643	166480	164
PR11S106	10Y-1H	161215	160972	243
PR11S106	10Y-24H	219634	219325	309
PR11S106	10Y-8H	140606	140483	123
PR11S106	25Y-72H	291888	291532	356

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR11S107+A	100Y-1H	161871	161448	423
PR11S107+A	100Y-24H	412004	411450	554
PR11S107+A	100Y-8H	250897	250301	596
PR11S107+A	10Y-1H	164053	163619	434
PR11S107+A	10Y-24H	271712	271016	696
PR11S107+A	10Y-8H	182539	182010	529
PR11S107+A	25Y-72H	391733	390894	838

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR11S107+B	100Y-1H	25105	25042	63
PR11S107+B	100Y-24H	107227	107126	102
PR11S107+B	100Y-8H	85055	85030	26
PR11S107+B	10Y-1H	5249	5202	48
PR11S107+B	10Y-24H	53220	53119	101
PR11S107+B	10Y-8H	45519	45545	-26
PR11S107+B	25Y-72H	101091	101102	-11

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR11S109	100Y-1H	162564	162071	494
PR11S109	100Y-24H	452936	452441	495
PR11S109	100Y-8H	275802	275368	433
PR11S109	10Y-1H	165025	164695	330
PR11S109	10Y-24H	300881	300526	355
PR11S109	10Y-8H	198393	197948	445
PR11S109	25Y-72H	425477	424342	1135

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR11S110	100Y-1H	213643	212987	655
PR11S110	100Y-24H	579436	578772	664
PR11S110	100Y-8H	364884	364211	672
PR11S110	10Y-1H	186071	185545	526
PR11S110	10Y-24H	399916	399314	602
PR11S110	10Y-8H	270667	269922	744

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR11S110	25Y-72H	537422	536206	1215

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR11S111	100Y-1H	274871	274266	605
PR11S111	100Y-24H	673362	672611	751
PR11S111	100Y-8H	446453	445893	560
PR11S111	10Y-1H	220012	219469	543
PR11S111	10Y-24H	496633	495877	755
PR11S111	10Y-8H	350965	350475	490
PR11S111	25Y-72H	641723	640555	1168

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR11S112	100Y-1H	309418	308901	517
PR11S112	100Y-24H	664790	664245	545
PR11S112	100Y-8H	459718	459176	542
PR11S112	10Y-1H	253400	252951	449
PR11S112	10Y-24H	528579	528021	558
PR11S112	10Y-8H	392576	392033	543
PR11S112	25Y-72H	646191	645113	1078

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR11S113	100Y-1H	414354	413889	466
PR11S113	100Y-24H	689331	688706	625
PR11S113	100Y-8H	571396	570964	432
PR11S113	10Y-1H	329832	329415	417
PR11S113	10Y-24H	588342	587720	622
PR11S113	10Y-8H	506770	506407	363
PR11S113	25Y-72H	685426	684882	544

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR11S114	100Y-1H	405807	405860	-53
PR11S114	100Y-24H	628586	628677	-91
PR11S114	100Y-8H	549801	549815	-14
PR11S114	10Y-1H	321665	321728	-64
PR11S114	10Y-24H	559923	560002	-79
PR11S114	10Y-8H	493558	493494	64
PR11S114	25Y-72H	633182	632883	299

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR11S115	100Y-1H	17987	17928	59
PR11S115	100Y-24H	48816	48749	67
PR11S115	100Y-8H	34618	34557	61
PR11S115	10Y-1H	12267	12216	52
PR11S115	10Y-24H	31957	31895	62
PR11S115	10Y-8H	24270	24212	58
PR11S115	25Y-72H	50887	50767	120

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR11S116	100Y-1H	22043	21984	59
PR11S116	100Y-24H	59822	59753	69
PR11S116	100Y-8H	42423	42363	61
PR11S116	10Y-1H	15033	14981	52
PR11S116	10Y-24H	39162	39094	69
PR11S116	10Y-8H	29741	29683	59
PR11S116	25Y-72H	62360	62240	120

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR11S44	100Y-1H	20278	20221	57
PR11S44	100Y-24H	55035	54964	71
PR11S44	100Y-8H	39028	38968	60
PR11S44	10Y-1H	13828	13775	53
PR11S44	10Y-24H	36028	35953	75
PR11S44	10Y-8H	27360	27302	58
PR11S44	25Y-72H	57367	57245	123

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR11S49A	100Y-1H	89079	89034	46
PR11S49A	100Y-24H	193846	193779	67
PR11S49A	100Y-8H	153356	153295	61
PR11S49A	10Y-1H	59107	59079	28
PR11S49A	10Y-24H	131960	131887	73
PR11S49A	10Y-8H	114305	114234	71
PR11S49A	25Y-72H	214970	214838	132

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR11S52A	100Y-1H	54020	53901	119
PR11S52A	100Y-24H	135899	135811	88
PR11S52A	100Y-8H	100586	100477	110
PR11S52A	10Y-1H	36332	36240	92
PR11S52A	10Y-24H	87077	86989	87
PR11S52A	10Y-8H	70789	70686	103
PR11S52A	25Y-72H	135641	135530	111

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR11S54A	100Y-1H	94293	94299	-6
PR11S54A	100Y-24H	130033	130060	-28
PR11S54A	100Y-8H	142273	142262	11
PR11S54A	10Y-1H	63640	63633	7
PR11S54A	10Y-24H	96245	96267	-22
PR11S54A	10Y-8H	109939	109945	-6
PR11S54A	25Y-72H	120489	120408	80

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR11S80A	100Y-1H	371	387	-16
PR11S80A	100Y-24H	278	284	-6
PR11S80A	100Y-8H	382	396	-14
PR11S80A	10Y-1H	270	293	-24
PR11S80A	10Y-24H	252	259	-7
PR11S80A	10Y-8H	314	330	-16

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR11S80A	25Y-72H	443	396	46

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR11S95	100Y-1H	132701	132642	59
PR11S95	100Y-24H	348696	348632	64
PR11S95	100Y-8H	249195	249129	67
PR11S95	10Y-1H	92642	92590	52
PR11S95	10Y-24H	230539	230480	58
PR11S95	10Y-8H	176670	176618	51
PR11S95	25Y-72H	361658	361492	167

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR12S101	100Y-1H	0	0	0
PR12S101	100Y-24H	0	0	0
PR12S101	100Y-8H	0	0	0
PR12S101	10Y-1H	0	0	0
PR12S101	10Y-24H	0	0	0
PR12S101	10Y-8H	0	0	0
PR12S101	25Y-72H	0	0	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR12S69	100Y-1H	2645	2645	0
PR12S69	100Y-24H	7178	7178	0
PR12S69	100Y-8H	5090	5090	0
PR12S69	10Y-1H	1808	1808	0
PR12S69	10Y-24H	4699	4699	0
PR12S69	10Y-8H	3568	3568	0
PR12S69	25Y-72H	7483	7469	13

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR12S69A	100Y-1H	5995	5995	0
PR12S69A	100Y-24H	16270	16270	0
PR12S69A	100Y-8H	11538	11538	0
PR12S69A	10Y-1H	4089	4089	0
PR12S69A	10Y-24H	10651	10651	0
PR12S69A	10Y-8H	8088	8088	0
PR12S69A	25Y-72H	16961	16942	19

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR12S70	100Y-1H	31849	31652	197
PR12S70	100Y-24H	88600	88413	187
PR12S70	100Y-8H	62355	62197	158
PR12S70	10Y-1H	21401	21233	167
PR12S70	10Y-24H	57460	57271	189
PR12S70	10Y-8H	43289	43131	158
PR12S70	25Y-72H	92421	92161	260

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR12S71	100Y-1H	3436	3289	147
PR12S71	100Y-24H	11225	11078	147
PR12S71	100Y-8H	7542	7395	147
PR12S71	10Y-1H	2068	1921	147
PR12S71	10Y-24H	6858	6711	147
PR12S71	10Y-8H	4902	4755	147
PR12S71	25Y-72H	11765	11618	147

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR12S73	100Y-1H	2645	2645	0
PR12S73	100Y-24H	7178	7178	0
PR12S73	100Y-8H	5090	5090	0
PR12S73	10Y-1H	1804	1804	0
PR12S73	10Y-24H	4699	4699	0
PR12S73	10Y-8H	3568	3568	0
PR12S73	25Y-72H	7483	7483	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR12S75	100Y-1H	7229	7229	0
PR12S75	100Y-24H	19620	19620	0
PR12S75	100Y-8H	13914	13914	0
PR12S75	10Y-1H	4930	4930	0
PR12S75	10Y-24H	12844	12844	0
PR12S75	10Y-8H	9754	9754	0
PR12S75	25Y-72H	20453	20453	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR12S83	100Y-1H	3174	3174	0
PR12S83	100Y-24H	8614	8614	0
PR12S83	100Y-8H	6108	6108	0
PR12S83	10Y-1H	2168	2168	0
PR12S83	10Y-24H	5639	5639	0
PR12S83	10Y-8H	4282	4282	0
PR12S83	25Y-72H	8979	8965	14

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR13S07	100Y-1H	25394	25394	0
PR13S07	100Y-24H	68913	68914	-1
PR13S07	100Y-8H	48870	48881	-11
PR13S07	10Y-1H	17315	17315	0
PR13S07	10Y-24H	45111	45117	-6
PR13S07	10Y-8H	34261	34257	5
PR13S07	25Y-72H	71825	71830	-6

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR13S08	100Y-1H	20806	20807	0
PR13S08	100Y-24H	56512	56489	24
PR13S08	100Y-8H	40044	40044	0
PR13S08	10Y-1H	14193	14191	2
PR13S08	10Y-24H	37017	36975	42
PR13S08	10Y-8H	28072	28071	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR13S08	25Y-72H	58892	58872	20

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR13S100	100Y-1H	445576	445109	468
PR13S100	100Y-24H	692904	692363	541
PR13S100	100Y-8H	595054	594580	475
PR13S100	10Y-1H	354931	354538	393
PR13S100	10Y-24H	613332	612815	517
PR13S100	10Y-8H	536092	535637	455
PR13S100	25Y-72H	718702	717811	891

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR13S101	100Y-1H	480214	479687	527
PR13S101	100Y-24H	748053	747485	569
PR13S101	100Y-8H	633493	632949	543
PR13S101	10Y-1H	383295	382849	446
PR13S101	10Y-24H	657226	656686	540
PR13S101	10Y-8H	573934	573402	533
PR13S101	25Y-72H	800266	799260	1006

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR13S102	100Y-1H	498287	498908	-621
PR13S102	100Y-24H	756239	756677	-438
PR13S102	100Y-8H	661241	661802	-560
PR13S102	10Y-1H	394148	394735	-587
PR13S102	10Y-24H	665999	666415	-417
PR13S102	10Y-8H	593568	594164	-596
PR13S102	25Y-72H	816442	817650	-1209

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR13S103	100Y-1H	6700	6700	0
PR13S103	100Y-24H	18203	18202	0
PR13S103	100Y-8H	12896	12894	2
PR13S103	10Y-1H	4572	4571	1
PR13S103	10Y-24H	11931	11908	23
PR13S103	10Y-8H	9040	9038	2
PR13S103	25Y-72H	18991	18958	33

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR13S105	100Y-1H	517192	516756	436
PR13S105	100Y-24H	722094	721461	633
PR13S105	100Y-8H	679633	679275	358
PR13S105	10Y-1H	407010	406725	285
PR13S105	10Y-24H	657461	657150	311
PR13S105	10Y-8H	606664	606292	372
PR13S105	25Y-72H	787607	787209	398

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR13S106	100Y-1H	18858	18856	2
PR13S106	100Y-24H	51199	51199	0
PR13S106	100Y-8H	36305	36304	0
PR13S106	10Y-1H	12861	12859	2
PR13S106	10Y-24H	33514	33514	0
PR13S106	10Y-8H	25449	25448	1
PR13S106	25Y-72H	53368	53344	24

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR13S11	100Y-1H	559712	558839	873
PR13S11	100Y-24H	737991	737347	644
PR13S11	100Y-8H	748132	747210	922
PR13S11	10Y-1H	433152	432333	818
PR13S11	10Y-24H	676558	675837	721
PR13S11	10Y-8H	650682	649793	890
PR13S11	25Y-72H	815402	812668	2734

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR13S12	100Y-1H	13753	13757	-4
PR13S12	100Y-24H	37326	37329	-3
PR13S12	100Y-8H	26470	26473	-3
PR13S12	10Y-1H	9379	9379	0
PR13S12	10Y-24H	24434	24436	-1
PR13S12	10Y-8H	18556	18560	-5
PR13S12	25Y-72H	38910	38901	9

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR13S17	100Y-1H	71394	71130	264
PR13S17	100Y-24H	193806	193479	327
PR13S17	100Y-8H	137432	136937	495
PR13S17	10Y-1H	48689	48485	204
PR13S17	10Y-24H	126868	126567	301
PR13S17	10Y-8H	96341	95946	395
PR13S17	25Y-72H	202028	201616	412

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR13S19	100Y-1H	46328	46532	-204
PR13S19	100Y-24H	126335	126332	4
PR13S19	100Y-8H	89590	89583	7
PR13S19	10Y-1H	31745	31734	10
PR13S19	10Y-24H	82701	82698	3
PR13S19	10Y-8H	62804	62798	6
PR13S19	25Y-72H	131695	131691	4

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR13S21	100Y-1H	12519	12519	0
PR13S21	100Y-24H	33977	33977	0
PR13S21	100Y-8H	24094	24094	0
PR13S21	10Y-1H	8537	8537	0
PR13S21	10Y-24H	22242	22242	0
PR13S21	10Y-8H	16890	16890	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR13S21	25Y-72H	35418	35418	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR13S22	100Y-1H	30504	30282	222
PR13S22	100Y-24H	82788	82788	0
PR13S22	100Y-8H	58708	58708	0
PR13S22	10Y-1H	20802	20802	0
PR13S22	10Y-24H	54194	54194	0
PR13S22	10Y-8H	41156	41156	0
PR13S22	25Y-72H	86300	86300	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR13S24	100Y-1H	11285	11285	0
PR13S24	100Y-24H	30627	30627	0
PR13S24	100Y-8H	21719	21719	0
PR13S24	10Y-1H	7696	7696	0
PR13S24	10Y-24H	20049	20049	0
PR13S24	10Y-8H	15225	15225	0
PR13S24	25Y-72H	31926	31926	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR13S27	100Y-1H	7758	7758	0
PR13S27	100Y-24H	21056	21056	0
PR13S27	100Y-8H	14932	14932	0
PR13S27	10Y-1H	5291	5291	0
PR13S27	10Y-24H	13783	13784	0
PR13S27	10Y-8H	10467	10467	0
PR13S27	25Y-72H	21949	21949	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR13S48	100Y-1H	8641	8577	64
PR13S48	100Y-24H	23450	23376	74
PR13S48	100Y-8H	16630	16564	66
PR13S48	10Y-1H	5893	5837	56
PR13S48	10Y-24H	15352	15278	73
PR13S48	10Y-8H	11658	11594	64
PR13S48	25Y-72H	24445	24320	125

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR13S50	100Y-1H	4232	4168	64
PR13S50	100Y-24H	11486	11412	75
PR13S50	100Y-8H	8145	8080	66
PR13S50	10Y-1H	2886	2830	56
PR13S50	10Y-24H	7520	7446	74
PR13S50	10Y-8H	5710	5646	64
PR13S50	25Y-72H	11974	11848	126

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR13S63	100Y-1H	2116	2052	64
PR13S63	100Y-24H	5743	5669	75
PR13S63	100Y-8H	4073	4007	66
PR13S63	10Y-1H	1443	1387	56
PR13S63	10Y-24H	3760	3687	74
PR13S63	10Y-8H	2856	2792	64
PR13S63	25Y-72H	5989	5864	126

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR13S63A	100Y-1H	2116	2052	64
PR13S63A	100Y-24H	5743	5668	75
PR13S63A	100Y-8H	4072	4007	66
PR13S63A	10Y-1H	1443	1387	56
PR13S63A	10Y-24H	3760	3686	74
PR13S63A	10Y-8H	2855	2791	64
PR13S63A	25Y-72H	5987	5862	126

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR13S63B	100Y-1H	1940	1876	64
PR13S63B	100Y-24H	5265	5190	75
PR13S63B	100Y-8H	3734	3668	66
PR13S63B	10Y-1H	1323	1267	56
PR13S63B	10Y-24H	3447	3374	74
PR13S63B	10Y-8H	2618	2554	64
PR13S63B	25Y-72H	5489	5363	126

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PRCS10S116	100Y-1H	64314	64297	17
PRCS10S116	100Y-24H	237113	237039	75
PRCS10S116	100Y-8H	152416	152390	26
PRCS10S116	10Y-1H	39895	39863	31
PRCS10S116	10Y-24H	167298	167206	92
PRCS10S116	10Y-8H	109135	109113	21
PRCS10S116	25Y-72H	214867	214875	-8

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PRCS10S72	100Y-1H	166173	165952	221
PRCS10S72	100Y-24H	636788	636328	461
PRCS10S72	100Y-8H	433815	433520	295
PRCS10S72	10Y-1H	77743	77522	221
PRCS10S72	10Y-24H	327010	326549	461
PRCS10S72	10Y-8H	276101	275806	295
PRCS10S72	25Y-72H	491593	491638	-45

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PRCS11S100	100Y-1H	117950	117902	48
PRCS11S100	100Y-24H	491772	491668	104
PRCS11S100	100Y-8H	390411	390346	65
PRCS11S100	10Y-1H	33717	33669	47
PRCS11S100	10Y-24H	245290	245188	102
PRCS11S100	10Y-8H	211795	211731	65

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PRCS11S100	25Y-72H	448961	448975	-14

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PRCS12S100+A	100Y-1H	0	0	0
PRCS12S100+A	100Y-24H	0	0	0
PRCS12S100+A	100Y-8H	412	59	353
PRCS12S100+A	10Y-1H	0	0	0
PRCS12S100+A	10Y-24H	0	0	0
PRCS12S100+A	10Y-8H	0	0	0
PRCS12S100+A	25Y-72H	476	123	353

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PRCS12S100+B	100Y-1H	0	0	0
PRCS12S100+B	100Y-24H	0	0	0
PRCS12S100+B	100Y-8H	0	0	0
PRCS12S100+B	10Y-1H	0	0	0
PRCS12S100+B	10Y-24H	0	0	0
PRCS12S100+B	10Y-8H	0	0	0
PRCS12S100+B	25Y-72H	0	0	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PRCS13S104	100Y-1H	99686	99638	48
PRCS13S104	100Y-24H	966835	966733	102
PRCS13S104	100Y-8H	634733	634668	64
PRCS13S104	10Y-1H	59	11	48
PRCS13S104	10Y-24H	446566	446464	102
PRCS13S104	10Y-8H	299348	299284	64
PRCS13S104	25Y-72H	815364	815375	-11

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 10E1	100Y-1H	16191	8363	7828
SWALE 10E1	100Y-24H	65997	58164	7833
SWALE 10E1	100Y-8H	42322	34495	7828
SWALE 10E1	10Y-1H	8224	393	7831
SWALE 10E1	10Y-24H	37992	30159	7833
SWALE 10E1	10Y-8H	25738	17908	7830
SWALE 10E1	25Y-72H	69505	61669	7835

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 10W5	100Y-1H	69015	69019	-4
SWALE 10W5	100Y-24H	149643	149640	3
SWALE 10W5	100Y-8H	113806	113805	2
SWALE 10W5	10Y-1H	46613	46611	2
SWALE 10W5	10Y-24H	100664	100662	3
SWALE 10W5	10Y-8H	82268	82265	3
SWALE 10W5	25Y-72H	159850	159851	-1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 10W6	100Y-1H	126734	127173	-439
SWALE 10W6	100Y-24H	267257	267275	-17
SWALE 10W6	100Y-8H	215853	216008	-155
SWALE 10W6	10Y-1H	83981	84254	-273
SWALE 10W6	10Y-24H	173516	173532	-16
SWALE 10W6	10Y-8H	154515	154645	-130
SWALE 10W6	25Y-72H	257684	257727	-42

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 11W2	100Y-1H	10970	10304	666
SWALE 11W2	100Y-24H	30014	29348	666
SWALE 11W2	100Y-8H	21241	20575	666
SWALE 11W2	10Y-1H	7436	6770	666
SWALE 11W2	10Y-24H	19599	18933	666
SWALE 11W2	10Y-8H	14851	14184	666
SWALE 11W2	25Y-72H	31295	30628	666

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 12W1A	100Y-1H	47821	47781	40
SWALE 12W1A	100Y-24H	130851	130606	244
SWALE 12W1A	100Y-8H	92660	92479	181
SWALE 12W1A	10Y-1H	32441	32336	105
SWALE 12W1A	10Y-24H	85460	85165	295
SWALE 12W1A	10Y-8H	64605	64563	42
SWALE 12W1A	25Y-72H	136464	135693	771

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 12W1B	100Y-1H	54739	53445	1294
SWALE 12W1B	100Y-24H	149939	149385	554
SWALE 12W1B	100Y-8H	106109	105276	833
SWALE 12W1B	10Y-1H	37007	35801	1206
SWALE 12W1B	10Y-24H	97726	97222	504
SWALE 12W1B	10Y-8H	74040	73284	755
SWALE 12W1B	25Y-72H	155857	155156	701

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 12W2	100Y-1H	3040	2977	63
SWALE 12W2	100Y-24H	6863	6844	20
SWALE 12W2	100Y-8H	5376	5347	30
SWALE 12W2	10Y-1H	2110	2060	51
SWALE 12W2	10Y-24H	4541	4524	17
SWALE 12W2	10Y-8H	3761	3730	32
SWALE 12W2	25Y-72H	7752	7675	77

System 14

Pre-Development Land Use Tables
Post-Development Land Use Tables
Water Quality Summary Table
Drainage Calculations

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

PRE-DEVELOPMENT LAND-USE

Drainage System: **14** **SHGWT EL. (ft-NAVD):** **1.43**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
14B01	**10**	**0.46**	**0.46**	0.46	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.57	8.18	**98.00**
14B05	**10**	**0.36**	**0.36**	0.36	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.57	8.18	**98.00**
14B08	**10**	**0.66**	**0.66**	0.66	0.00	0.00	**0.00**	0.00	0.00	0.00	19.00	17.57	8.18	**98.00**
14B09	**10**	**0.52**	**0.52**	0.52	0.00	0.00	**0.00**	0.00	0.00	0.00	19.00	17.57	8.18	**98.00**
14B12	**10**	**0.22**	**0.22**	0.00	0.00	0.22	**0.00**	0.00	0.00	0.00	3.00	1.57	0.45	**95.69**
14B13	**10**	**0.14**	**0.14**	0.00	0.00	0.14	**0.00**	0.00	0.00	0.00	3.00	1.57	0.45	**95.69**
14B14	**10**	**0.59**	**0.59**	0.59	0.00	0.00	**0.00**	0.00	0.00	0.00	27.00	25.57	8.18	**98.00**
14B15	**10**	**0.33**	**0.33**	0.33	0.00	0.00	**0.00**	0.00	0.00	0.00	27.00	25.57	8.18	**98.00**
14B17	**10**	**0.63**	**0.63**	0.63	0.00	0.00	**0.00**	0.00	0.00	0.00	27.00	25.57	8.18	**98.00**
14B19	**10**	**0.78**	**0.78**	0.78	0.00	0.00	**0.00**	0.00	0.00	0.00	31.00	29.57	8.18	**98.00**
14B21	**10**	**0.72**	**0.72**	0.72	0.00	0.00	**0.00**	0.00	0.00	0.00	31.00	29.57	8.18	**98.00**
14B28	**10**	**0.28**	**0.28**	0.28	0.00	0.00	**0.00**	0.00	0.00	0.00	30.00	28.57	8.18	**98.00**
14B30	**10**	**0.43**	**0.43**	0.43	0.00	0.00	**0.00**	0.00	0.00	0.00	28.00	26.57	8.18	**98.00**
14B32	**10**	**0.19**	**0.19**	0.19	0.00	0.00	**0.00**	0.00	0.00	0.00	24.00	22.57	8.18	**98.00**
14B34	**10**	**0.35**	**0.35**	0.35	0.00	0.00	**0.00**	0.00	0.00	0.00	24.00	22.57	8.18	**98.00**
14B37	**10**	**0.19**	**0.19**	0.19	0.00	0.00	**0.00**	0.00	0.00	0.00	18.00	16.57	8.18	**98.00**
14B39	**10**	**0.59**	**0.59**	0.59	0.00	0.00	**0.00**	0.00	0.00	0.00	18.00	16.57	8.18	**98.00**
14BD2	**10**	**1.82**	**1.82**	1.29	0.00	0.53	**0.00**	0.00	0.00	0.00	8.00	6.57	8.18	**80.76**
14BF-D	**10**	**1.29**	**1.29**	0.79	0.00	0.50	**0.00**	0.00	0.00	0.00	8.00	6.57	8.18	**75.93**
POND 14W1	**10**	**5.78**	**5.78**	1.05	0.00	4.73	**0.00**	0.00	0.00	0.00	5.00	3.57	4.95	**71.17**
14B01-OFFSITE	**10**	**1.05**	**0.00**	0.00	0.00	0.00	**1.05**	0.48	0.00	0.57	4.00	2.57	1.88	**90.74**
14B02-OFFSITE	**10**	**1.42**	**0.00**	0.00	0.00	0.00	**1.42**	0.86	0.00	0.56	5.00	3.57	4.95	**83.67**
14B03-OFFSITE	**10**	**0.56**	**0.00**	0.00	0.00	0.00	**0.56**	0.25	0.00	0.31	5.00	3.57	4.95	**78.49**
14B04-OFFSITE	**10**	**0.55**	**0.00**	0.00	0.00	0.00	**0.55**	0.23	0.00	0.32	5.00	3.57	4.95	**77.64**
SYSTEM TOTALS		**19.91**	**16.33**	**10.21**	**0.00**	**6.12**	**3.58**	**1.82**	**0.00**	**1.76**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 14 **SHGWT EL. (ft-NAVD): 1.43**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
14B01	**10**	**0.46**	**0.46**	0.46	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.57	8.18	**98.00**
14B05	**10**	**0.36**	**0.36**	0.36	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.57	8.18	**98.00**
14B08	**10**	**0.66**	**0.66**	0.66	0.00	0.00	**0.00**	0.00	0.00	0.00	19.00	17.57	8.18	**98.00**
14B09	**10**	**0.94**	**0.94**	0.94	0.00	0.00	**0.00**	0.00	0.00	0.00	19.00	17.57	8.18	**98.00**
14B12	**10**	**0.43**	**0.43**	0.43	0.00	0.00	**0.00**	0.00	0.00	0.00	3.00	1.57	0.45	**98.00**
14B13	**10**	**0.45**	**0.45**	0.45	0.00	0.00	**0.00**	0.00	0.00	0.00	3.00	1.57	0.45	**98.00**
14B14	**10**	**0.80**	**0.80**	0.80	0.00	0.00	**0.00**	0.00	0.00	0.00	27.00	25.57	8.18	**98.00**
14B15	**10**	**0.33**	**0.33**	0.33	0.00	0.00	**0.00**	0.00	0.00	0.00	27.00	25.57	8.18	**98.00**
14B17	**10**	**0.47**	**0.47**	0.47	0.00	0.00	**0.00**	0.00	0.00	0.00	27.00	25.57	8.18	**98.00**
14B19	**10**	**0.94**	**0.94**	0.94	0.00	0.00	**0.00**	0.00	0.00	0.00	31.00	29.57	8.18	**98.00**
14B21	**10**	**0.84**	**0.84**	0.84	0.00	0.00	**0.00**	0.00	0.00	0.00	31.00	29.57	8.18	**98.00**
14B28	**10**	**0.28**	**0.28**	0.28	0.00	0.00	**0.00**	0.00	0.00	0.00	30.00	28.57	8.18	**98.00**
14B30	**10**	**0.43**	**0.43**	0.43	0.00	0.00	**0.00**	0.00	0.00	0.00	28.00	26.57	8.18	**98.00**
14B32	**10**	**0.33**	**0.33**	0.30	0.00	0.03	**0.00**	0.00	0.00	0.00	24.00	22.57	8.18	**93.08**
14B34	**10**	**0.35**	**0.35**	0.35	0.00	0.00	**0.00**	0.00	0.00	0.00	24.00	22.57	8.18	**98.00**
14B40	**10**	**0.91**	**0.91**	0.91	0.00	0.00	**0.00**	0.00	0.00	0.00	18.00	16.57	8.18	**98.00**
14B39	**10**	**0.59**	**0.59**	0.59	0.00	0.00	**0.00**	0.00	0.00	0.00	18.00	16.57	8.18	**98.00**
14B101	**11**	**1.27**	**1.27**	1.27	0.00	0.00	**0.00**	0.00	0.00	0.00	19.00	17.57	8.18	**98.00**
14BD2	**10**	**1.52**	**1.52**	1.52	0.00	0.00	**0.00**	0.00	0.00	0.00	8.00	6.57	8.18	**98.00**
14BF-D	**10**	**0.89**	**0.89**	0.89	0.00	0.00	**0.00**	0.00	0.00	0.00	8.00	6.57	8.18	**98.00**
POND 14W1	**10**	**4.12**	**4.12**	0.12	1.57	2.43	**0.00**	0.00	0.00	0.00	5.00	3.57	4.95	**77.40**
14B01-OFFSITE	**10**	**0.58**	**0.00**	0.00	0.00	0.00	**0.58**	0.29	0.00	0.29	5.00	3.57	4.95	**80.16**
14B01-ONSITE	**10**	**0.31**	**0.31**	0.19	0.00	0.12	**0.00**	0.00	0.00	0.00	5.00	3.57	4.95	**83.92**
14B02-OFFSITE	**10**	**0.78**	**0.00**	0.00	0.00	0.00	**0.78**	0.62	0.00	0.16	5.00	3.57	4.95	**90.78**
14B02-ONSITE	**10**	**0.40**	**0.40**	0.24	0.00	0.16	**0.00**	0.00	0.00	0.00	5.00	3.57	4.95	**83.47**
14B03-OFFSITE	**10**	**0.17**	**0.00**	0.00	0.00	0.00	**0.17**	0.01	0.00	0.16	5.00	3.57	4.95	**68.22**
14B03-ONSITE	**10**	**0.37**	**0.37**	0.24	0.00	0.13	**0.00**	0.00	0.00	0.00	5.00	3.57	4.95	**85.18**
14B04-ONSITE	**10**	**0.39**	**0.39**	0.23	0.00	0.16	**0.00**	0.00	0.00	0.00	5.00	3.57	4.95	**83.12**
SYSTEM TOTALS		**20.37**	**18.84**	**14.24**	**1.57**	**3.03**	**1.53**	**0.92**	**0.00**	**0.61**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY SUMMARY

Drainage System: ***14***

SYSTEM	SHGWT EL. (ft-NAVD)	TOTAL ONSITE AREA (Ac.) *[POST-DEV.]*	ONSITE IMPERVIOUS AREA (Ac.) *[POST-DEV.]*	ONSITE PERVIOUS AREA (Ac.) *[POST-DEV.]*	SFWMD 1" OVER TOTAL ONSITE AREA (Ac-ft)	SFWMD 2.5" OVER IMPERVIOUS AREA (Ac-ft)	[1] SFWMD WATER QUALITY TREATMENT REQUIRED FOR RETENTION (Ac-ft)	[2] DRER WATER QUALITY TREATMENT REQUIRED (Ac-ft)	[3] DRY- / WET-RETENTION TREATMENT VOLUME PROVIDED (Ac-ft)	FRENCH DRAIN TREATMENT VOLUME PROVIDED (Ac-ft)	TOTAL TREATMENT VOLUME PROVIDED (Ac-ft)	SFWMD SURPLUS TREATMENT VOLUME PROVIDED (Ac-ft)
14	1.44	18.84	14.24	3.03	1.57	2.97	**2.97**	**2.51**	1.82	2.39	**4.21**	**1.25**
SYSTEM TOTAL	1.44	18.84	14.24	3.03	1.57	2.97	**2.97**	**2.51**	1.82	2.39	**4.21**	**1.25**

[1] 2.5" over Additional Impervious Area.

[2] See next page for water quality calculations by Miami-Dade Department of Regulatory and Economic Resources (DRER).

[3] Multiplied by 2 to account for 50% retention volume credit.

POND 14W1		
TYPE:	Wet Retention	
STAGE (ft-NAVD)	**AREA (Ac.)**	**VOLUME (Ac-ft)**
1.43	1.57	0.00
2.00	**1.62**	**0.91**
3.00	1.72	2.58
3.43	1.76	3.33
4.00	1.81	4.34
5.00	1.92	6.21
6.00	2.01	8.17

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY CALCULATIONS BY DRER

Drainage System: 14

AREA:

Onsite Impervious	**14.24**	Ac.	76%
Onsite Pervious	**3.03**	Ac.	16%
Onsite Water Surface	**1.57**	Ac.	8%
Total Area	**18.84**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*
	Cws. =	*90*	*0.90*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.80 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV} + Aws \times Cws) / A_T = \mathbf{0.80}$$

$t_{1"}$ = 11.45 min.

TOTAL TIME OF CONCENTRATION (T_T)

$T_T = t_{1"} + Tc =$ 21.45 min.

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.61 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ Q_{1"}\ T_T =$ **109373.52** ft^3 = **2.51** **ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS
VARIABLE GROUNDWATER CALCULATIONS

Drainage System: **14**

Stage = DHW + [PRG x (RF - DHW)]
See ADICPR Technical Design Guide 2-25

Elevation Conversion:	-1.57	ft.	(NGVD-NAVD)

DHW =	3.00	ft. - NGVD	Design High Water / October Average Groundwater Elevation
	1.43	ft. - NAVD	(MD PWD - W.C. 2.2)
RF =	4.00	ft. - NGVD	Return Frequency Groundwater Elevation / Average Yearly Highest Groundwater Level (AYH) (MD
	2.43	ft. - NAVD	PWD - W.C. 2.1)
PRG=	Variable		(Percentage Rise in Groundwater)

8HR DESIGN STORM DURATION		
TIME	PRG	STAGE
(hrs)	%	(ft-NAVD)
0	0.00	1.43
1	0.02	1.45
2	0.13	1.56
3	0.28	1.71
4	0.70	2.13
5	0.86	2.29
6	0.92	2.35
7	0.97	2.40
8	1.00	2.43
12	0.00	1.43

24HR DESIGN STORM DURATION		
TIME	PRG	STAGE
(hrs)	%	(ft-NAVD)
0.00	0.00	1.43
1.00	0.01	1.44
2.00	0.03	1.46
3.00	0.06	1.49
4.00	0.09	1.52
5.00	0.12	1.55
6.00	0.16	1.59
7.00	0.20	1.63
8.00	0.24	1.67
9.00	0.30	1.73
10.00	0.36	1.79
11.00	0.44	1.87
12.00	0.54	1.97
13.00	0.61	2.04
14.00	0.67	2.10
15.00	0.73	2.16
16.00	0.78	2.21
17.00	0.82	2.25
18.00	0.86	2.29
19.00	0.90	2.33
20.00	0.93	2.36
21.00	0.96	2.39
22.00	0.98	2.41
23.00	0.99	2.42
24.00	1.00	2.43
36.00	0.00	1.43

72HR DESIGN STORM DURATION		
TIME	PRG	STAGE
(hrs)	%	(ft-NAVD)
0.00	0.00	1.43
24.00	0.11	1.54
36.00	0.19	1.62
48.00	0.26	1.69
49.00	0.27	1.70
50.00	0.28	1.71
51.00	0.29	1.72
52.00	0.30	1.73
53.00	0.31	1.74
54.00	0.33	1.76
55.00	0.34	1.77
56.00	0.37	1.80
57.00	0.39	1.82
57.50	0.40	1.83
58.00	0.42	1.85
58.50	0.44	1.87
59.00	0.46	1.89
59.50	0.50	1.93
60.00	0.75	2.18
60.50	0.80	2.23
61.00	0.83	2.26
61.50	0.85	2.28
62.00	0.87	2.30
62.50	0.88	2.31
63.00	0.89	2.32
64.00	0.91	2.34
65.00	0.92	2.35
66.00	0.94	2.37
68.00	0.96	2.39
70.00	0.98	2.41
72.00	1.00	2.43
108.00	0.00	1.43

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

VARIABLE TAILWATER*

Drainage System: **14**

8HR DESIGN STORM DURATION		24HR DESIGN STORM DURATION		72HR DESIGN STORM DURATION	
TIME (hrs)	STAGE (ft-NGVD)	TIME (hrs)	STAGE (ft-NGVD)	TIME (hrs)	STAGE (ft-NGVD)
0.00	1.43	0.00	1.43	0.00	1.43
8.00	2.43	12.50	2.43	60.50	2.43
12.00	2.43	24.00	2.43	72.00	2.43
36.00	1.43	48.00	1.43	96.00	1.43

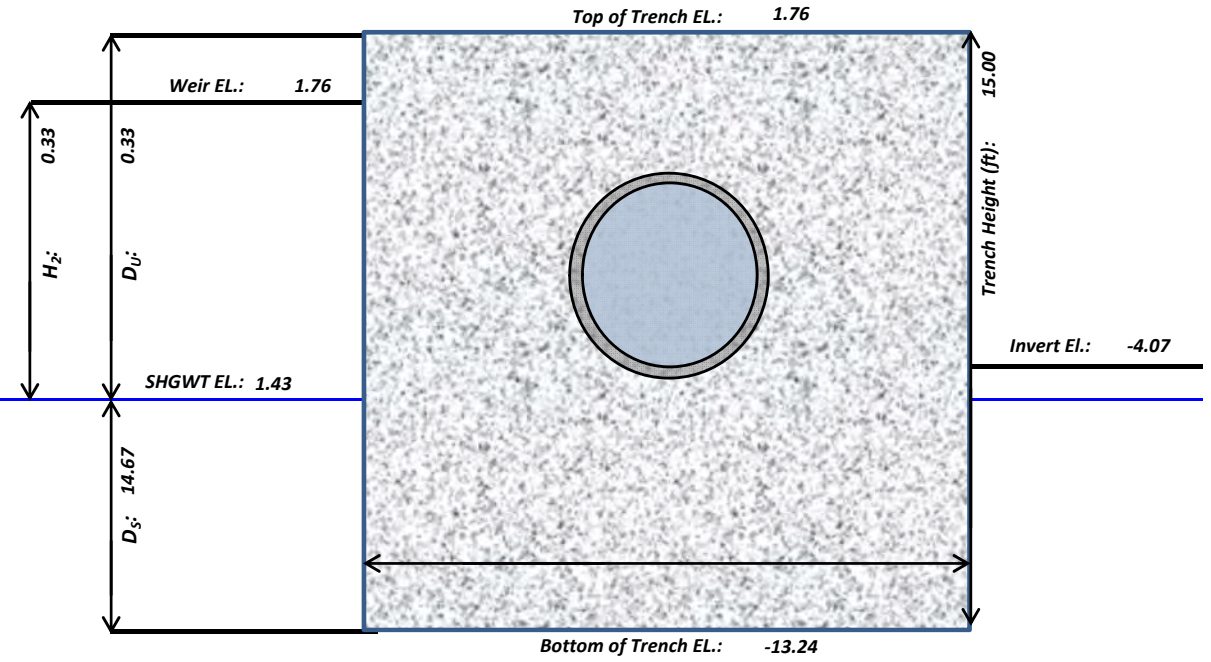
** Per SR-826 Palmetto Expressway (Section 5) SR 826 / SR 836 Interchange - Drainage Report for Segment 1*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 14

French Drain (ICPR Link Name):	EX14S13_14GW1 / EX14S12_14GW1
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	278.0
Safety Factor (SF):	4.00 *
Effective Length of French Drain with Safety Factor, L (LF):	69.50
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	-4.07
Top of Trench EL. (ft-NAVD):	1.76
Bottom of Trench EL. (ft-NAVD):	-13.24
Trench Height, H_T (ft):	15.00
Weir EL. (ft-NAVD):	1.76
Trench Width, W (ft):	5.67
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	8.81E-04
Depth to Water Table, H_2 (ft):	0.33
Non-Saturated Trench Depth, D_U (ft):	0.33
Saturated Trench Depth, D_S (ft):	14.67
H_2W:	1.89
$2H_2D_U$:	0.22
D_U^2:	0.11
$2H_2D_S$:	9.78
$(1.39x10^{-4})WD_U$:	0.000263
d_2:	0.00
d_3:	0.00
K_{10}:	8.81E-04
K_{15}:	8.81E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	0.62
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.05 ****



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

**Note: Safety Factor of 4 used to account for the age of the existing French Drain*

***Note: FD not considered for water quality purposes*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 14

French Drain (ICPR Link Name): EX14S13_14GW1 / EX14S12_14GW1

Existing/Proposed: Existing

Pipe Size (in): 36

1 /2 Length of French Drain, *L* (LF) * : 34.75

Trench Height, H_T (ft): 15.00

Trench Width, *W* (ft): 5.67

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): 8.807E-04

Pipe Invert EL. (ft-NAVD): -4.07

Top of Trench EL. (ft-NAVD): 1.76

Bottom of Trench EL. (ft-NAVD): -13.24

Weir EL. (ft-NAVD): 1.76

Upstream Structure Rim/Grate EL. (ft-NAVD): 2.43

SHGWT EL. (ft-NAVD): 1.43

Max Stage (ft-NAVD): *6.43*

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** 2.43

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	d_1 (ft)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.76**	--	0.33	4.93	0.33	0.00299	**0.1040**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**6.43**	--	0.33	4.93	5.00	0.04626	**1.6074**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**6.43**	5.26	--	5.93	4.00	0.03708	**1.2886**	$E = 2KavgD_P d_1$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

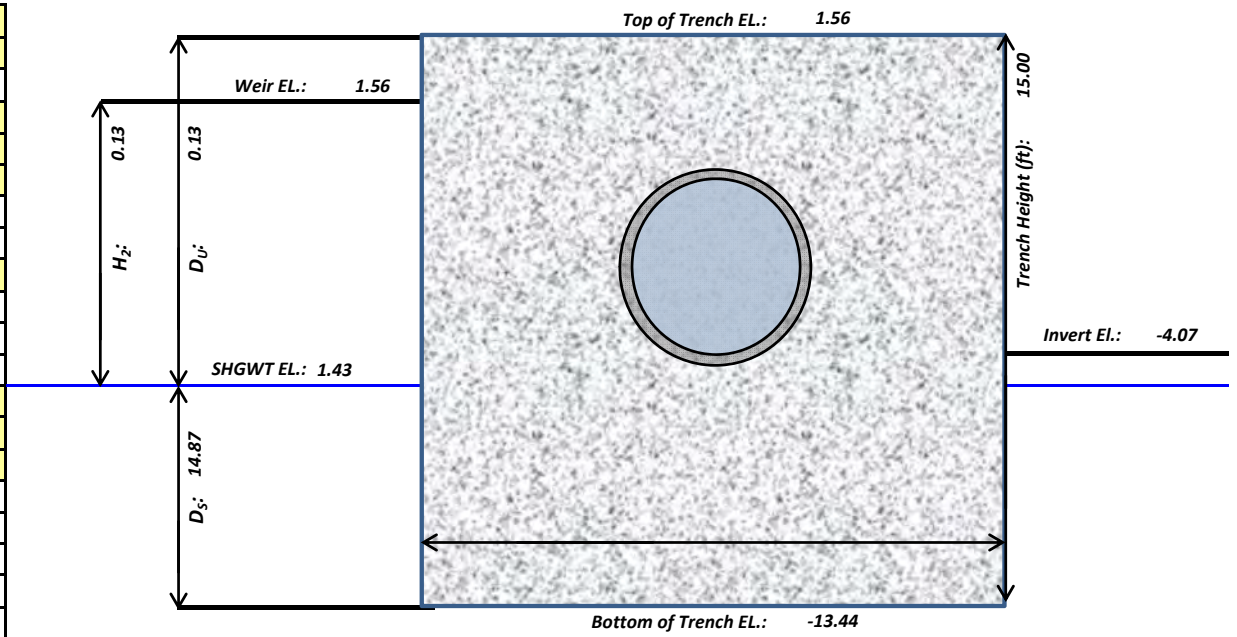
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.76**	**0.1040**
1.43	**6.43**	**1.6074**
2.43	**2.43**	**0.0000**
2.43	**6.43**	**1.2886**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 14

French Drain (ICPR Link Name):	EX14S12_14GW2 / EX14FD_14GW2
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	327.0
Safety Factor (SF):	4.00 *
Effective Length of French Drain with Safety Factor, L (LF):	81.75
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	-4.07
Top of Trench EL. (ft-NAVD):	1.56
Bottom of Trench EL. (ft-NAVD):	-13.44
Trench Height, H_T (ft):	15.00
Weir EL. (ft-NAVD):	1.56
Trench Width, W (ft):	5.67
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	8.81E-04
Depth to Water Table, H_2 (ft):	0.13
Non-Saturated Trench Depth, D_U (ft):	0.13
Saturated Trench Depth, D_S (ft):	14.87
$H_2 W$:	0.76
$2H_2 D_U$:	0.04
D_U^2:	0.02
$2H_2 D_S$:	3.96
$(1.39x10^{-4})WD_U$:	0.000105
d_2:	0.00
d_3:	0.00
K_{10}:	8.81E-04
K_{15}:	8.81E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	0.30
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.02 ****



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

**Note: Safety Factor of 4 used to account for the age of the existing French Drain*

***Note: FD not considered for water quality purposes*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 14

French Drain (ICPR Link Name): EX14S12_14GW2 / EX14FD_14GW2
Existing/Proposed: Existing
Pipe Size (in): 36
1 /2 Length of French Drain, *L* (LF) * : 40.88
Trench Height, H_T (ft): 15.00
Trench Width, *W* (ft): 5.67

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): 8.807E-04
Pipe Invert EL. (ft-NAVD): -4.07
Top of Trench EL. (ft-NAVD): 1.56
Bottom of Trench EL. (ft-NAVD): -13.44
Weir EL. (ft-NAVD): 1.56
Upstream Structure Rim/Grate EL. (ft-NAVD): 2.43

SHGWT EL. (ft-NAVD): 1.43
Max Stage (ft-NAVD): ***6.43***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level 2.43
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	d_1 (ft)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.56**	--	0.13	4.93	0.13	0.00117	**0.0480**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**6.43**	--	0.13	4.93	5.00	0.04458	**1.8221**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**6.43**	5.06	--	5.93	4.00	0.03567	**1.4582**	$E = 2KavgD_P d_1$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

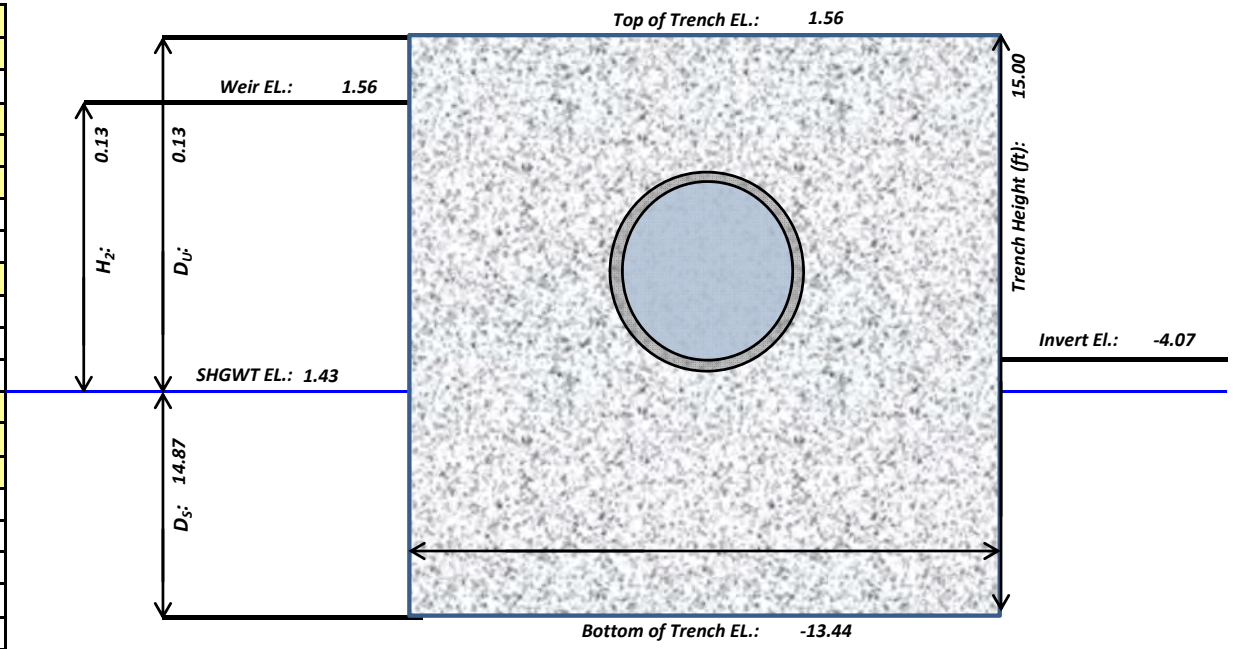
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.56**	**0.0480**
1.43	**6.43**	**1.8221**
2.43	**2.43**	**0.0000**
2.43	**6.43**	**1.4582**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 14

French Drain (ICPR Link Name):	EX14FD_14GW3
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	142.0
Safety Factor (SF):	4.00 *
Effective Length of French Drain with Safety Factor, L (LF):	35.50
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	-4.07
Top of Trench EL. (ft-NAVD):	1.56
Bottom of Trench EL. (ft-NAVD):	-13.44
Trench Height, H_T (ft):	15.00
Weir EL. (ft-NAVD):	1.56
Trench Width, W (ft):	5.67
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	8.81E-04
Depth to Water Table, H_2 (ft):	0.13
Non-Saturated Trench Depth, D_U (ft):	0.13
Saturated Trench Depth, D_S (ft):	14.87
H_2W:	0.76
$2H_2D_U$:	0.04
D_U^2:	0.02
$2H_2D_S$:	3.96
$(1.39x10^{-4})WD_U$:	0.000105
d_2:	0.00
d_3:	0.00
K_{10}:	8.81E-04
K_{15}:	8.81E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	0.13
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.01 ****



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

**Note: Safety Factor of 4 used to account for the age of the existing French Drain*

***Note: FD not considered for water quality purposes*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 14

French Drain (ICPR Link Name): **EX14FD_14GW3**
Existing/Proposed: **Existing**
Pipe Size (in): **36**
1 /2 Length of French Drain, *L* (LF) * : **17.75**
Trench Height, H_T (ft): **15.00**
Trench Width, *W* (ft): **5.67**

Average Hydraulic Conductivity, K_{avg} ($cfs/ft^2/ft$-head): **8.807E-04**
Pipe Invert EL. (ft-NAVD): **-4.07**
Top of Trench EL. (ft-NAVD): **1.56**
Bottom of Trench EL. (ft-NAVD): **-13.44**
Weir EL. (ft-NAVD): **1.56**
Upstream Structure Rim/Grate EL. (ft-NAVD): **3.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***6.43***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**
*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

*** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Operating Table per Condition 3 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	d_1 (ft)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.56**	--	0.13	4.93	0.13	0.00117	**0.0208**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**6.43**	--	0.13	4.93	5.00	0.04458	**0.7912**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**6.43**	5.06	--	5.93	4.00	0.03567	**0.6332**	$E = 2KavgD_P d_1$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

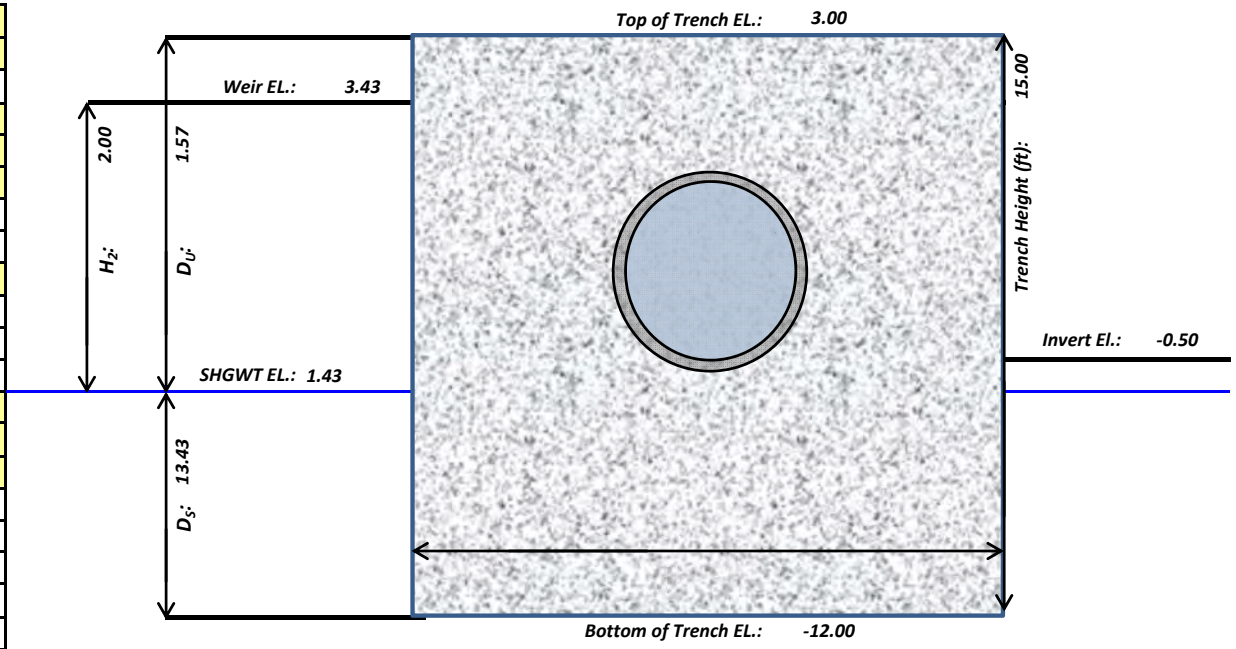
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.56**	**0.0208**
1.43	**6.43**	**0.7912**
2.43	**2.43**	**0.0000**
2.43	**6.43**	**0.6332**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 14

French Drain (ICPR Link Name):	PR14S107_14GW1 / PR14S108_14GW1
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	300.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	150.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	-0.50
Top of Trench EL. (ft-NAVD):	3.00
Bottom of Trench EL. (ft-NAVD):	-12.00
Trench Height, H_T (ft):	15.00
Weir EL. (ft-NAVD):	3.43
Trench Width, W (ft):	5.67
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	8.81E-04
Depth to Water Table, H_2 (ft):	2.00
Non-Saturated Trench Depth, D_U (ft):	1.57
Saturated Trench Depth, D_S (ft):	13.43
H_2W:	11.34
$2H_2D_U$:	6.28
D_U^2:	2.46
$2H_2D_S$:	53.72
$(1.39x10^{-4})WD_U$:	0.001237
d_2:	0.00
d_3:	0.00
K_{10}:	8.81E-04
K_{15}:	8.81E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	7.79
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.65**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 14

French Drain (ICPR Link Name): **PR14S107_14GW1 / PR14S108_14GW1**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **75.00**

Trench Height, H_T (ft): **15.00**

Trench Width, *W* (ft): **5.67**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **8.807E-04**

Pipe Invert EL. (ft-NAVD): **-0.50**

Top of Trench EL. (ft-NAVD): **3.00**

Bottom of Trench EL. (ft-NAVD): **-12.00**

Weir EL. (ft-NAVD): **3.43**

Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**

Max Stage (ft-NAVD): ***6.43***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.43**

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**3.00**	1.57	8.43	1.57	0.02548	**1.9112**	$E = 2K_{10} D_U (D_U/2 + d_S) + 2K_{15} D_U d_2 + 2K_{20} D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**6.43**	1.57	8.43	5.00	0.08590	**6.4424**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P] + 2K_{15} D_P d_2 + 2K_{20} D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.43	**2.50**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**3.00**	0.57	9.93	0.57	0.01026	**0.7692**	$E = 2K_{10} D_U (D_U/2 + d_S) + 2K_{15} D_U d_2 + 2K_{20} D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.43	**6.43**	0.57	9.93	4.00	0.07369	**5.5269**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P] + 2K_{15} D_P d_2 + 2K_{20} D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

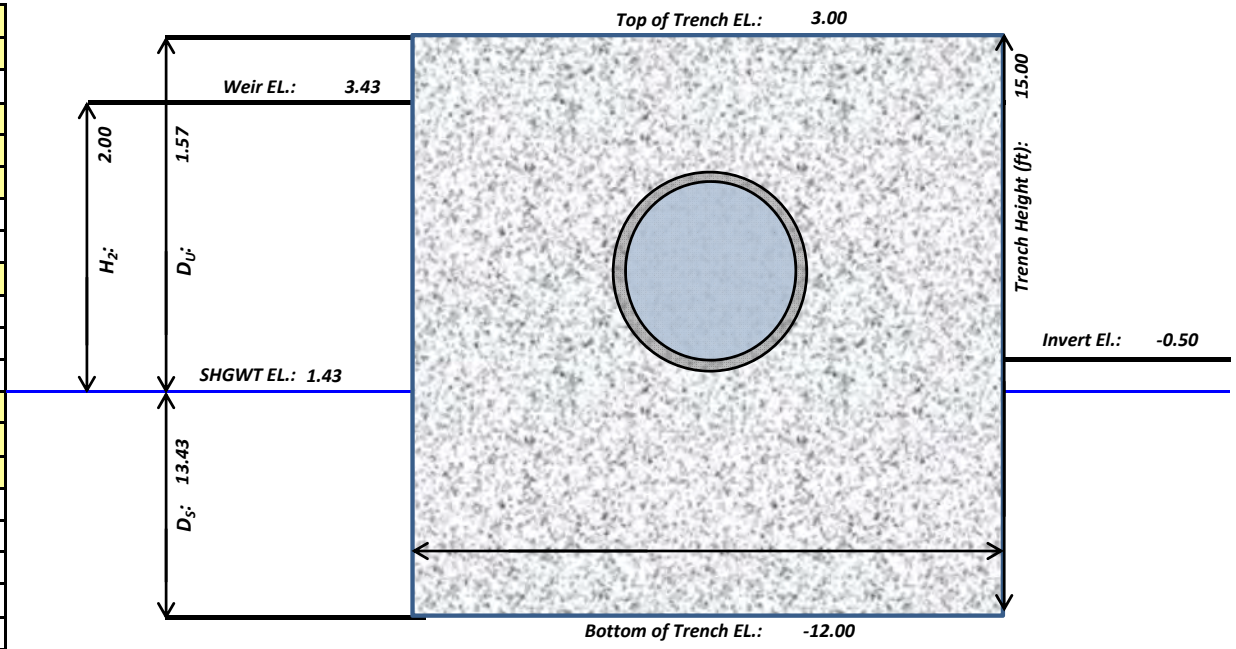
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**3.00**	**1.9112**
1.43	**6.43**	**6.4424**
2.43	**2.50**	**0.0000**
2.43	**3.00**	**0.7692**
2.43	**6.43**	**5.5269**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 14

French Drain (ICPR Link Name):	PR14S106_14GW2/ PR14S107_14GW2
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	279.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	139.50
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	-0.50
Top of Trench EL. (ft-NAVD):	3.00
Bottom of Trench EL. (ft-NAVD):	-12.00
Trench Height, H_T (ft):	15.00
Weir EL. (ft-NAVD):	3.43
Trench Width, W (ft):	5.67
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	8.81E-04
Depth to Water Table, H_2 (ft):	2.00
Non-Saturated Trench Depth, D_U (ft):	1.57
Saturated Trench Depth, D_S (ft):	13.43
H_2W:	11.34
$2H_2D_U$:	6.28
D_U^2:	2.46
$2H_2D_S$:	53.72
$(1.39x10^{-4})WD_U$:	0.001237
d_2:	0.00
d_3:	0.00
K_{10}:	8.81E-04
K_{15}:	8.81E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	7.24
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.60**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 14

French Drain (ICPR Link Name): **PR14S106_14GW2/ PR14S107_14GW2**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **69.75**

Trench Height, H_T (ft): **15.00**

Trench Width, *W* (ft): **5.67**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **8.807E-04**

Pipe Invert EL. (ft-NAVD): **-0.50**

Top of Trench EL. (ft-NAVD): **3.00**

Bottom of Trench EL. (ft-NAVD): **-12.00**

Weir EL. (ft-NAVD): **3.43**

Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**

Max Stage (ft-NAVD): ***6.43***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.43**

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**3.00**	1.57	8.43	1.57	0.02548	**1.7774**	$E = 2K_{10} D_U (D_U/2 + d_S) + 2K_{15} D_U d_2 + 2K_{20} D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**6.43**	1.57	8.43	5.00	0.08590	**5.9915**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P] + 2K_{15} D_P d_2 + 2K_{20} D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.43	**2.50**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**3.00**	0.57	9.93	0.57	0.01026	**0.7153**	$E = 2K_{10} D_U (D_U/2 + d_S) + 2K_{15} D_U d_2 + 2K_{20} D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.43	**6.43**	0.57	9.93	4.00	0.07369	**5.1401**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P] + 2K_{15} D_P d_2 + 2K_{20} D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

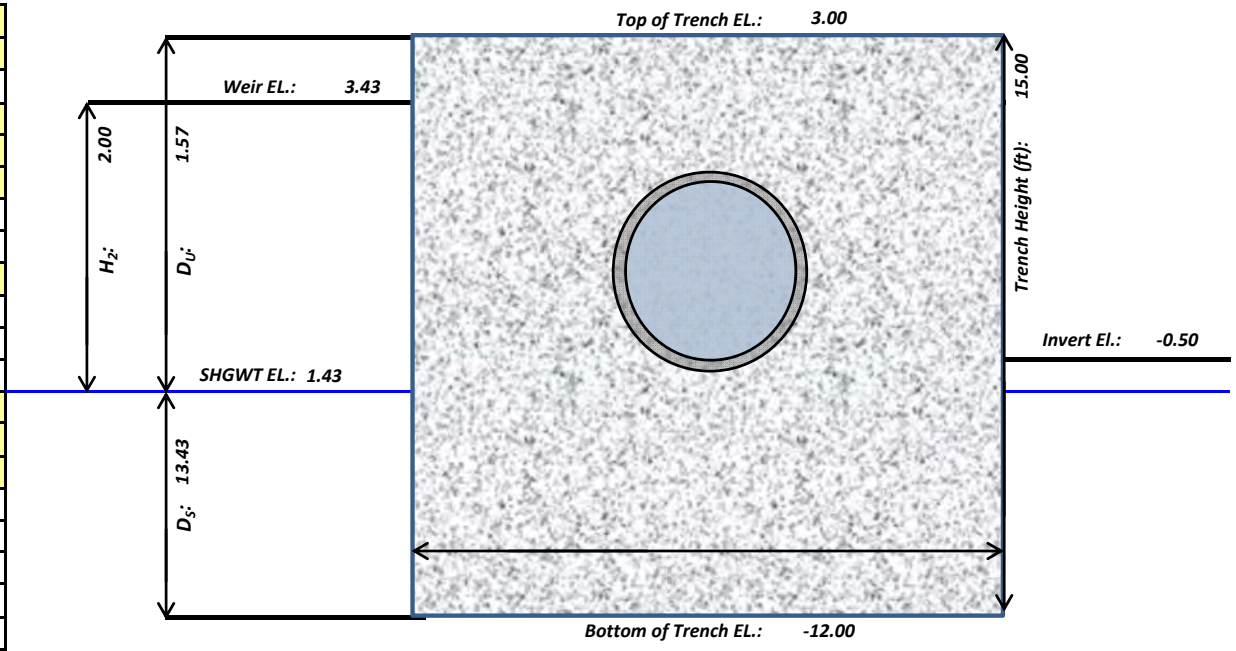
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**3.00**	**1.7774**
1.43	**6.43**	**5.9915**
2.43	**2.50**	**0.0000**
2.43	**3.00**	**0.7153**
2.43	**6.43**	**5.1401**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 14

French Drain (ICPR Link Name):	PR14S105_14GW3 / PR14S106_14GW3
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	239.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	119.50
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	-0.50
Top of Trench EL. (ft-NAVD):	3.00
Bottom of Trench EL. (ft-NAVD):	-12.00
Trench Height, H_T (ft):	15.00
Weir EL. (ft-NAVD):	3.43
Trench Width, W (ft):	5.67
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	8.81E-04
Depth to Water Table, H_2 (ft):	2.00
Non-Saturated Trench Depth, D_U (ft):	1.57
Saturated Trench Depth, D_S (ft):	13.43
H_2W:	11.34
$2H_2D_U$:	6.28
D_U^2:	2.46
$2H_2D_S$:	53.72
$(1.39x10^{-4})WD_U$:	0.001237
d_2:	0.00
d_3:	0.00
K_{10}:	8.81E-04
K_{15}:	8.81E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	6.20
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.52**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 14

French Drain (ICPR Link Name): **PR14S105_14GW3 / PR14S106_14GW3**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **59.75**

Trench Height, H_T (ft): **15.00**

Trench Width, *W* (ft): **5.67**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **8.807E-04**

Pipe Invert EL. (ft-NAVD): **-0.50**

Top of Trench EL. (ft-NAVD): **3.00**

Bottom of Trench EL. (ft-NAVD): **-12.00**

Weir EL. (ft-NAVD): **3.43**

Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**

Max Stage (ft-NAVD): ***6.43***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):** **Average Yearly Highest Ground Water Level** **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**3.00**	1.57	8.43	1.57	0.02548	**1.5226**	$E = 2K_{10} D_U (D_U/2 + d_S) + 2K_{15} D_U d_2 + 2K_{20} D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**6.43**	1.57	8.43	5.00	0.08590	**5.1325**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P] + 2K_{15} D_P d_2 + 2K_{20} D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.43	**2.50**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**3.00**	0.57	9.93	0.57	0.01026	**0.6128**	$E = 2K_{10} D_U (D_U/2 + d_S) + 2K_{15} D_U d_2 + 2K_{20} D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.43	**6.43**	0.57	9.93	4.00	0.07369	**4.4031**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P] + 2K_{15} D_P d_2 + 2K_{20} D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

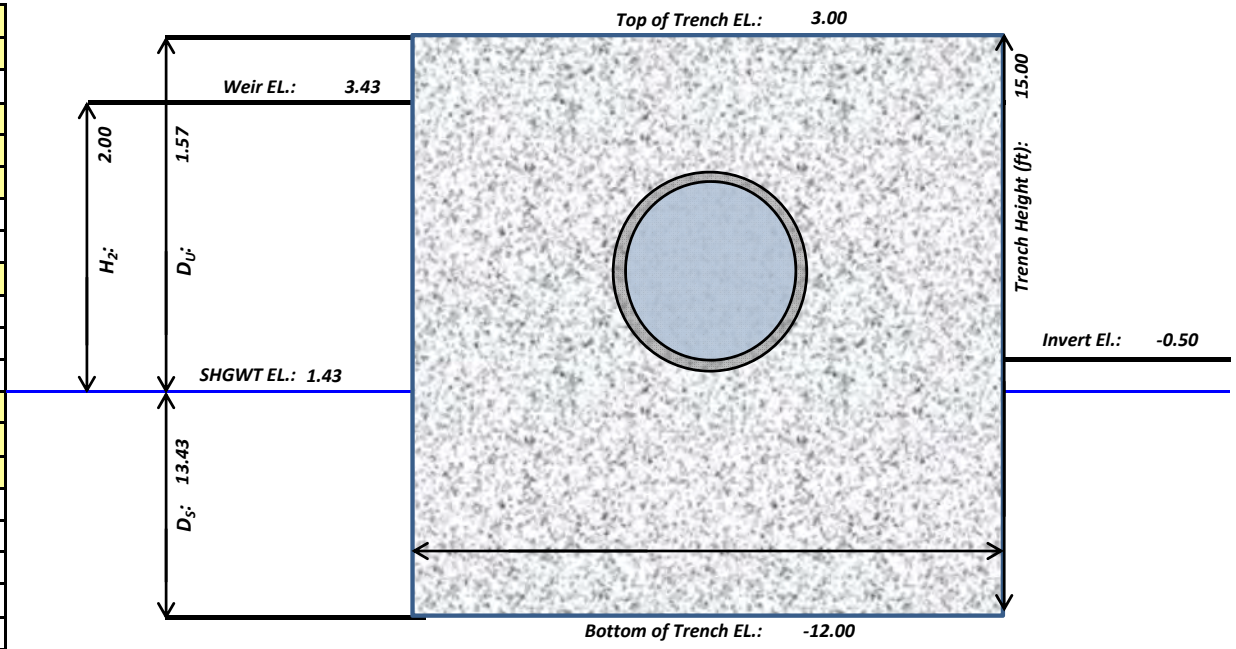
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**3.00**	**1.5226**
1.43	**6.43**	**5.1325**
2.43	**2.50**	**0.0000**
2.43	**3.00**	**0.6128**
2.43	**6.43**	**4.4031**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 14

French Drain (ICPR Link Name):	PR14S104_14GW4 / PR14S105_14GW4
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	203.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	101.50
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	-0.50
Top of Trench EL. (ft-NAVD):	3.00
Bottom of Trench EL. (ft-NAVD):	-12.00
Trench Height, H_T (ft):	15.00
Weir EL. (ft-NAVD):	3.43
Trench Width, W (ft):	5.67
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	8.81E-04
Depth to Water Table, H_2 (ft):	2.00
Non-Saturated Trench Depth, D_U (ft):	1.57
Saturated Trench Depth, D_S (ft):	13.43
H_2W:	11.34
$2H_2D_U$:	6.28
D_U^2:	2.46
$2H_2D_S$:	53.72
$(1.39x10^{-4})WD_U$:	0.001237
d_2:	0.00
d_3:	0.00
K_{10}:	8.81E-04
K_{15}:	8.81E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	5.27
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.44**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 14

French Drain (ICPR Link Name): **PR14S104_14GW4 / PR14S105_14GW4**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **50.75**

Trench Height, H_T (ft): **15.00**

Trench Width, *W* (ft): **5.67**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **8.807E-04**

Pipe Invert EL. (ft-NAVD): **-0.50**

Top of Trench EL. (ft-NAVD): **3.00**

Bottom of Trench EL. (ft-NAVD): **-12.00**

Weir EL. (ft-NAVD): **3.43**

Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**

Max Stage (ft-NAVD): ***6.43***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**3.00**	1.57	8.43	1.57	0.02548	**1.2933**	$E = 2K_{10} D_U (D_U/2 + d_S) + 2K_{15} D_U d_2 + 2K_{20} D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**6.43**	1.57	8.43	5.00	0.08590	**4.3594**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P] + 2K_{15} D_P d_2 + 2K_{20} D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.43	**2.50**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**3.00**	0.57	9.93	0.57	0.01026	**0.5205**	$E = 2K_{10} D_U (D_U/2 + d_S) + 2K_{15} D_U d_2 + 2K_{20} D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.43	**6.43**	0.57	9.93	4.00	0.07369	**3.7399**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P] + 2K_{15} D_P d_2 + 2K_{20} D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

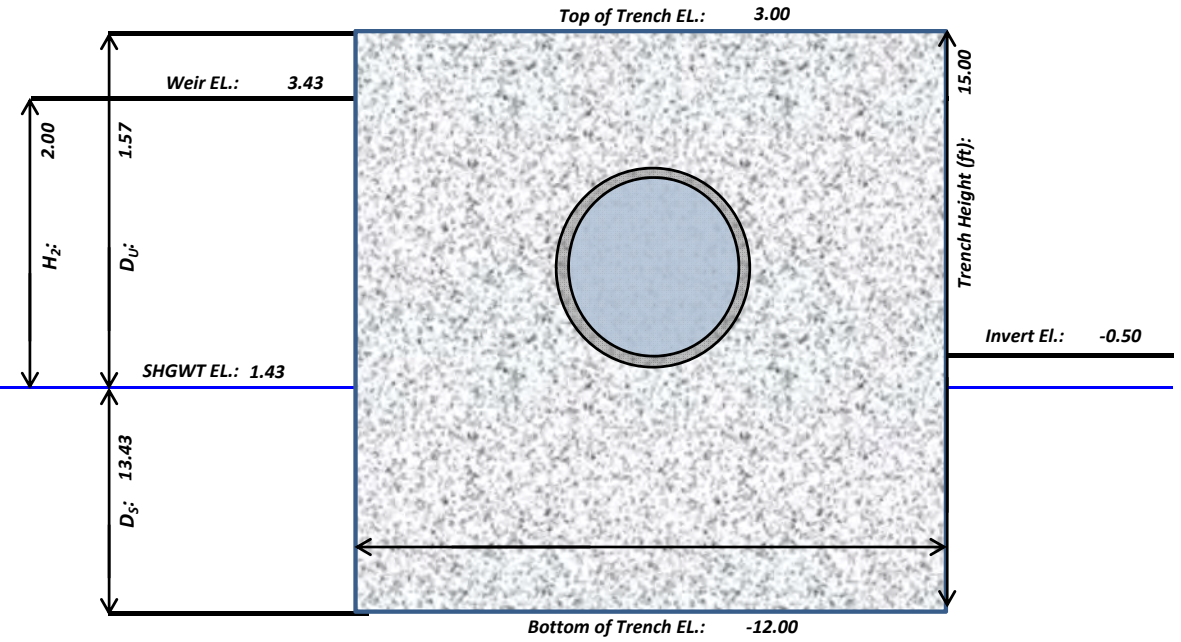
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**3.00**	**1.2933**
1.43	**6.43**	**4.3594**
2.43	**2.50**	**0.0000**
2.43	**3.00**	**0.5205**
2.43	**6.43**	**3.7399**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 14

French Drain (ICPR Link Name):	PR14S103_14GW5 / PR14S104_14GW5
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	365.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	182.50
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	-0.50
Top of Trench EL. (ft-NAVD):	3.00
Bottom of Trench EL. (ft-NAVD):	-12.00
Trench Height, H_T (ft):	15.00
Weir EL. (ft-NAVD):	3.43
Trench Width, W (ft):	5.67
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	8.81E-04
Depth to Water Table, H_2 (ft):	2.00
Non-Saturated Trench Depth, D_U (ft):	1.57
Saturated Trench Depth, D_S (ft):	13.43
H_2W:	11.34
$2H_2D_U$:	6.28
D_U^2:	2.46
$2H_2D_S$:	53.72
$(1.39x10^{-4})WD_U$:	0.001237
d_2:	0.00
d_3:	0.00
K_{10}:	8.81E-04
K_{15}:	8.81E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	9.47
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.79**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 14

French Drain (ICPR Link Name): **PR14S103_14GW5 / PR14S104_14GW5**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **91.25**

Trench Height, H_T (ft): **15.00**

Trench Width, *W* (ft): **5.67**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **8.807E-04**

Pipe Invert EL. (ft-NAVD): **-0.50**

Top of Trench EL. (ft-NAVD): **3.00**

Bottom of Trench EL. (ft-NAVD): **-12.00**

Weir EL. (ft-NAVD): **3.43**

Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**

Max Stage (ft-NAVD): ***6.43***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):** **Average Yearly Highest Ground Water Level** **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**3.00**	1.57	8.43	1.57	0.02548	**2.3253**	$E = 2K_{10} D_U (D_U/2 + d_S) + 2K_{15} D_U d_2 + 2K_{20} D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**6.43**	1.57	8.43	5.00	0.08590	**7.8383**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P] + 2K_{15} D_P d_2 + 2K_{20} D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.43	**2.50**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**3.00**	0.57	9.93	0.57	0.01026	**0.9358**	$E = 2K_{10} D_U (D_U/2 + d_S) + 2K_{15} D_U d_2 + 2K_{20} D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.43	**6.43**	0.57	9.93	4.00	0.07369	**6.7245**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P] + 2K_{15} D_P d_2 + 2K_{20} D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**3.00**	**2.3253**
1.43	**6.43**	**7.8383**
2.43	**2.50**	**0.0000**
2.43	**3.00**	**0.9358**
2.43	**6.43**	**6.7245**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

DRAINAGE SYSTEM SUMMARY TABLES

Drainage System: ***14, 15, AND 16***

Summary of Peak Discharges			
Receiving Waterbody:	**C-4 Canal**		
PRE-DEVELOPMENT			
ICPR Node	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
C-4 CANAL_1	15.41	54.09	14.94
C-4 CANAL_2	7.50	83.12	18.09
PRE-DEVELOPMENT TOTALS:	**22.91**	**137.21**	**33.03**
POST-DEVELOPMENT			
ICPR Node	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
C-4 CANAL_1	35.41	78.95	35.41
C-4 CANAL_2	3.39	56.17	5.09
POST-DEVELOPMENT TOTALS:	**38.80**	**135.12**	**40.50**
Pre-Post 25yr-72hr Peak Discharge Reduction (cfs):	***2.09***		

Summary of Peak Stages									
				PRE-DEVELOPMENT			POST-DEVELOPMENT		
Pond/ Swale/ FD #	**Type: [Wet/Dry, Det./Ret., FD]**	**Disposition [Exist./ Prop./ Modified]**	**Warning EL. [Min. Berm/ Min. EOP] (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**
POND 14W1	Wet	Modified	5.00	3.53	3.91	3.63	2.45	2.95	2.47
POND 14W2	Dry	Exist.	5.03	4.61	5.67	4.98	-	-	-
POND 14W3	Dry	Exist.	5.30	4.61	5.67	4.98	-	-	-
POND 14W4	Dry	Exist.	5.43	4.61	5.66	4.98	-	-	-
PR14S103	FD	Prop.	6.00	-	-	-	2.45	3.66	2.50
PR14S104	FD	Prop.	5.43	-	-	-	2.46	4.76	2.56
PR14S105	FD	Prop.	5.42	-	-	-	2.47	5.12	2.59
PR14S106	FD	Prop.	5.42	-	-	-	2.47	5.75	2.62
PR14S107	FD	Prop.	5.42	-	-	-	2.48	5.86	2.63
PR14S108	FD	Prop.	4.68	-	-	-	2.47	5.85	2.63
POND 15E1	Dry	Modified	5.00	3.30	3.69	3.39	2.80	3.57	3.19
POND 15E2	Dry	Modified	5.00	3.31	3.69	3.39	2.80	3.57	3.19
SWALE 15E1	Dry	Exist.	5.19	4.52	5.59	4.78	-	-	-
SWALE 15E2	Dry	Exist.	5.65	4.50	5.55	4.75	-	-	-
SWALE 15E3	Dry	Exist.	6.93	3.99	4.27	4.03	-	-	-
PR15S101	FD	Prop.	6.00	-	-	-	2.78	3.63	3.17
PR15S102	FD	Prop.	4.93	-	-	-	2.77	3.73	3.16
PR15S103	FD	Prop.	4.93	-	-	-	2.77	3.97	3.15
PR15S104	FD	Prop.	5.42	-	-	-	2.77	4.04	3.15
PR15S105	FD	Prop.	4.93	-	-	-	2.77	4.08	3.14
POND 16E1	Dry	Exist.	8.43	3.52	3.78	3.55	3.51	3.75	3.54
PR16S94	FD	Prop.	8.93	-	-	-	2.57	4.27	2.62

Control Structure Summary Table - Proposed Conditions					
Control Structure:	**Disposition [Exist./ Prop./ Modified]**	**Weir Type/ Geometry**	**Weir EL. (ft-NAVD)**	**Bleeder Type/ Geometry**	**Bleeder Invert EL. (ft-NAVD)**
PR14S38A	Prop.	Horizontal / Rectangular	2.00	-	-
EX15S93_WEIR	Exist.	Horizontal / Rectangular	3.23	-	-
EX16S99	Exist.	Horizontal/ Rectangular	3.43	-	-

System 15

Pre-Development Land Use Tables
Post-Development Land Use Tables
Water Quality Summary Table
Drainage Calculations

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

PRE-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 15 **SHGWT EL. (ft-NAVD): 1.43**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
15B03_1	**10**	**0.58**	**0.58**	0.58	0.00	0.00	**0.00**	0.00	0.00	0.00	8.00	6.57	8.18	**98.00**
15B03_2	**10**	**0.05**	**0.05**	0.00	0.00	0.05	**0.00**	0.00	0.00	0.00	4.30	2.87	1.88	**84.18**
15B06_1	**10**	**0.32**	**0.32**	0.32	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.57	8.18	**98.00**
15B06_2	**10**	**0.03**	**0.03**	0.00	0.00	0.03	**0.00**	0.00	0.00	0.00	4.30	2.87	1.88	**85.53**
15B11_1	**10**	**0.55**	**0.55**	0.55	0.00	0.00	**0.00**	0.00	0.00	0.00	18.00	16.57	8.18	**98.00**
15B11_2	**10**	**0.10**	**0.10**	0.00	0.00	0.10	**0.00**	0.00	0.00	0.00	5.00	3.57	4.95	**66.89**
15B29	**10**	**0.64**	**0.64**	0.64	0.00	0.00	**0.00**	0.00	0.00	0.00	28.00	26.57	8.18	**98.00**
15B31	**10**	**0.18**	**0.18**	0.18	0.00	0.00	**0.00**	0.00	0.00	0.00	28.00	26.57	8.18	**98.00**
15B33	**10**	**0.21**	**0.21**	0.21	0.00	0.00	**0.00**	0.00	0.00	0.00	25.00	23.57	8.18	**98.00**
15B35	**10**	**0.20**	**0.20**	0.20	0.00	0.00	**0.00**	0.00	0.00	0.00	24.00	22.57	8.18	**98.00**
15B36	**10**	**0.29**	**0.29**	0.29	0.00	0.00	**0.00**	0.00	0.00	0.00	22.00	20.57	8.18	**98.00**
15B40	**10**	**0.65**	**0.65**	0.65	0.00	0.00	**0.00**	0.00	0.00	0.00	17.00	15.57	8.18	**98.00**
15B41	**10**	**0.60**	**0.60**	0.60	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.57	8.18	**98.00**
15B43	**10**	**0.51**	**0.51**	0.51	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.57	8.18	**98.00**
15B68	**10**	**0.36**	**0.36**	0.36	0.00	0.00	**0.00**	0.00	0.00	0.00	8.00	6.57	8.18	**98.00**
POND 15E1	**10**	**2.83**	**2.83**	0.22	0.00	2.61	**0.00**	0.00	0.00	0.00	8.00	6.57	8.18	**57.00**
POND 15E2	**10**	**1.45**	**1.45**	0.00	0.00	1.45	**0.00**	0.00	0.00	0.00	5.00	3.57	4.95	**66.89**
15B05-OFFSITE	**10**	**0.89**	**0.00**	0.00	0.00	0.00	**0.89**	0.17	0.00	0.72	5.00	3.57	4.95	**71.41**
15B06-OFFSITE	**10**	**0.80**	**0.00**	0.00	0.00	0.00	**0.80**	0.42	0.00	0.38	6.00	4.57	8.18	**72.02**
15B07-OFFSITE	**10**	**0.53**	**0.00**	0.00	0.00	0.00	**0.53**	0.24	0.00	0.29	6.00	4.57	8.18	**69.08**
15B08-OFFSITE	**10**	**2.04**	**0.00**	0.00	0.00	0.00	**2.04**	1.16	0.00	0.88	6.00	4.57	8.18	**73.92**
SYSTEM TOTALS		**13.81**	**9.55**	**5.31**	**0.00**	**4.24**	**4.26**	**1.99**	**0.00**	**2.27**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 15 **SHGWT EL. (ft-NAVD): 1.43**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
15B03	**10**	**0.96**	**0.96**	0.96	0.00	0.00	**0.00**	0.00	0.00	0.00	8.00	6.57	8.18	**98.00**
15B06	**10**	**0.47**	**0.47**	0.47	0.00	0.00	**0.00**	0.00	0.00	0.00	11.00	9.57	8.18	**98.00**
15B11	**10**	**0.81**	**0.81**	0.81	0.00	0.00	**0.00**	0.00	0.00	0.00	5.00	3.57	4.95	**98.00**
15B29	**10**	**0.64**	**0.64**	0.64	0.00	0.00	**0.00**	0.00	0.00	0.00	28.00	26.57	8.18	**98.00**
15B31	**10**	**0.12**	**0.12**	0.12	0.00	0.00	**0.00**	0.00	0.00	0.00	28.00	26.57	8.18	**98.00**
15B33	**10**	**0.21**	**0.21**	0.21	0.00	0.00	**0.00**	0.00	0.00	0.00	25.00	23.57	8.18	**98.00**
15B35	**10**	**0.16**	**0.16**	0.16	0.00	0.00	**0.00**	0.00	0.00	0.00	24.00	22.57	8.18	**98.00**
15B36	**10**	**0.28**	**0.28**	0.28	0.00	0.00	**0.00**	0.00	0.00	0.00	22.00	20.57	8.18	**98.00**
15B40	**10**	**0.69**	**0.69**	0.69	0.00	0.00	**0.00**	0.00	0.00	0.00	17.00	15.57	8.18	**98.00**
15B41	**10**	**0.82**	**0.82**	0.82	0.00	0.00	**0.00**	0.00	0.00	0.00	12.00	10.57	8.18	**98.00**
15B43	**10**	**0.51**	**0.51**	0.51	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.57	8.18	**98.00**
15B68	**10**	**0.59**	**0.59**	0.59	0.00	0.00	**0.00**	0.00	0.00	0.00	8.00	6.57	8.18	**98.00**
POND 15E1	**10**	**2.71**	**2.71**	0.22	0.00	2.49	**0.00**	0.00	0.00	0.00	8.00	6.57	8.18	**57.09**
POND 15E2	**10**	**1.13**	**1.13**	0.00	0.00	1.13	**0.00**	0.00	0.00	0.00	5.00	3.57	4.95	**66.89**
15B05-ONSITE	**10**	**0.29**	**0.29**	0.17	0.00	0.12	**0.00**	0.00	0.00	0.00	5.00	3.57	4.95	**83.00**
15B05-OFFSITE	**10**	**0.46**	**0.00**	0.00	0.00	0.00	**0.46**	0.20	0.00	0.26	5.00	3.57	4.95	**78.14**
15B06-ONSITE	**10**	**0.26**	**0.26**	0.22	0.00	0.04	**0.00**	0.00	0.00	0.00	6.00	4.57	8.18	**88.82**
15B06-OFFSITE	**10**	**0.36**	**0.00**	0.00	0.00	0.00	**0.36**	0.26	0.00	0.10	6.00	4.57	8.18	**81.48**
15B07-ONSITE	**10**	**0.17**	**0.17**	0.12	0.00	0.05	**0.00**	0.00	0.00	0.00	6.00	4.57	8.18	**80.61**
15B07-OFFSITE	**10**	**0.24**	**0.00**	0.00	0.00	0.00	**0.24**	0.15	0.00	0.09	6.00	4.57	8.18	**76.53**
15B08-ONSITE	**10**	**0.64**	**0.64**	0.52	0.00	0.12	**0.00**	0.00	0.00	0.00	6.00	4.57	8.18	**86.70**
15B08-OFFSITE	**10**	**0.98**	**0.00**	0.00	0.00	0.00	**0.98**	0.76	0.00	0.22	6.00	4.57	8.18	**84.49**
SYSTEM TOTALS		**13.50**	**11.46**	**7.51**	**0.00**	**3.95**	**2.04**	**1.37**	**0.00**	**0.67**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY SUMMARY

Drainage System: ***15***

SYSTEM	SHGWT EL. (ft-NAVD)	TOTAL ONSITE AREA (Ac.) *[POST-DEV.]*	ONSITE IMPERVIOUS AREA (Ac.) *[POST-DEV.]*	ONSITE PERVIOUS AREA (Ac.) *[POST-DEV.]*	SFWMD 1" OVER TOTAL ONSITE AREA (Ac-ft)	SFWMD 2.5" OVER IMPERVIOUS AREA (Ac-ft)	[1] SFWMD WATER QUALITY TREATMENT REQUIRED FOR RETENTION (Ac-ft)	[2] DRER WATER QUALITY TREATMENT REQUIRED (Ac-ft)	[3] DRY- / WET-RETENTION TREATMENT VOLUME PROVIDED (Ac-ft)	FRENCH DRAIN TREATMENT VOLUME PROVIDED (Ac-ft)	TOTAL TREATMENT VOLUME PROVIDED (Ac-ft)	SFWMD SURPLUS TREATMENT VOLUME PROVIDED (Ac-ft)
15	1.43	11.46	7.51	3.95	0.96	1.56	**1.56**	**1.41**	3.44	1.00	**4.44**	**2.87**
SYSTEM TOTAL	1.43	11.46	7.51	3.95	0.96	1.56	**1.56**	**1.41**	3.44	1.00	**4.44**	**2.87**

[1] 2.5" over Additional Impervious Area.

[2] See next page for water quality calculations by Miami-Dade Department of Regulatory and Economic Resources (DRER).

[3] Multiplied by 2 to account for 50% retention volume credit.

POND 15E1			POND 15E2		
TYPE:	Dry Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.43	1.63	0.00	2.43	0.47	0.00
3.00	1.67	0.94	3.00	0.50	0.28
3.23	**1.69**	**1.33**	**3.23**	**0.51**	**0.39**
4.00	1.74	2.65	4.00	0.55	0.80
5.00	1.80	4.42	5.00	0.60	1.38
6.00	1.87	6.25	6.00	0.66	2.01

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY CALCULATIONS BY DRER

Drainage System: 15

AREA:

Onsite Impervious	**7.51**	Ac.	66%
Onsite Pervious	**3.95**	Ac.	34%
Total Area	**11.46**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.69 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV}) / A_T = \mathbf{0.69}$$

$t_{1"}$ = 13.81 min.

TOTAL TIME OF CONCENTRATION (T_T)

$T_T = t_{1"} + Tc =$ 23.81 min.

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.43 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ Q_{1"}\ T_T =$ **61583.23 cf** **1.41 ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS
VARIABLE GROUNDWATER CALCULATIONS

Drainage System: **15**

Stage = DHW + [PRG x (RF - DHW)]
See ADICPR Technical Design Guide 2-25

Elevation Conversion:	-1.57	ft.	(NGVD-NAVD)

DHW =	3.00	ft. - NGVD	Design High Water / October Average Groundwater Elevation
	1.43	ft. - NAVD	(MD PWD - W.C. 2.2)
RF =	4.00	ft. - NGVD	Return Frequency Groundwater Elevation / Average Yearly Highest Groundwater Level (AYH) (MD
	2.43	ft. - NAVD	PWD - W.C. 2.1)
PRG=	Variable		(Percentage Rise in Groundwater)

8HR DESIGN STORM DURATION

TIME (hrs)	PRG %	STAGE (ft-NAVD)
0	0.00	1.43
1	0.02	1.45
2	0.13	1.56
3	0.28	1.71
4	0.70	2.13
5	0.86	2.29
6	0.92	2.35
7	0.97	2.40
8	1.00	2.43
12	0.00	1.43

24HR DESIGN STORM DURATION

TIME (hrs)	PRG %	STAGE (ft-NAVD)
0.00	0.00	1.43
1.00	0.01	1.44
2.00	0.03	1.46
3.00	0.06	1.49
4.00	0.09	1.52
5.00	0.12	1.55
6.00	0.16	1.59
7.00	0.20	1.63
8.00	0.24	1.67
9.00	0.30	1.73
10.00	0.36	1.79
11.00	0.44	1.87
12.00	0.54	1.97
13.00	0.61	2.04
14.00	0.67	2.10
15.00	0.73	2.16
16.00	0.78	2.21
17.00	0.82	2.25
18.00	0.86	2.29
19.00	0.90	2.33
20.00	0.93	2.36
21.00	0.96	2.39
22.00	0.98	2.41
23.00	0.99	2.42
24.00	1.00	2.43
36.00	0.00	1.43

72HR DESIGN STORM DURATION

TIME (hrs)	PRG %	STAGE (ft-NAVD)
0.00	0.00	1.43
24.00	0.11	1.54
36.00	0.19	1.62
48.00	0.26	1.69
49.00	0.27	1.70
50.00	0.28	1.71
51.00	0.29	1.72
52.00	0.30	1.73
53.00	0.31	1.74
54.00	0.33	1.76
55.00	0.34	1.77
56.00	0.37	1.80
57.00	0.39	1.82
57.50	0.40	1.83
58.00	0.42	1.85
58.50	0.44	1.87
59.00	0.46	1.89
59.50	0.50	1.93
60.00	0.75	2.18
60.50	0.80	2.23
61.00	0.83	2.26
61.50	0.85	2.28
62.00	0.87	2.30
62.50	0.88	2.31
63.00	0.89	2.32
64.00	0.91	2.34
65.00	0.92	2.35
66.00	0.94	2.37
68.00	0.96	2.39
70.00	0.98	2.41
72.00	1.00	2.43
108.00	0.00	1.43

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

VARIABLE TAILWATER*

Drainage System: **15**

8HR DESIGN STORM DURATION		24HR DESIGN STORM DURATION		72HR DESIGN STORM DURATION	
TIME (hrs)	STAGE (ft-NGVD)	TIME (hrs)	STAGE (ft-NGVD)	TIME (hrs)	STAGE (ft-NGVD)
0.00	1.43	0.00	1.43	0.00	1.43
8.00	2.43	12.50	2.43	60.50	2.43
12.00	2.43	24.00	2.43	72.00	2.43
36.00	1.43	48.00	1.43	96.00	1.43

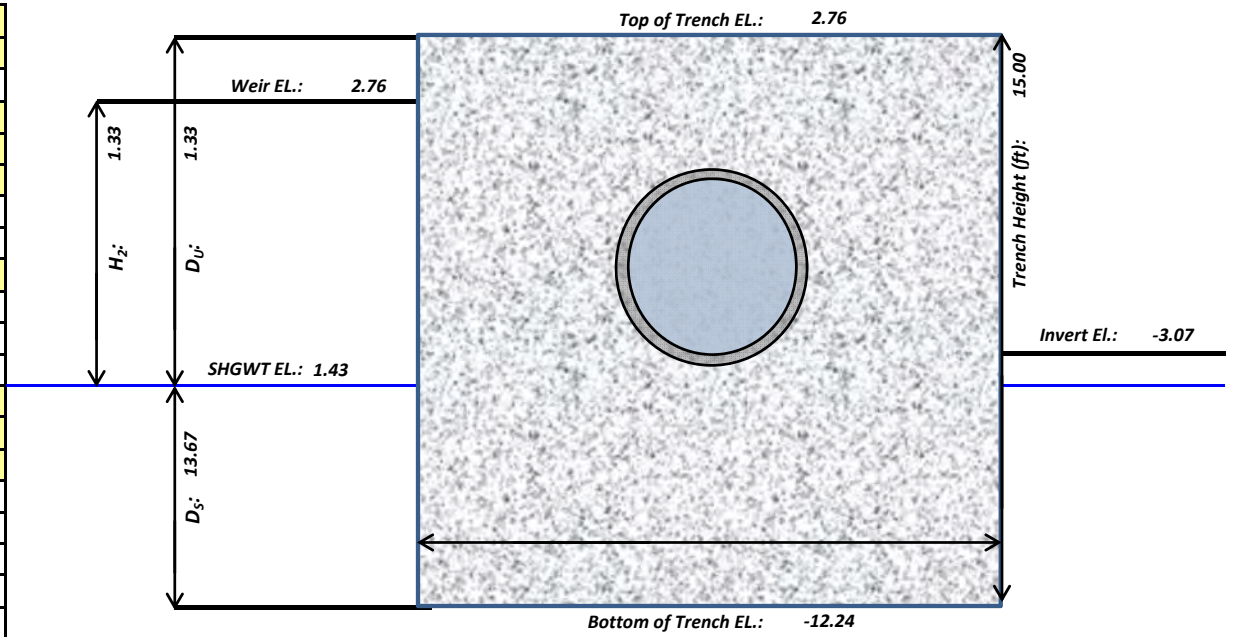
** Per SR-826 Palmetto Expressway (Section 5) SR 826 / SR 836 Interchange - Drainage Report for Segment 1*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 15

French Drain (ICPR Link Name):	**EX15N710C_15GW1 / EX15N710E_15GW1**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.43**
Pipe Size (in):	**36**
Effective Length of French Drain, *L* (LF):	**178.0**
Safety Factor (SF):	**4.00 ***
Effective Length of French Drain with Safety Factor, *L* (LF):	**44.50**
Pipe Thickness (in):	**4.00**
Pipe Invert EL. (ft-NAVD):	**-3.07**
Top of Trench EL. (ft-NAVD):	2.76
Bottom of Trench EL. (ft-NAVD):	-12.24
Trench Height, H_T (ft):	15.00
Weir EL. (ft-NAVD):	2.76
Trench Width, *W* (ft):	5.67
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**8.81E-04**
Depth to Water Table, H_2 (ft):	1.33
Non-Saturated Trench Depth, D_U (ft):	1.33
Saturated Trench Depth, D_S (ft):	13.67
H_2W:	7.56
$2H_2D_U$:	3.56
D_U^2:	1.78
$2H_2D_S$:	36.44
$(1.39x10^{-4})WD_U$:	0.001051
d_2:	0.00
d_3:	0.00
K_{10}:	8.81E-04
K_{15}:	8.81E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	**N/A**
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	**1.54**
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**0.13 ****



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

**Note: Safety Factor of 4 used to account for the age of the existing French Drain*

***Note: FD not considered for water quality purposes*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 15

French Drain (ICPR Link Name): EX15N710C_15GW1 / EX15N710E_15GW1

Existing/Proposed: Existing

Pipe Size (in): 36

1 /2 Length of French Drain, *L* (LF) * : 22.25

Trench Height, H_T (ft): 15.00

Trench Width, *W* (ft): 5.67

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} ($cfs/ft^2/ft$-head): 8.807E-04

Pipe Invert EL. (ft-NAVD): -3.07

Top of Trench EL. (ft-NAVD): 2.76

Bottom of Trench EL. (ft-NAVD): -12.24

Weir EL. (ft-NAVD): 2.76

Upstream Structure Rim/Grate EL. (ft-NAVD): 3.99

SHGWT EL. (ft-NAVD): 1.43

Max Stage (ft-NAVD): ***6.43***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** 2.43

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	d_1 (ft)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**2.76**	--	1.33	4.93	1.33	0.01314	**0.2925**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**6.43**	--	1.33	4.93	5.00	0.05360	**1.1925**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**6.43**	6.26	--	5.93	4.00	0.04413	**0.9819**	$E = 2KavgD_P d_1$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

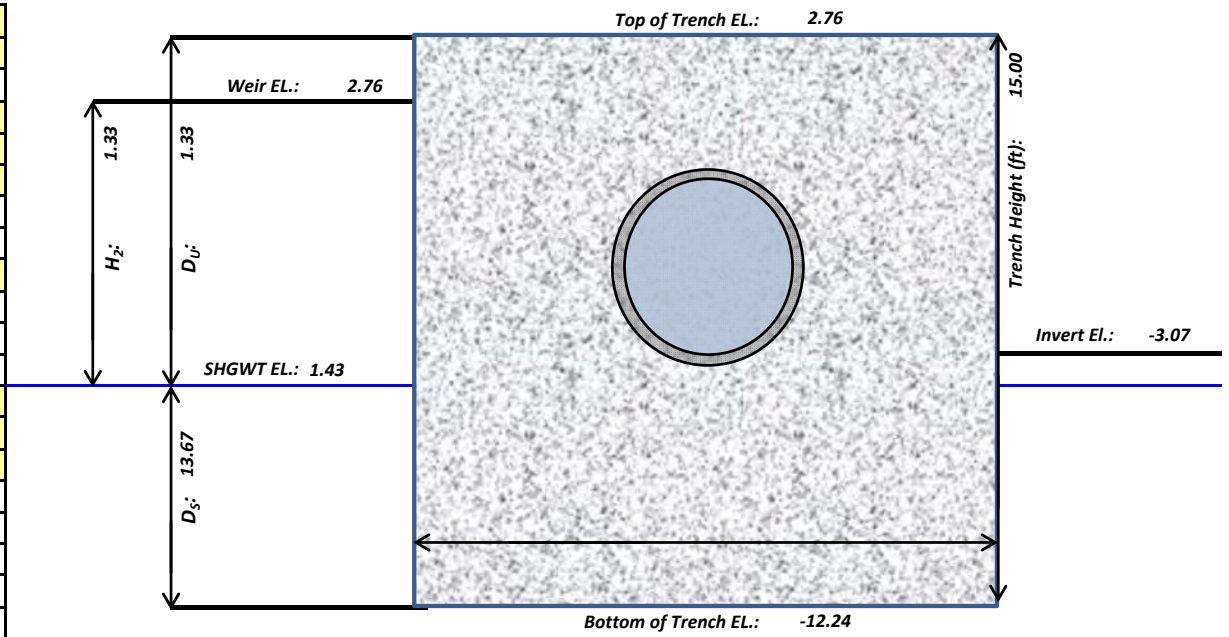
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**2.76**	**0.2925**
1.43	**6.43**	**1.1925**
2.43	**2.43**	**0.0000**
2.43	**6.43**	**0.9819**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 15

French Drain (ICPR Link Name):	EX15N710E_15GW2 / EX15FE_15GW2
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	230.0
Safety Factor (SF):	4.00 *
Effective Length of French Drain with Safety Factor, L (LF):	57.50
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	2.76
Bottom of Trench EL. (ft-NAVD):	-12.24
Trench Height, H_T (ft):	15.00
Weir EL. (ft-NAVD):	2.76
Trench Width, W (ft):	5.67
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	8.81E-04
Depth to Water Table, H_2 (ft):	1.33
Non-Saturated Trench Depth, D_U (ft):	1.33
Saturated Trench Depth, D_S (ft):	13.67
H_2W:	7.56
$2H_2D_U$:	3.56
D_U^2:	1.78
$2H_2D_S$:	36.44
$(1.39x10^{-4})WD_U$:	0.001051
d_2:	0.00
d_3:	0.00
K_{10}:	8.81E-04
K_{15}:	8.81E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	2.00
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.17 ****



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

**Note: Safety Factor of 4 used to account for the age of the existing French Drain*

***Note: FD not considered for water quality purposes*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 15

French Drain (ICPR Link Name): EX15N710E_15GW2 / EX15FE_15GW2
Existing/Proposed: Existing
Pipe Size (in): 36
1 /2 Length of French Drain, *L* (LF) * : 28.75
Trench Height, H_T (ft): 15.00
Trench Width, *W* (ft): 5.67

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): 8.807E-04
Pipe Invert EL. (ft-NAVD): -3.07
Top of Trench EL. (ft-NAVD): 2.76
Bottom of Trench EL. (ft-NAVD): -12.24
Weir EL. (ft-NAVD): 2.76
Upstream Structure Rim/Grate EL. (ft-NAVD): 4.23

SHGWT EL. (ft-NAVD): 1.43
Max Stage (ft-NAVD): *6.43*

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level 2.43

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	d_1 (ft)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**2.76**	--	1.33	4.93	1.33	0.01314	**0.3779**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**6.43**	--	1.33	4.93	5.00	0.05360	**1.5409**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**6.43**	6.26	--	5.93	4.00	0.04413	**1.2687**	$E = 2KavgD_P d_1$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

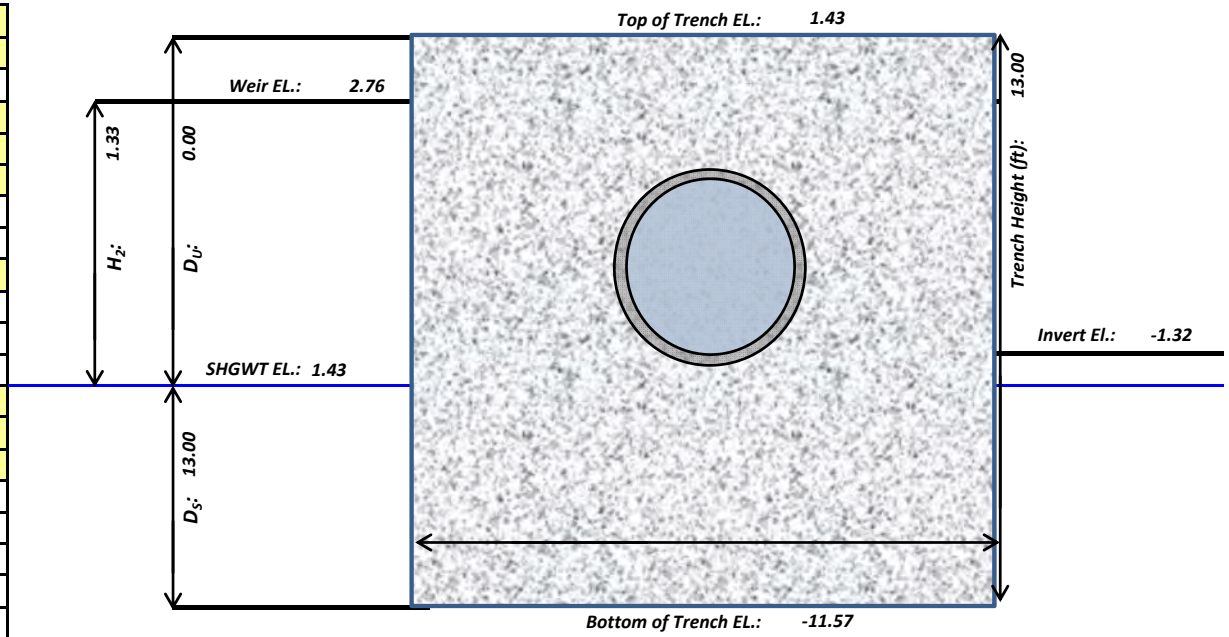
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**2.76**	**0.3779**
1.43	**6.43**	**1.5409**
2.43	**2.43**	**0.0000**
2.43	**6.43**	**1.2687**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 15

French Drain (ICPR Link Name):	**EX15S68A_15GW3**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.43**
Pipe Size (in):	**24**
Effective Length of French Drain, *L* (LF):	**142.0**
Safety Factor (SF):	**4.00 ***
Effective Length of French Drain with Safety Factor, *L* (LF):	**35.50**
Pipe Thickness (in):	**3.00**
Pipe Invert EL. (ft-NAVD):	**-1.32**
Top of Trench EL. (ft-NAVD):	1.43
Bottom of Trench EL. (ft-NAVD):	-11.57
Trench Height, H_T (ft):	13.00
Weir EL. (ft-NAVD):	2.76
Trench Width, *W* (ft):	5.67
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**8.81E-04**
Depth to Water Table, H_2 (ft):	1.33
Non-Saturated Trench Depth, D_U (ft):	0.00
Saturated Trench Depth, D_S (ft):	13.00
H_2W:	7.54
$2H_2D_U$:	0.00
D_U^2:	0.00
$2H_2D_S$:	34.58
$(1.39x10^{-4})WD_U$:	0.000000
d_2:	0.00
d_3:	0.00
K_{10}:	8.81E-04
K_{15}:	8.81E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	**N/A**
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	**1.08**
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**0.09 ****



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

**Note: Safety Factor of 4 used to account for the age of the existing French Drain*

***Note: FD not considered for water quality purposes*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 15

French Drain (ICPR Link Name): **EX15S68A_15GW3**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **35.50**
Trench Height, H_T (ft): **13.00**
Trench Width, *W* (ft): **5.67**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **8.807E-04**
Pipe Invert EL. (ft-NAVD): **-1.32**
Top of Trench EL. (ft-NAVD): **1.43**
Bottom of Trench EL. (ft-NAVD): **-11.57**
Weir EL. (ft-NAVD): **2.76**
Upstream Structure Rim/Grate EL. (ft-NAVD): **4.23**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***6.43***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	d_1 (ft)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.43**	--	0.00	4.93	0.00	0.00000	**0.0000**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**6.43**	--	0.00	4.93	5.00	0.04342	**1.5414**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**6.43**	4.93	--	5.93	4.00	0.03473	**1.2331**	$E = 2KavgD_P d_1$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

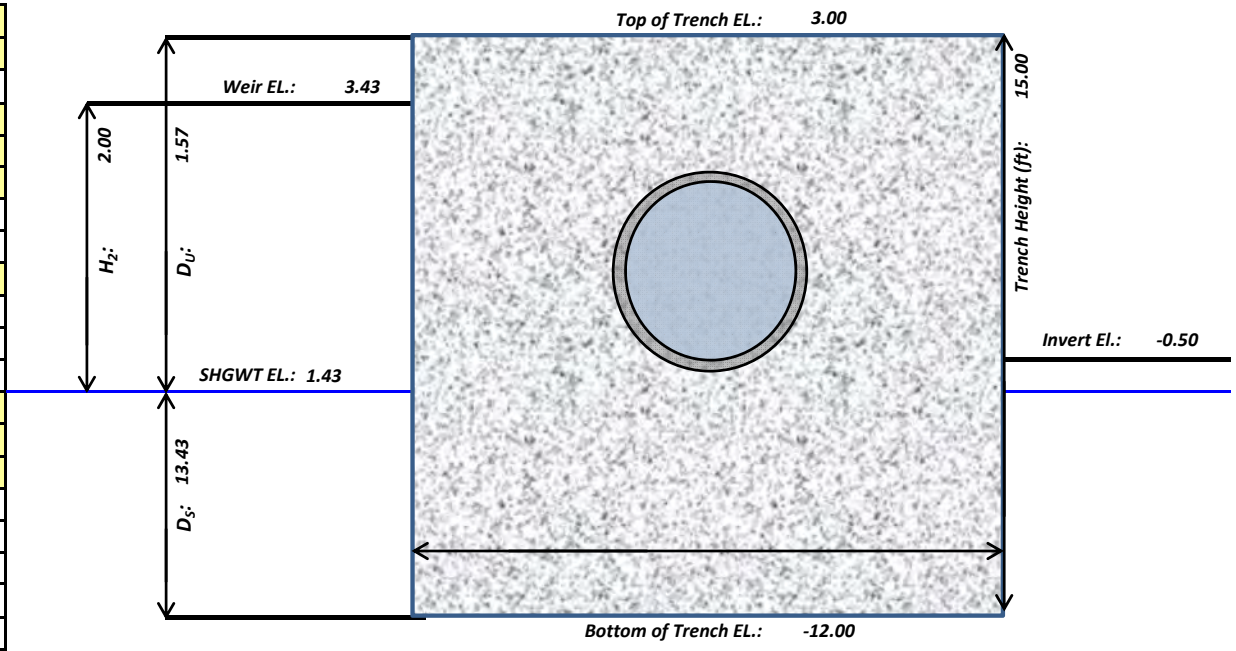
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.43**	**0.0000**
1.43	**6.43**	**1.5414**
2.43	**2.43**	**0.0000**
2.43	**6.43**	**1.2331**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 15

French Drain (ICPR Link Name):	PR15S104_15GW1 / PR15S105_15GW1
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	324.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	162.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	-0.50
Top of Trench EL. (ft-NAVD):	3.00
Bottom of Trench EL. (ft-NAVD):	-12.00
Trench Height, H_T (ft):	15.00
Weir EL. (ft-NAVD):	3.43
Trench Width, W (ft):	5.67
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	8.81E-04
Depth to Water Table, H_2 (ft):	2.00
Non-Saturated Trench Depth, D_U (ft):	1.57
Saturated Trench Depth, D_S (ft):	13.43
$H_2 W$:	11.34
$2H_2 D_U$:	6.28
D_U^2:	2.46
$2H_2 D_S$:	53.72
$(1.39x10^{-4})WD_U$:	0.001237
d_2:	0.00
d_3:	0.00
K_{10}:	8.81E-04
K_{15}:	8.81E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	8.41
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.70**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 15

French Drain (ICPR Link Name): **PR15S104_15GW1 / PR15S105_15GW1**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **81.00**

Trench Height, H_T (ft): **15.00**

Trench Width, *W* (ft): **5.67**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **8.807E-04**

Pipe Invert EL. (ft-NAVD): **-0.50**

Top of Trench EL. (ft-NAVD): **3.00**

Bottom of Trench EL. (ft-NAVD): **-12.00**

Weir EL. (ft-NAVD): **3.43**

Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**

Max Stage (ft-NAVD): ***6.43***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**3.00**	1.57	8.43	1.57	0.02548	**2.0641**	$E = 2K_{10} D_U (D_U/2 + d_S) + 2K_{15} D_U d_2 + 2K_{20} D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**6.43**	1.57	8.43	5.00	0.08590	**6.9578**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P] + 2K_{15} D_P d_2 + 2K_{20} D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.43	**2.50**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**3.00**	0.57	9.93	0.57	0.01026	**0.8307**	$E = 2K_{10} D_U (D_U/2 + d_S) + 2K_{15} D_U d_2 + 2K_{20} D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.43	**6.43**	0.57	9.93	4.00	0.07369	**5.9691**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P] + 2K_{15} D_P d_2 + 2K_{20} D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

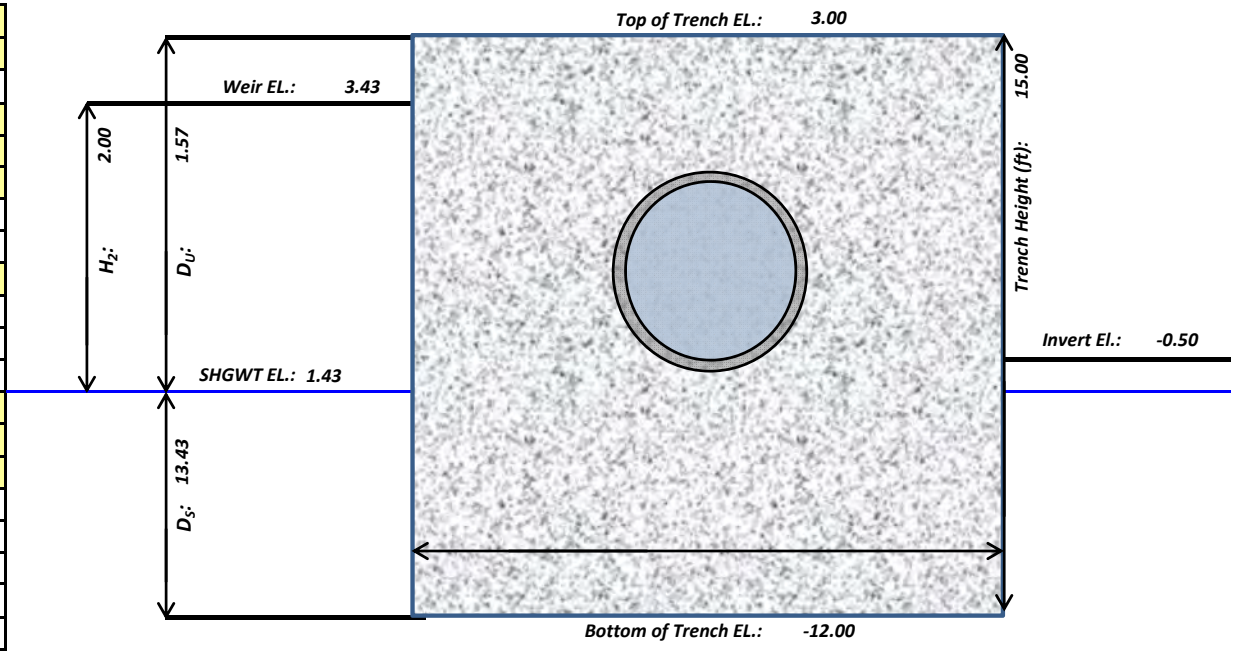
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**3.00**	**2.0641**
1.43	**6.43**	**6.9578**
2.43	**2.50**	**0.0000**
2.43	**3.00**	**0.8307**
2.43	**6.43**	**5.9691**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 15

French Drain (ICPR Link Name):	PR15S103_15GW2 / PR15S104_15GW2
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	337.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	168.50
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	-0.50
Top of Trench EL. (ft-NAVD):	3.00
Bottom of Trench EL. (ft-NAVD):	-12.00
Trench Height, H_T (ft):	15.00
Weir EL. (ft-NAVD):	3.43
Trench Width, W (ft):	5.67
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	8.81E-04
Depth to Water Table, H_2 (ft):	2.00
Non-Saturated Trench Depth, D_U (ft):	1.57
Saturated Trench Depth, D_S (ft):	13.43
$H_2 W$:	11.34
$2H_2 D_U$:	6.28
D_U^2:	2.46
$2H_2 D_S$:	53.72
$(1.39x10^{-4})WD_U$:	0.001237
d_2:	0.00
d_3:	0.00
K_{10}:	8.81E-04
K_{15}:	8.81E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	8.75
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.73**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 15

French Drain (ICPR Link Name): **PR15S103_15GW2 / PR15S104_15GW2**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **84.25**

Trench Height, H_T (ft): **15.00**

Trench Width, *W* (ft): **5.67**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **8.807E-04**

Pipe Invert EL. (ft-NAVD): **-0.50**

Top of Trench EL. (ft-NAVD): **3.00**

Bottom of Trench EL. (ft-NAVD): **-12.00**

Weir EL. (ft-NAVD): **3.43**

Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**

Max Stage (ft-NAVD): ***6.43***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**3.00**	1.57	8.43	1.57	0.02548	**2.1470**	$E = 2K_{10} D_U (D_U/2 + d_S) + 2K_{15} D_U d_2 + 2K_{20} D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**6.43**	1.57	8.43	5.00	0.08590	**7.2370**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P] + 2K_{15} D_P d_2 + 2K_{20} D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.43	**2.50**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**3.00**	0.57	9.93	0.57	0.01026	**0.8641**	$E = 2K_{10} D_U (D_U/2 + d_S) + 2K_{15} D_U d_2 + 2K_{20} D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.43	**6.43**	0.57	9.93	4.00	0.07369	**6.2086**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P] + 2K_{15} D_P d_2 + 2K_{20} D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

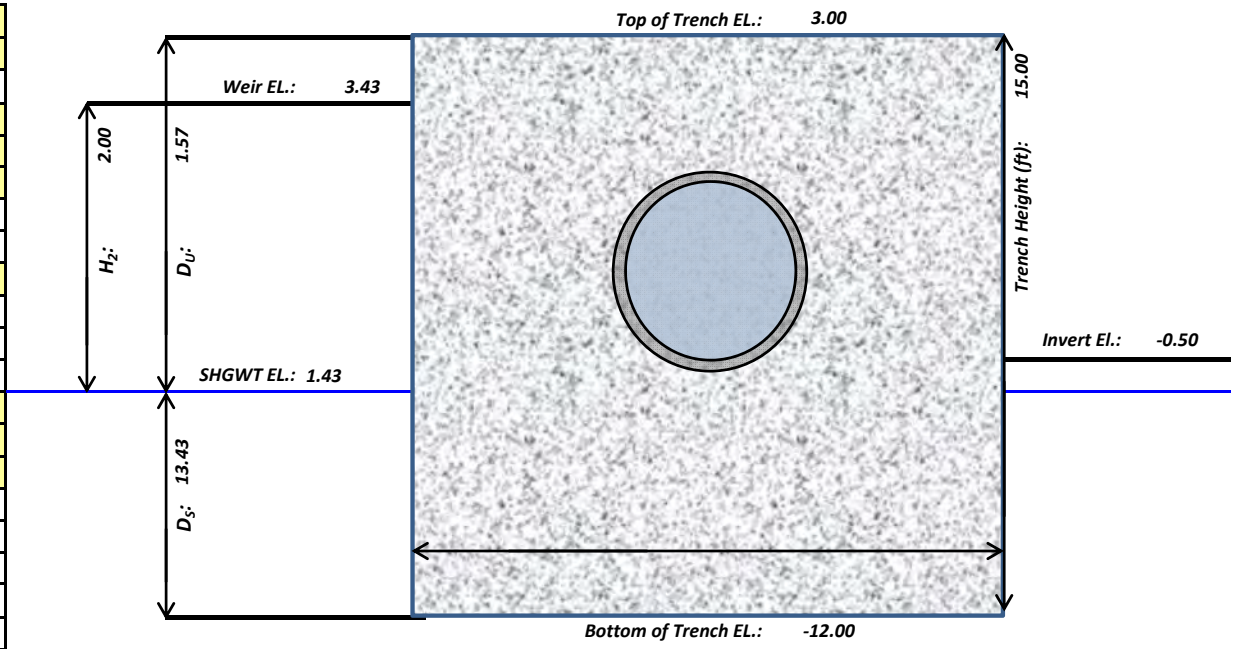
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**3.00**	**2.1470**
1.43	**6.43**	**7.2370**
2.43	**2.50**	**0.0000**
2.43	**3.00**	**0.8641**
2.43	**6.43**	**6.2086**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 15

French Drain (ICPR Link Name):	PR15S102_15GW3 / PR15S103_15GW3
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	360.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	180.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	-0.50
Top of Trench EL. (ft-NAVD):	3.00
Bottom of Trench EL. (ft-NAVD):	-12.00
Trench Height, H_T (ft):	15.00
Weir EL. (ft-NAVD):	3.43
Trench Width, W (ft):	5.67
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	8.81E-04
Depth to Water Table, H_2 (ft):	2.00
Non-Saturated Trench Depth, D_U (ft):	1.57
Saturated Trench Depth, D_S (ft):	13.43
$H_2 W$:	11.34
$2H_2 D_U$:	6.28
D_U^2:	2.46
$2H_2 D_S$:	53.72
$(1.39x10^{-4})WD_U$:	0.001237
d_2:	0.00
d_3:	0.00
K_{10}:	8.81E-04
K_{15}:	8.81E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	9.34
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.78**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 15

French Drain (ICPR Link Name): **PR15S102_15GW3 / PR15S103_15GW3**

Existing/Proposed: **Proposed**

Pipe Size (in): **36**

1 /2 Length of French Drain, *L* (LF) * : **90.00**

Trench Height, H_T (ft): **15.00**

Trench Width, *W* (ft): **5.67**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **8.807E-04**

Pipe Invert EL. (ft-NAVD): **-0.50**

Top of Trench EL. (ft-NAVD): **3.00**

Bottom of Trench EL. (ft-NAVD): **-12.00**

Weir EL. (ft-NAVD): **3.43**

Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**

Max Stage (ft-NAVD): ***6.43***

Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** **2.43**

** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**3.00**	1.57	8.43	1.57	0.02548	**2.2935**	$E = 2K_{10} D_U (D_U/2 + d_S) + 2K_{15} D_U d_2 + 2K_{20} D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**6.43**	1.57	8.43	5.00	0.08590	**7.7309**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P] + 2K_{15} D_P d_2 + 2K_{20} D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.43	**2.50**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**3.00**	0.57	9.93	0.57	0.01026	**0.9230**	$E = 2K_{10} D_U (D_U/2 + d_S) + 2K_{15} D_U d_2 + 2K_{20} D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.43	**6.43**	0.57	9.93	4.00	0.07369	**6.6323**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P] + 2K_{15} D_P d_2 + 2K_{20} D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**3.00**	**2.2935**
1.43	**6.43**	**7.7309**
2.43	**2.50**	**0.0000**
2.43	**3.00**	**0.9230**
2.43	**6.43**	**6.6323**

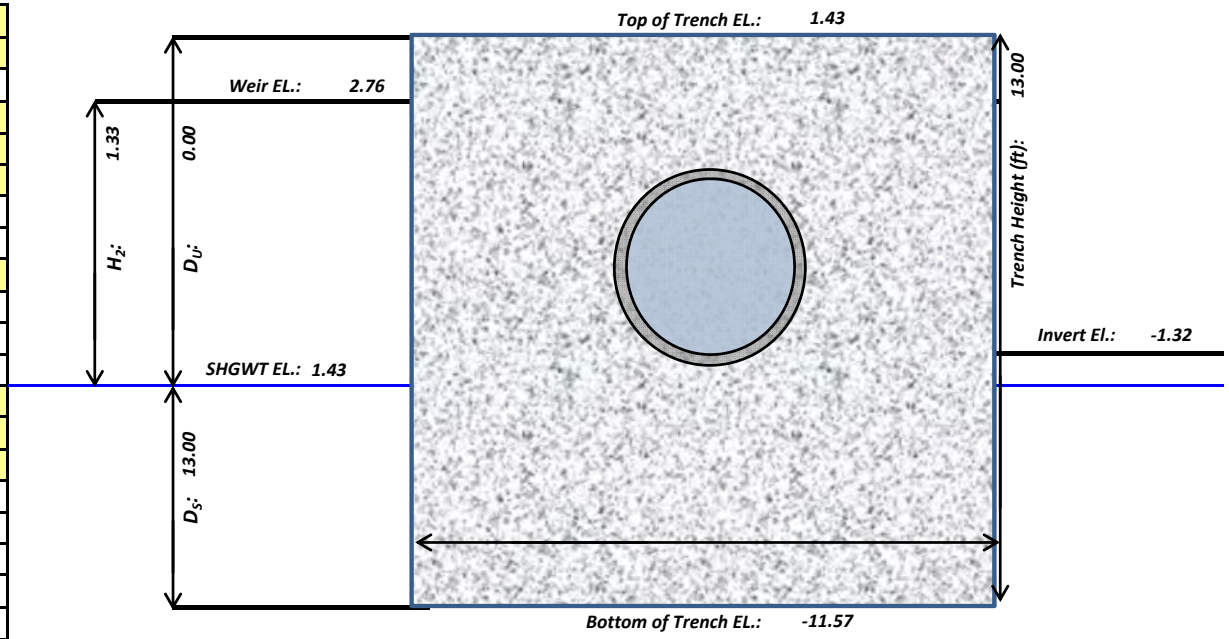
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 15

French Drain (ICPR Link Name):	**PR15S68A_15GW4**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.43**
Pipe Size (in):	**24**
Effective Length of French Drain, *L* (LF):	**142.0**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, *L* (LF):	**71.00**
Pipe Thickness (in):	**3.00**
Pipe Invert EL. (ft-NAVD):	**-1.32**
Top of Trench EL. (ft-NAVD):	1.43
Bottom of Trench EL. (ft-NAVD):	-11.57
Trench Height, H_T (ft):	13.00
Weir EL. (ft-NAVD):	2.76
Trench Width, *W* (ft):	5.67
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**8.81E-04**
Depth to Water Table, H_2 (ft):	1.33
Non-Saturated Trench Depth, D_U (ft):	0.00
Saturated Trench Depth, D_S (ft):	13.00
H_2W:	7.54
$2H_2D_U$:	0.00
D_U^2:	0.00
$2H_2D_S$:	34.58
$(1.39x10^{-4})WD_U$:	0.000000
d_2:	0.00
d_3:	0.00
K_{10}:	8.81E-04
K_{15}:	8.81E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	**N/A**
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	**2.16**
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**0.18 ***

**Note: FD not considered for water quality purposes*



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 15

French Drain (ICPR Link Name): PR15S68A_15GW4
Existing/Proposed: Existing
Pipe Size (in): 24
Length of French Drain, *L* (LF) * : 71.00
Trench Height, H_T (ft): 13.00
Trench Width, *W* (ft): 5.67

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): 8.807E-04
Pipe Invert EL. (ft-NAVD): -1.32
Top of Trench EL. (ft-NAVD): 1.43
Bottom of Trench EL. (ft-NAVD): -11.57
Weir EL. (ft-NAVD): 2.76
Upstream Structure Rim/Grate EL. (ft-NAVD): 4.23

SHGWT EL. (ft-NAVD): 1.43
Max Stage (ft-NAVD): *6.43*
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level 2.43
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	d_1 (ft)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	1.43	--	--	--	0.00	0.00000	0.0000	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	1.43	--	0.00	4.93	0.00	0.00000	0.0000	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	6.43	--	0.00	4.93	5.00	0.04342	3.0827	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	2.43	--	--	--	0.00	0.00000	0.0000	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	6.43	4.93	--	5.93	4.00	0.03473	2.4662	$E = 2KavgD_P d_1$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	1.43	0.0000
1.43	1.43	0.0000
1.43	6.43	3.0827
2.43	2.43	0.0000
2.43	6.43	2.4662

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

DRAINAGE SYSTEM SUMMARY TABLES

Drainage System: ***14, 15, AND 16***

Summary of Peak Discharges			
Receiving Waterbody:	**C-4 Canal**		
PRE-DEVELOPMENT			
ICPR Node	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
C-4 CANAL_1	15.41	54.09	14.94
C-4 CANAL_2	7.50	83.12	18.09
PRE-DEVELOPMENT TOTALS:	**22.91**	**137.21**	**33.03**
POST-DEVELOPMENT			
ICPR Node	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
C-4 CANAL_1	35.41	78.95	35.41
C-4 CANAL_2	3.39	56.17	5.09
POST-DEVELOPMENT TOTALS:	**38.80**	**135.12**	**40.50**
Pre-Post 25yr-72hr Peak Discharge Reduction (cfs):	***2.09***		

Summary of Peak Stages									
				PRE-DEVELOPMENT			POST-DEVELOPMENT		
Pond/ Swale/ FD #	**Type: [Wet/Dry, Det./Ret., FD]**	**Disposition [Exist./ Prop./ Modified]**	**Warning EL. [Min. Berm/ Min. EOP] (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**
POND 14W1	Wet	Modified	5.00	3.53	3.91	3.63	2.45	2.95	2.47
POND 14W2	Dry	Exist.	5.03	4.61	5.67	4.98	-	-	-
POND 14W3	Dry	Exist.	5.30	4.61	5.67	4.98	-	-	-
POND 14W4	Dry	Exist.	5.43	4.61	5.66	4.98	-	-	-
PR14S103	FD	Prop.	6.00	-	-	-	2.45	3.66	2.50
PR14S104	FD	Prop.	5.43	-	-	-	2.46	4.76	2.56
PR14S105	FD	Prop.	5.42	-	-	-	2.47	5.12	2.59
PR14S106	FD	Prop.	5.42	-	-	-	2.47	5.75	2.62
PR14S107	FD	Prop.	5.42	-	-	-	2.48	5.86	2.63
PR14S108	FD	Prop.	4.68	-	-	-	2.47	5.85	2.63
POND 15E1	Dry	Modified	5.00	3.30	3.69	3.39	2.80	3.57	3.19
POND 15E2	Dry	Modified	5.00	3.31	3.69	3.39	2.80	3.57	3.19
SWALE 15E1	Dry	Exist.	5.19	4.52	5.59	4.78	-	-	-
SWALE 15E2	Dry	Exist.	5.65	4.50	5.55	4.75	-	-	-
SWALE 15E3	Dry	Exist.	6.93	3.99	4.27	4.03	-	-	-
PR15S101	FD	Prop.	6.00	-	-	-	2.78	3.63	3.17
PR15S102	FD	Prop.	4.93	-	-	-	2.77	3.73	3.16
PR15S103	FD	Prop.	4.93	-	-	-	2.77	3.97	3.15
PR15S104	FD	Prop.	5.42	-	-	-	2.77	4.04	3.15
PR15S105	FD	Prop.	4.93	-	-	-	2.77	4.08	3.14
POND 16E1	Dry	Exist.	8.43	3.52	3.78	3.55	3.51	3.75	3.54
PR16S94	FD	Prop.	8.93	-	-	-	2.57	4.27	2.62

Control Structure Summary Table - Proposed Conditions					
Control Structure:	**Disposition [Exist./ Prop./ Modified]**	**Weir Type/ Geometry**	**Weir EL. (ft-NAVD)**	**Bleeder Type/ Geometry**	**Bleeder Invert EL. (ft-NAVD)**
PR14S38A	Prop.	Horizontal / Rectangular	2.00	-	-
EX15S93_WEIR	Exist.	Horizontal / Rectangular	3.23	-	-
EX16S99	Exist.	Horizontal/ Rectangular	3.43	-	-

System 16

Pre-Development Land Use Tables
Post-Development Land Use Tables
Water Quality Summary Table
Drainage Calculations

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

PRE-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 16 **SHGWT EL. (ft-NAVD): 1.43**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
16B95	**10**	**0.16**	**0.16**	0.16	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.57	8.18	**98.00**
16B96	**10**	**0.44**	**0.44**	0.44	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.57	8.18	**98.00**
16B100A	**10**	**0.61**	**0.61**	0.61	0.00	0.00	**0.00**	0.00	0.00	0.00	8.00	6.57	8.18	**98.00**
16B101	**10**	**1.04**	**1.04**	1.04	0.00	0.00	**0.00**	0.00	0.00	0.00	8.00	6.57	8.18	**98.00**
16B66B	**10**	**0.38**	**0.38**	0.00	0.00	0.38	**0.00**	0.00	0.00	0.00	4.00	2.57	1.88	**84.18**
POND 16E1	**10**	**0.93**	**0.93**	0.00	0.00	0.93	**0.00**	0.00	0.00	0.00	4.00	2.57	1.88	**84.18**
SYSTEM TOTALS		**3.56**	**3.56**	**2.25**	**0.00**	**1.31**	**0.00**	**0.00**	**0.00**	**0.00**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 16 **SHGWT EL. (ft-NAVD): 1.43**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
16B95	**10**	**0.16**	**0.16**	0.16	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.57	8.18	**98.00**
16B96	**10**	**0.30**	**0.30**	0.30	0.00	0.00	**0.00**	0.00	0.00	0.00	9.00	7.57	8.18	**98.00**
16B100A	**10**	**0.61**	**0.61**	0.61	0.00	0.00	**0.00**	0.00	0.00	0.00	8.00	6.57	8.18	**98.00**
16B101	**10**	**1.04**	**1.04**	1.04	0.00	0.00	**0.00**	0.00	0.00	0.00	8.00	6.57	8.18	**98.00**
16B66B	**10**	**0.38**	**0.38**	0.00	0.00	0.38	**0.00**	0.00	0.00	0.00	4.00	2.57	1.88	**84.18**
POND 16E1	**10**	**0.93**	**0.93**	0.00	0.00	0.93	**0.00**	0.00	0.00	0.00	4.00	2.57	1.88	**84.18**
SYSTEM TOTALS		**3.42**	**3.42**	**2.11**	**0.00**	**1.31**	**0.00**	**0.00**	**0.00**	**0.00**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY SUMMARY

Drainage System: ***16***

SYSTEM	SHGWT EL. (ft-NAVD)	TOTAL ONSITE AREA (Ac.) *[POST-DEV.]*	ONSITE IMPERVIOUS AREA (Ac.) *[POST-DEV.]*	ONSITE PERVIOUS AREA (Ac.) *[POST-DEV.]*	SFWMD 1" OVER TOTAL ONSITE AREA (Ac-ft)	SFWMD 2.5" OVER IMPERVIOUS AREA (Ac-ft)	[1] SFWMD WATER QUALITY TREATMENT REQUIRED FOR RETENTION (Ac-ft)	[2] DRER WATER QUALITY TREATMENT REQUIRED (Ac-ft)	[3] DRY- / WET-RETENTION TREATMENT VOLUME PROVIDED (Ac-ft)	FRENCH DRAIN TREATMENT VOLUME PROVIDED (Ac-ft)	TOTAL TREATMENT VOLUME PROVIDED (Ac-ft)	SFWMD SURPLUS TREATMENT VOLUME PROVIDED (Ac-ft)
16	1.43	3.42	2.11	1.31	0.29	0.44	**0.44**	**0.41**	0.65	0.16	**0.81**	**0.37**
SYSTEM TOTAL	1.43	3.42	2.11	1.31	0.29	0.44	**0.44**	**0.41**	0.65	0.16	**0.81**	**0.37**

[1] 2.5" over Additional Impervious Area.

[2] See next page for water quality calculations by Miami-Dade Department of Regulatory and Economic Resources (DRER).

[3] Multiplied by 2 to account for 50% retention volume credit.

POND 16E1 *		
TYPE:	Dry Retention	
STAGE (ft-NAVD)	**AREA (Ac.)**	**VOLUME (Ac-ft)**
2.43	0.32	0.00
3.43	**0.33**	**0.33**
4.43	0.34	0.66
6.43	0.37	1.37
8.43	0.40	2.14

* Note : Existing Pond

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

WATER QUALITY CALCULATIONS BY DRER

Drainage System: 16

AREA:

Onsite Impervious	**2.11**	Ac.	62%
Onsite Pervious	**1.31**	Ac.	38%
Total Area	**3.42**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.67 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV}) / A_T = \mathbf{0.67}$$

$t_{1"}$ = 14.43 min.

TOTAL TIME OF CONCENTRATION (T_T)

$T_T = t_{1"} + Tc =$ 24.43 min.

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.38 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ Q_{1"}\ T_T =$ **18072.36 cf** **0.41 ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS
VARIABLE GROUNDWATER CALCULATIONS

Drainage System: **16**

Stage = DHW + [PRG x (RF - DHW)]
See ADICPR Technical Design Guide 2-25

Elevation Conversion:	-1.57	ft.	(NGVD-NAVD)

DHW =	3.00	ft. - NGVD	Design High Water / October Average Groundwater Elevation
	1.43	ft. - NAVD	(MD PWD - W.C. 2.2)
RF =	4.00	ft. - NGVD	Return Frequency Groundwater Elevation / Average Yearly Highest Groundwater Level (AYH) (MD
	2.43	ft. - NAVD	PWD - W.C. 2.1)
PRG=	Variable		(Percentage Rise in Groundwater)

8HR DESIGN STORM DURATION		
TIME	PRG	STAGE
(hrs)	%	(ft-NAVD)
0	0.00	1.43
1	0.02	1.45
2	0.13	1.56
3	0.28	1.71
4	0.70	2.13
5	0.86	2.29
6	0.92	2.35
7	0.97	2.40
8	1.00	2.43
12	0.00	1.43

24HR DESIGN STORM DURATION		
TIME	PRG	STAGE
(hrs)	%	(ft-NAVD)
0.00	0.00	1.43
1.00	0.01	1.44
2.00	0.03	1.46
3.00	0.06	1.49
4.00	0.09	1.52
5.00	0.12	1.55
6.00	0.16	1.59
7.00	0.20	1.63
8.00	0.24	1.67
9.00	0.30	1.73
10.00	0.36	1.79
11.00	0.44	1.87
12.00	0.54	1.97
13.00	0.61	2.04
14.00	0.67	2.10
15.00	0.73	2.16
16.00	0.78	2.21
17.00	0.82	2.25
18.00	0.86	2.29
19.00	0.90	2.33
20.00	0.93	2.36
21.00	0.96	2.39
22.00	0.98	2.41
23.00	0.99	2.42
24.00	1.00	2.43
36.00	0.00	1.43

72HR DESIGN STORM DURATION		
TIME	PRG	STAGE
(hrs)	%	(ft-NAVD)
0.00	0.00	1.43
24.00	0.11	1.54
36.00	0.19	1.62
48.00	0.26	1.69
49.00	0.27	1.70
50.00	0.28	1.71
51.00	0.29	1.72
52.00	0.30	1.73
53.00	0.31	1.74
54.00	0.33	1.76
55.00	0.34	1.77
56.00	0.37	1.80
57.00	0.39	1.82
57.50	0.40	1.83
58.00	0.42	1.85
58.50	0.44	1.87
59.00	0.46	1.89
59.50	0.50	1.93
60.00	0.75	2.18
60.50	0.80	2.23
61.00	0.83	2.26
61.50	0.85	2.28
62.00	0.87	2.30
62.50	0.88	2.31
63.00	0.89	2.32
64.00	0.91	2.34
65.00	0.92	2.35
66.00	0.94	2.37
68.00	0.96	2.39
70.00	0.98	2.41
72.00	1.00	2.43
108.00	0.00	1.43

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

VARIABLE TAILWATER*

Drainage System: **16**

8HR DESIGN STORM DURATION		24HR DESIGN STORM DURATION		72HR DESIGN STORM DURATION	
TIME (hrs)	STAGE (ft-NGVD)	TIME (hrs)	STAGE (ft-NGVD)	TIME (hrs)	STAGE (ft-NGVD)
0.00	1.43	0.00	1.43	0.00	1.43
8.00	2.43	12.50	2.43	60.50	2.43
12.00	2.43	24.00	2.43	72.00	2.43
36.00	1.43	48.00	1.43	96.00	1.43

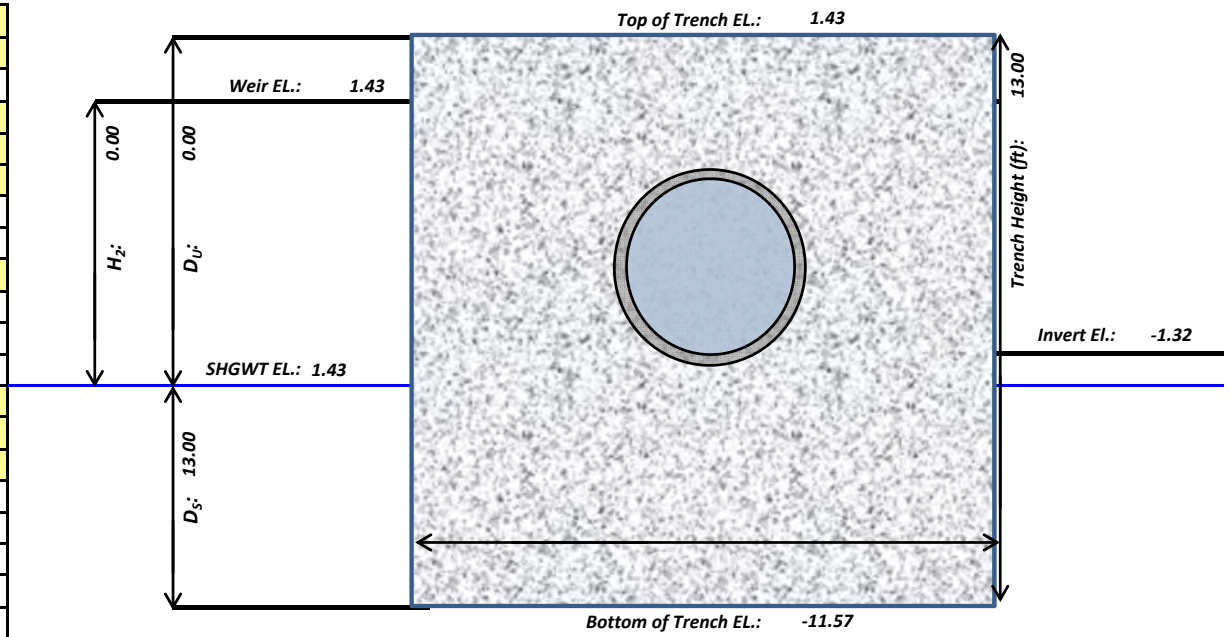
** Per SR-826 Palmetto Expressway (Section 5) SR 826 / SR 836 Interchange - Drainage Report for Segment 1*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 16

French Drain (ICPR Link Name):	**EX16S66A_16GW1**
Existing/Proposed:	**Existing**
SHGWT EL. (ft-NAVD):	**1.43**
Pipe Size (in):	**24**
Effective Length of French Drain, *L* (LF):	**92.0**
Safety Factor (SF):	**4.00 ***
Effective Length of French Drain with Safety Factor, *L* (LF):	**23.00**
Pipe Thickness (in):	**3.00**
Pipe Invert EL. (ft-NAVD):	**-1.32**
Top of Trench EL. (ft-NAVD):	1.43
Bottom of Trench EL. (ft-NAVD):	-11.57
Trench Height, H_T (ft):	13.00
Weir EL. (ft-NAVD):	1.43
Trench Width, *W* (ft):	5.67
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**8.81E-04**
Depth to Water Table, H_2 (ft):	0.00
Non-Saturated Trench Depth, D_U (ft):	0.00
Saturated Trench Depth, D_S (ft):	13.00
H_2W:	0.00
$2H_2D_U$:	0.00
D_U^2:	0.00
$2H_2D_S$:	0.00
$(1.39x10^{-4})WD_U$:	0.000000
d_2:	0.00
d_3:	0.00
K_{10}:	8.81E-04
K_{15}:	8.81E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, *V* (ac-in):	**N/A**
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, *V* (ac-in):	**0.00**
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, *V* (Ac-ft):	**0.00 ** **



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^2 + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

**Note: Safety Factor of 4 used to account for the age of the existing French Drain*

***Note: FD not considered for water quality purposes*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 16

French Drain (ICPR Link Name): **EX16S66A_16GW1**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **23.00**
Trench Height, H_T (ft): **13.00**
Trench Width, *W* (ft): **5.67**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **8.807E-04**
Pipe Invert EL. (ft-NAVD): **-1.32**
Top of Trench EL. (ft-NAVD): **1.43**
Bottom of Trench EL. (ft-NAVD): **-11.57**
Weir EL. (ft-NAVD): **1.43**
Upstream Structure Rim/Grate EL. (ft-NAVD): **4.23**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***6.43***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	d_1 (ft)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.43**	--	0.00	4.93	0.00	0.00000	**0.0000**	$E = 2KavgD_U(D_U/2 + d_S)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**6.43**	--	0.00	4.93	5.00	0.04342	**0.9986**	$E = 2Kavg[D_U(D_P - D_U/2) + d_S D_P]$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**6.43**	4.93	--	5.93	4.00	0.03473	**0.7989**	$E = 2KavgD_P d_1$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

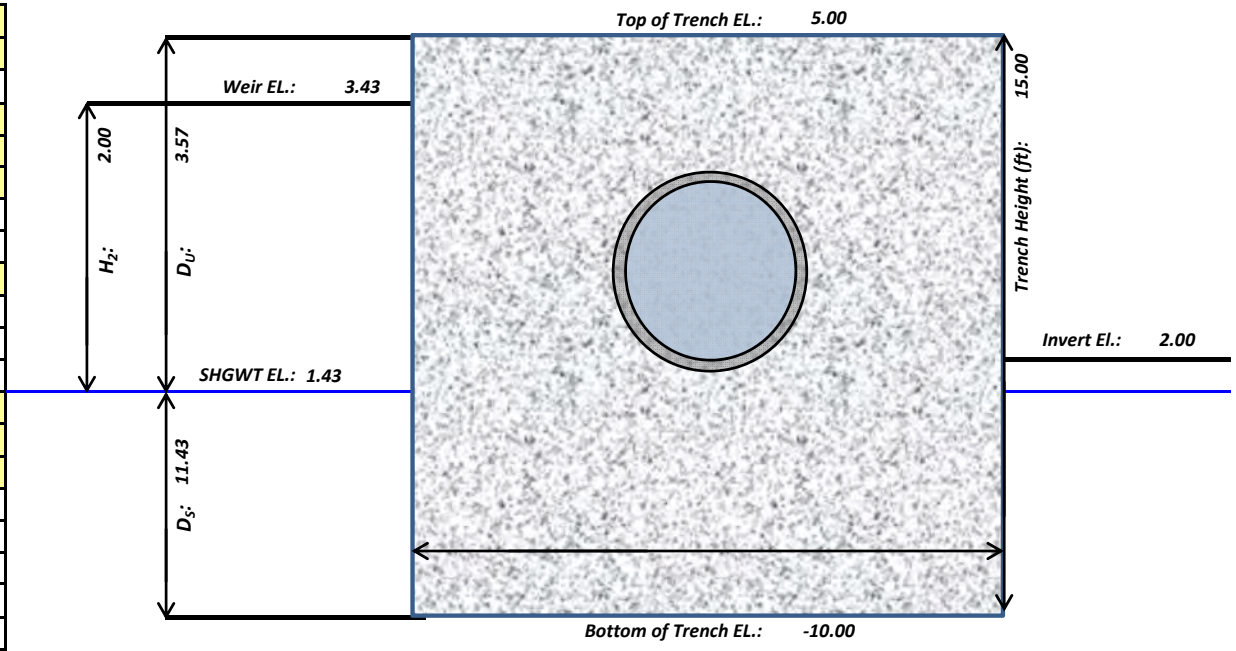
Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.43**	**0.0000**
1.43	**6.43**	**0.9986**
2.43	**2.43**	**0.0000**
2.43	**6.43**	**0.7989**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 16

French Drain (ICPR Link Name):	PR16S94_16GW1 / PR16S96_16GW1
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	87.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	43.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	2.00
Top of Trench EL. (ft-NAVD):	5.00
Bottom of Trench EL. (ft-NAVD):	-10.00
Trench Height, H_T (ft):	15.00
Weir EL. (ft-NAVD):	3.43
Trench Width, W (ft):	5.67
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	8.81E-04
Depth to Water Table, H_2 (ft):	2.00
Non-Saturated Trench Depth, D_U (ft):	3.57
Saturated Trench Depth, D_S (ft):	11.43
$H_2 W$:	11.34
$2H_2 D_U$:	14.28
D_U^2:	12.74
$2H_2 D_S$:	45.72
$(1.39x10^{-4})WD_U$:	0.002814
d_2:	0.00
d_3:	0.00
K_{10}:	8.81E-04
K_{15}:	8.81E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	1.93
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.16**



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 16

French Drain (ICPR Link Name): PR16S94_16GW1 / PR16S96_16GW1
Existing/Proposed: Proposed
Pipe Size (in): 24
1 /2 Length of French Drain, *L* (LF) * : 21.75
Trench Height, H_T (ft): 15.00
Trench Width, *W* (ft): 5.67

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): 8.807E-04
Pipe Invert EL. (ft-NAVD): 2.00
Top of Trench EL. (ft-NAVD): 5.00
Bottom of Trench EL. (ft-NAVD): -10.00
Weir EL. (ft-NAVD): 3.43
Upstream Structure Rim/Grate EL. (ft-NAVD): 2.43

SHGWT EL. (ft-NAVD): 1.43
Max Stage (ft-NAVD): *8.91*
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD): Average Yearly Highest Ground Water Level** 2.43
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**5.00**	3.57	6.43	3.57	0.05166	**1.1236**	$E = 2K_{10} D_U (D_U/2 + d_S) + 2K_{15} D_U d_2 + 2K_{20} D_U d_3$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**8.91**	3.57	6.43	7.48	0.12053	**2.6215**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P] + 2K_{15} D_P d_2 + 2K_{20} D_P d_3$	TW = SHGWT EL. HW = Max Stage
2.43	**2.50**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.00**	2.57	7.93	2.57	0.04171	**0.9073**	$E = 2K_{10} D_U (D_U/2 + d_S) + 2K_{15} D_U d_2 + 2K_{20} D_U d_3$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.43	**8.91**	2.57	7.93	6.48	0.11403	**2.4801**	$E = 2K_{10} [D_U (D_P - D_U/2) + d_S D_P] + 2K_{15} D_P d_2 + 2K_{20} D_P d_3$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**5.00**	**1.1236**
1.43	**8.91**	**2.6215**
2.43	**2.50**	**0.0000**
2.43	**5.00**	**0.9073**
2.43	**8.91**	**2.4801**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

DRAINAGE SYSTEM SUMMARY TABLES

Drainage System: ***14, 15, AND 16***

Summary of Peak Discharges			
Receiving Waterbody:	**C-4 Canal**		
PRE-DEVELOPMENT			
ICPR Node	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
C-4 CANAL_1	15.41	54.09	14.94
C-4 CANAL_2	7.50	83.12	18.09
PRE-DEVELOPMENT TOTALS:	**22.91**	**137.21**	**33.03**
POST-DEVELOPMENT			
ICPR Node	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
C-4 CANAL_1	35.41	78.95	35.41
C-4 CANAL_2	3.39	56.17	5.09
POST-DEVELOPMENT TOTALS:	**38.80**	**135.12**	**40.50**
Pre-Post 25yr-72hr Peak Discharge Reduction (cfs):	***2.09***		

Summary of Peak Stages									
				PRE-DEVELOPMENT			POST-DEVELOPMENT		
Pond/ Swale/ FD #	**Type: [Wet/Dry, Det./Ret., FD]**	**Disposition [Exist./ Prop./ Modified]**	**Warning EL. [Min. Berm/ Min. EOP] (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**
POND 14W1	Wet	Modified	5.00	3.53	3.91	3.63	2.45	2.95	2.47
POND 14W2	Dry	Exist.	5.03	4.61	5.67	4.98	-	-	-
POND 14W3	Dry	Exist.	5.30	4.61	5.67	4.98	-	-	-
POND 14W4	Dry	Exist.	5.43	4.61	5.66	4.98	-	-	-
PR14S103	FD	Prop.	6.00	-	-	-	2.45	3.66	2.50
PR14S104	FD	Prop.	5.43	-	-	-	2.46	4.76	2.56
PR14S105	FD	Prop.	5.42	-	-	-	2.47	5.12	2.59
PR14S106	FD	Prop.	5.42	-	-	-	2.47	5.75	2.62
PR14S107	FD	Prop.	5.42	-	-	-	2.48	5.86	2.63
PR14S108	FD	Prop.	4.68	-	-	-	2.47	5.85	2.63
POND 15E1	Dry	Modified	5.00	3.30	3.69	3.39	2.80	3.57	3.19
POND 15E2	Dry	Modified	5.00	3.31	3.69	3.39	2.80	3.57	3.19
SWALE 15E1	Dry	Exist.	5.19	4.52	5.59	4.78	-	-	-
SWALE 15E2	Dry	Exist.	5.65	4.50	5.55	4.75	-	-	-
SWALE 15E3	Dry	Exist.	6.93	3.99	4.27	4.03	-	-	-
PR15S101	FD	Prop.	6.00	-	-	-	2.78	3.63	3.17
PR15S102	FD	Prop.	4.93	-	-	-	2.77	3.73	3.16
PR15S103	FD	Prop.	4.93	-	-	-	2.77	3.97	3.15
PR15S104	FD	Prop.	5.42	-	-	-	2.77	4.04	3.15
PR15S105	FD	Prop.	4.93	-	-	-	2.77	4.08	3.14
POND 16E1	Dry	Exist.	8.43	3.52	3.78	3.55	3.51	3.75	3.54
PR16S94	FD	Prop.	8.93	-	-	-	2.57	4.27	2.62

Control Structure Summary Table - Proposed Conditions					
Control Structure:	**Disposition [Exist./ Prop./ Modified]**	**Weir Type/ Geometry**	**Weir EL. (ft-NAVD)**	**Bleeder Type/ Geometry**	**Bleeder Invert EL. (ft-NAVD)**
PR14S38A	Prop.	Horizontal / Rectangular	2.00	-	-
EX15S93_WEIR	Exist.	Horizontal / Rectangular	3.23	-	-
EX16S99	Exist.	Horizontal/ Rectangular	3.43	-	-

System 14, 15, & 16

Drainage System Summary Tables
Pre-Development Node Link Diagram
Pre-Development ICPR Input/Output
Post-Development Node Link Diagram
Post-Development ICPR Input/Output

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

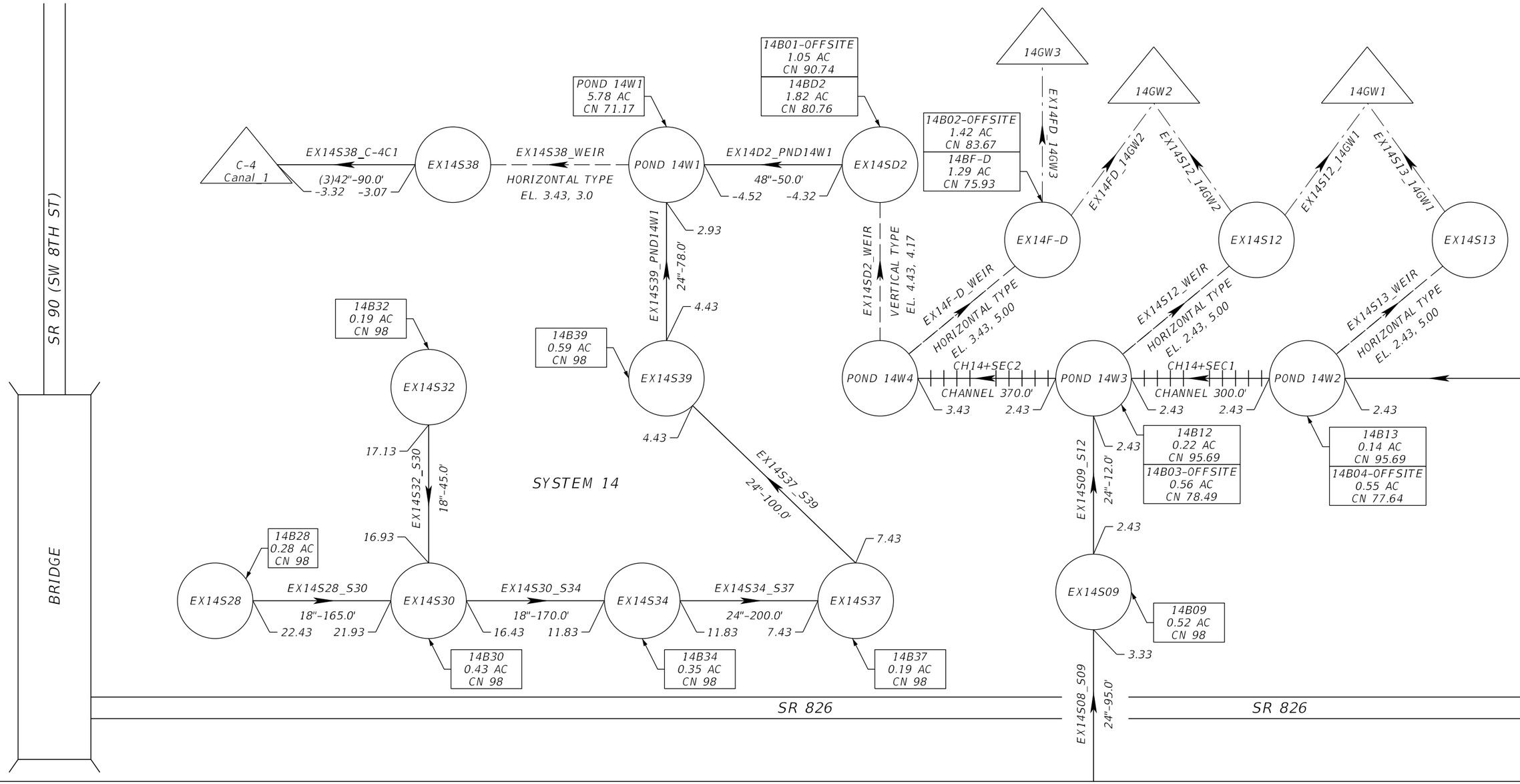
DRAINAGE SYSTEM SUMMARY TABLES

Drainage System: ***14, 15, AND 16***

Summary of Peak Discharges			
Receiving Waterbody:	**C-4 Canal**		
PRE-DEVELOPMENT			
ICPR Node	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
C-4 CANAL_1	15.41	54.09	14.94
C-4 CANAL_2	7.50	83.12	18.09
PRE-DEVELOPMENT TOTALS:	**22.91**	**137.21**	**33.03**
POST-DEVELOPMENT			
ICPR Node	**10yr-24hr Peak Inflow Rate (cfs)**	**25yr-72hr Peak Inflow Rate (cfs)**	**100yr-24hr Peak Inflow Rate (cfs)**
C-4 CANAL_1	35.41	78.95	35.41
C-4 CANAL_2	3.39	56.17	5.09
POST-DEVELOPMENT TOTALS:	**38.80**	**135.12**	**40.50**
Pre-Post 25yr-72hr Peak Discharge Reduction (cfs):	***2.09***		

Summary of Peak Stages									
				PRE-DEVELOPMENT			POST-DEVELOPMENT		
Pond/ Swale/ FD #	**Type: [Wet/Dry, Det./Ret., FD]**	**Disposition [Exist./ Prop./ Modified]**	**Warning EL. [Min. Berm/ Min. EOP] (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**	**Max 10yr-24hr Stage (ft-NAVD)**	**Max 25yr-72hr Stage (ft-NAVD)**	**Max 100yr-24hr Stage (ft-NAVD)**
POND 14W1	Wet	Modified	5.00	3.53	3.91	3.63	2.45	2.95	2.47
POND 14W2	Dry	Exist.	5.03	4.61	5.67	4.98	-	-	-
POND 14W3	Dry	Exist.	5.30	4.61	5.67	4.98	-	-	-
POND 14W4	Dry	Exist.	5.43	4.61	5.66	4.98	-	-	-
PR14S103	FD	Prop.	6.00	-	-	-	2.45	3.66	2.50
PR14S104	FD	Prop.	5.43	-	-	-	2.46	4.76	2.56
PR14S105	FD	Prop.	5.42	-	-	-	2.47	5.12	2.59
PR14S106	FD	Prop.	5.42	-	-	-	2.47	5.75	2.62
PR14S107	FD	Prop.	5.42	-	-	-	2.48	5.86	2.63
PR14S108	FD	Prop.	4.68	-	-	-	2.47	5.85	2.63
POND 15E1	Dry	Modified	5.00	3.30	3.69	3.39	2.80	3.57	3.19
POND 15E2	Dry	Modified	5.00	3.31	3.69	3.39	2.80	3.57	3.19
SWALE 15E1	Dry	Exist.	5.19	4.52	5.59	4.78	-	-	-
SWALE 15E2	Dry	Exist.	5.65	4.50	5.55	4.75	-	-	-
SWALE 15E3	Dry	Exist.	6.93	3.99	4.27	4.03	-	-	-
PR15S101	FD	Prop.	6.00	-	-	-	2.78	3.63	3.17
PR15S102	FD	Prop.	4.93	-	-	-	2.77	3.73	3.16
PR15S103	FD	Prop.	4.93	-	-	-	2.77	3.97	3.15
PR15S104	FD	Prop.	5.42	-	-	-	2.77	4.04	3.15
PR15S105	FD	Prop.	4.93	-	-	-	2.77	4.08	3.14
POND 16E1	Dry	Exist.	8.43	3.52	3.78	3.55	3.51	3.75	3.54
PR16S94	FD	Prop.	8.93	-	-	-	2.57	4.27	2.62

Control Structure Summary Table - Proposed Conditions					
Control Structure:	**Disposition [Exist./ Prop./ Modified]**	**Weir Type/ Geometry**	**Weir EL. (ft-NAVD)**	**Bleeder Type/ Geometry**	**Bleeder Invert EL. (ft-NAVD)**
PR14S38A	Prop.	Horizontal / Rectangular	2.00	-	-
EX15S93_WEIR	Exist.	Horizontal / Rectangular	3.23	-	-
EX16S99	Exist.	Horizontal/ Rectangular	3.43	-	-



LEGEND

B-### #.## AC CN ##.# — CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER	NODE NAME — BOUNDARY NODE WITH CONSTANT TAILWATER	###-### ##"-###' #.## #.## — EXFILTRATION TRENCH LINK WITH SIZE-LENGTH INVERT ELEVATION	####_WEIR VERTICAL TYPE EL. #.##, ## — WEIR LINK WITH WEIR TYPE ELEVATION, WIDTH	###### CHANNEL ###' #.## #.## — CHANNEL LINK WITH LENGTH INVERT ELEVATION
#-### — NODE NAME	PATRICIA LAKE — BOUNDARY NODE WITH VARIABLE TAILWATER	###-### (#)##"-###' #.## #.## — PIPE LINK WITH (QUANTITY)SIZE-LENGTH INVERT ELEVATION	##_## — RATING CURVE LINK	

N.T.S.

1 OF 5

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-1

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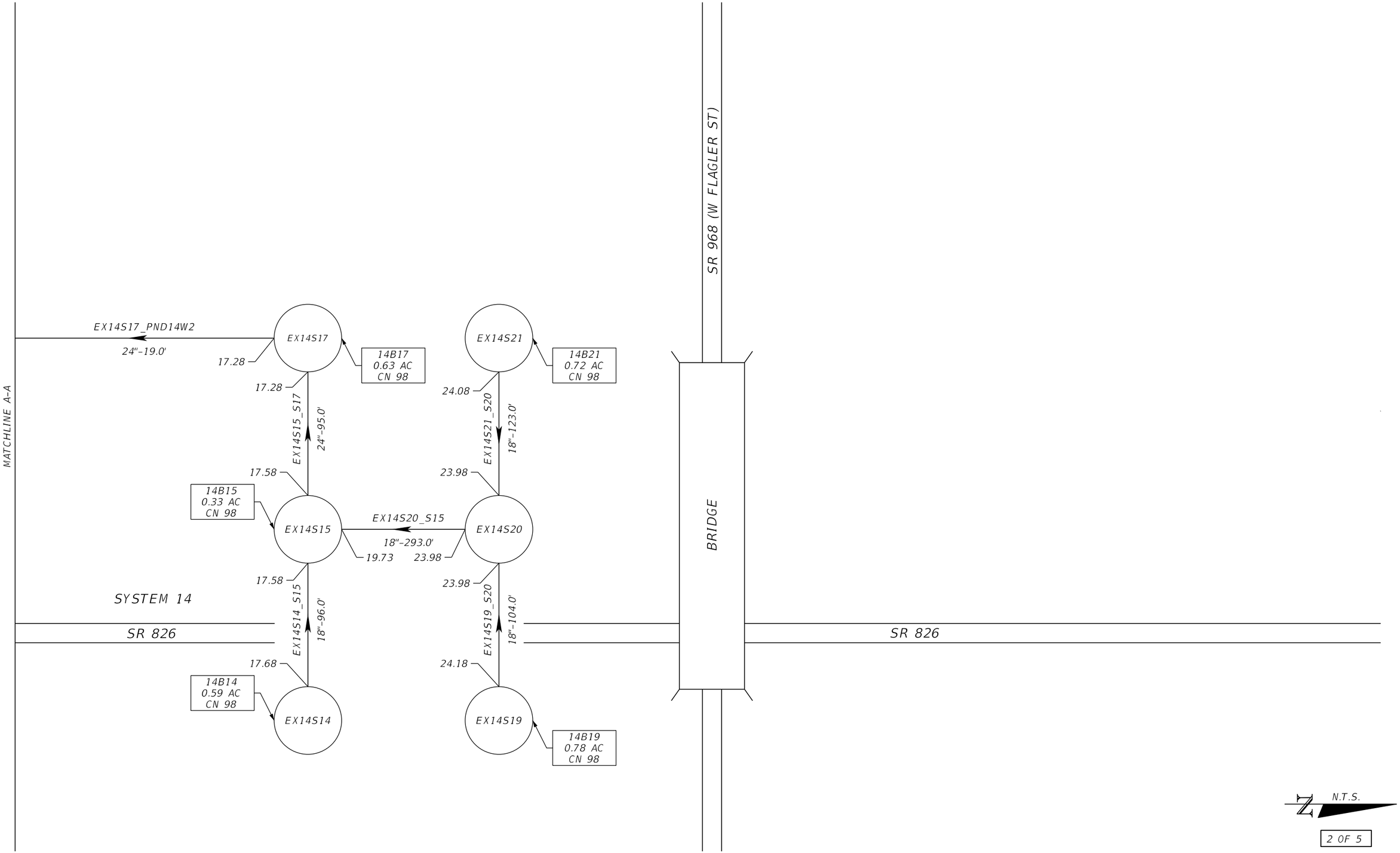

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-2

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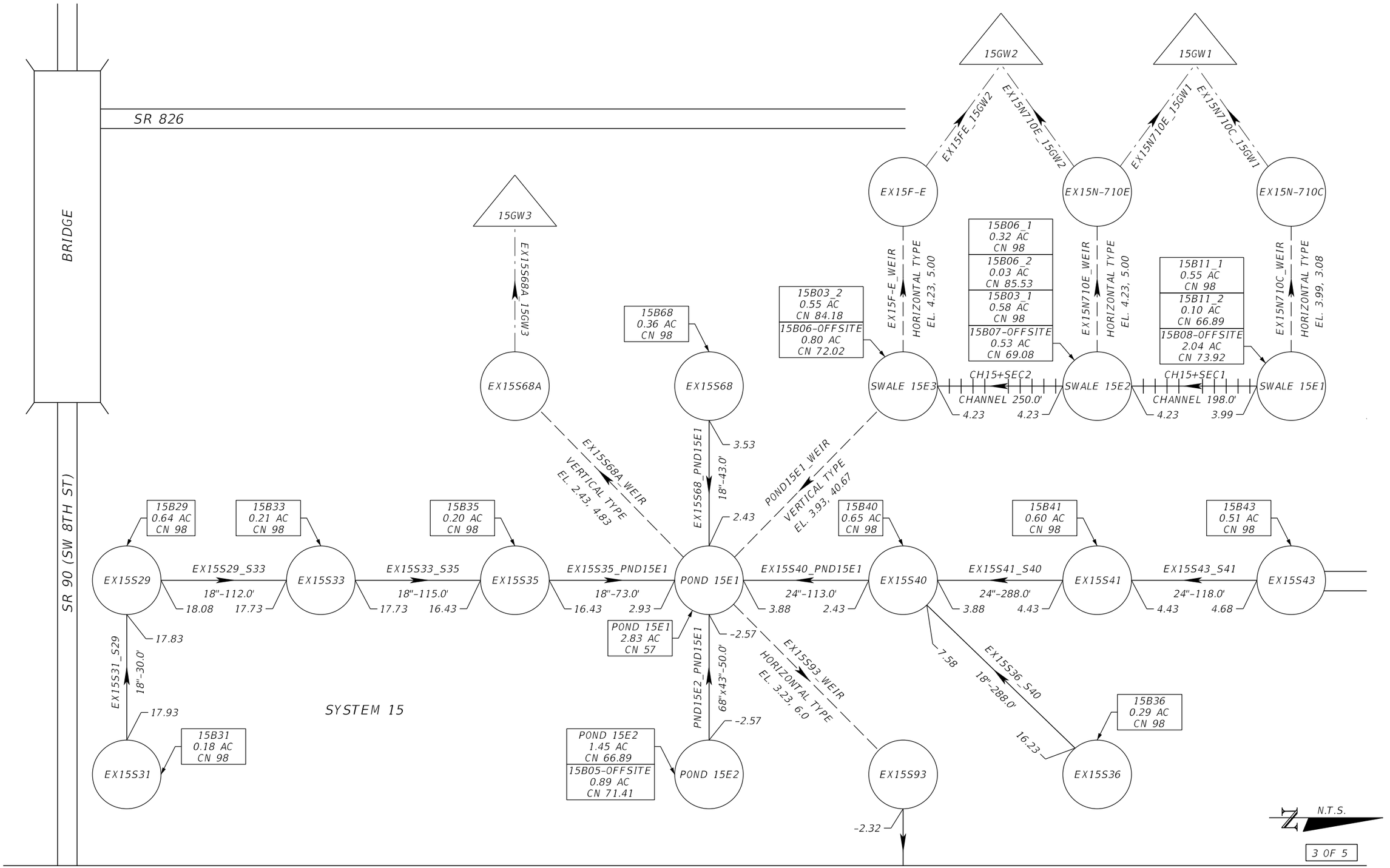

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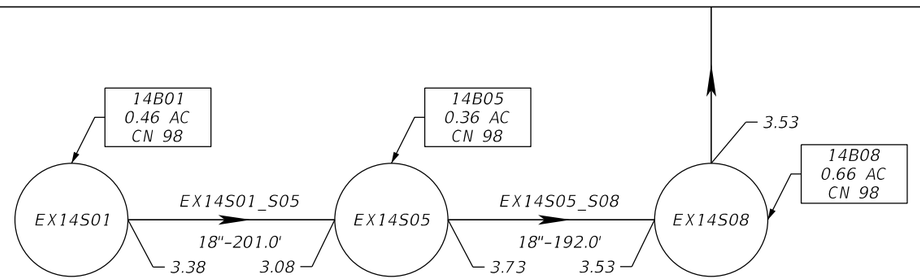
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-3

MATCHLINE B-B



SYSTEM 14

N.T.S.

4 OF 5

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO.
NL-4

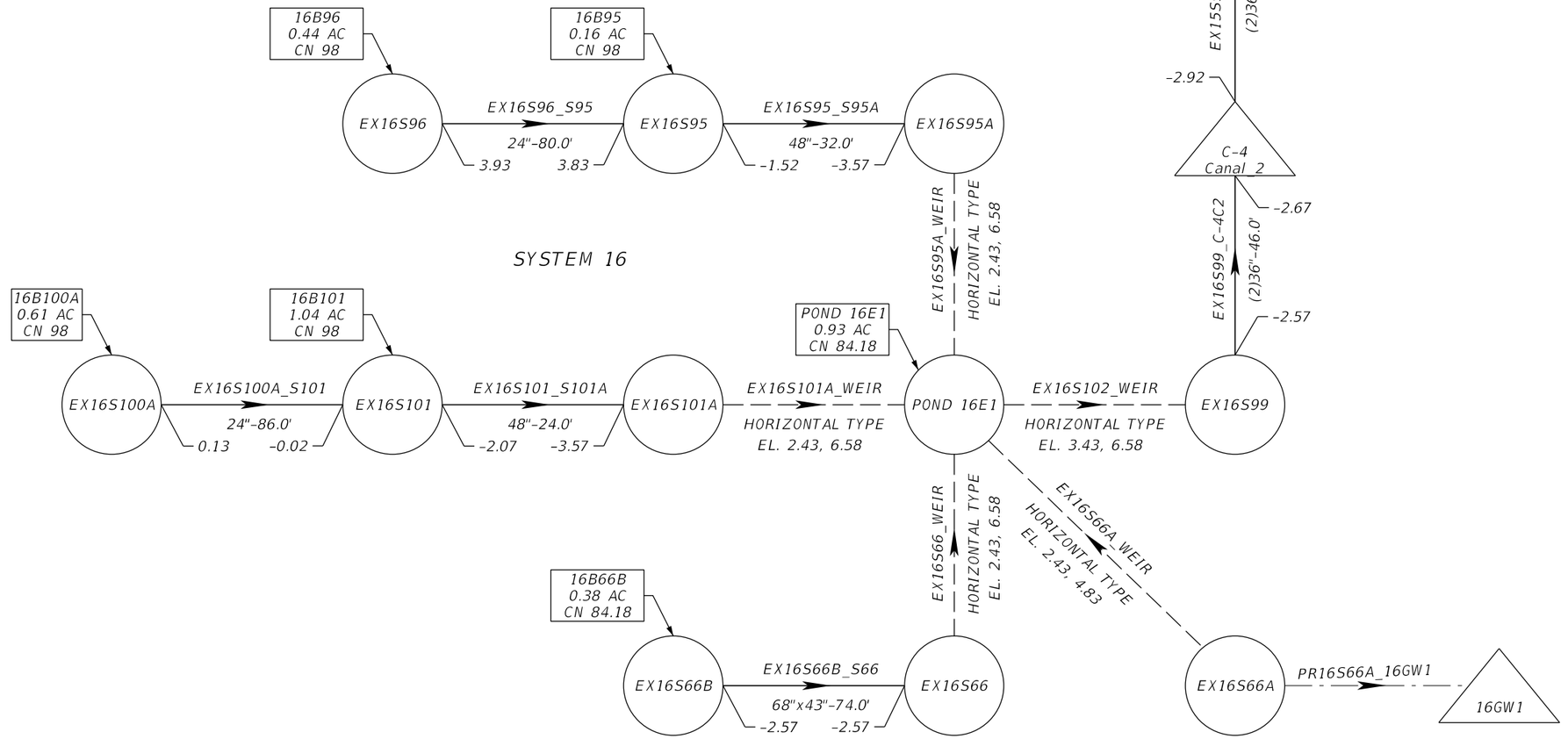
MATCHLINE C-C

BRIDGE

SR 826

SR 90 (SW 8TH ST)

SYSTEM 16



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5 OF 5

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REVISIONS			
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

PRE-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-5

Simple Basin: 14B01

Scenario:	Scenario1
Node:	EX14S01
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B01-OFFSITE

Scenario:	Scenario1
Node:	EX14SD2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0500 ac
Curve Number:	90.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B02-OFFSITE

Scenario:	Scenario1
Node:	EX14F-D
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.4200 ac
Curve Number:	83.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B03-OFFSITE

Scenario:	Scenario1
Node:	POND 14W3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5600 ac
Curve Number:	78.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B04-OFFSITE

Scenario:	Scenario1
Node:	POND 14W2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5500 ac
Curve Number:	77.6
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B05

Scenario:	Scenario1
Node:	EX14S05
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B08

Scenario:	Scenario1
Node:	EX14S08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B09

Scenario:	Scenario1
Node:	EX14S09
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B12

Scenario:	Scenario1
Node:	POND 14W3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2200 ac
Curve Number:	95.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B13

Scenario:	Scenario1
Node:	POND 14W2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1400 ac
Curve Number:	95.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B14

Scenario:	Scenario1
Node:	EX14S14
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B15

Scenario:	Scenario1
Node:	EX14S15
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B17

Scenario:	Scenario1
Node:	EX14S17
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B19

Scenario:	Scenario1
Node:	EX14S19
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B21

Scenario:	Scenario1
Node:	EX14S21
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B28

Scenario:	Scenario1
Node:	EX14S28
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B30

Scenario:	Scenario1
Node:	EX14S30
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B32

Scenario:	Scenario1
Node:	EX14S32
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B34

Scenario:	Scenario1
Node:	EX14S34
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B37

Scenario:	Scenario1
Node:	EX14S37
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B39

Scenario:	Scenario1
Node:	EX14S39
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14BD2

Scenario:	Scenario1
Node:	EX14SD2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.8200 ac
Curve Number:	80.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14BF-D

Scenario:	Scenario1
Node:	EX14F-D
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2900 ac
Curve Number:	75.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B03_1

Scenario:	Scenario1
Node:	SWALE 15E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B03_2

Scenario:	Scenario1
Node:	SWALE 15E3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0500 ac
Curve Number:	84.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B05-OFFSITE

Scenario:	Scenario1
Node:	POND 15E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8900 ac
Curve Number:	71.4
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B06-OFFSITE

Scenario:	Scenario1
Node:	SWALE 15E3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8000 ac
Curve Number:	72.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B06_1

Scenario:	Scenario1
Node:	SWALE 15E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B06_2

Scenario:	Scenario1
Node:	SWALE 15E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.0300 ac
Curve Number:	85.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B07-OFFSITE

Scenario:	Scenario1
Node:	SWALE 15E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5300 ac
Curve Number:	69.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B08-OFFSITE

Scenario:	Scenario1
Node:	SWALE 15E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.0400 ac
Curve Number:	73.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B11_1

Scenario:	Scenario1
Node:	SWALE 15E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B11_2

Scenario:	Scenario1
Node:	SWALE 15E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1000 ac
Curve Number:	66.9
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B29

Scenario:	Scenario1
Node:	EX15S29
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B31

Scenario:	Scenario1
Node:	EX15S31
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B33

Scenario:	Scenario1
Node:	EX15S33
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B35

Scenario:	Scenario1
Node:	EX15S35
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B36

Scenario:	Scenario1
Node:	EX15S36
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B40

Scenario:	Scenario1
Node:	EX15S40
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B41

Scenario:	Scenario1
Node:	EX15S41
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B43

Scenario:	Scenario1
Node:	EX15S43
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B68

Scenario:	Scenario1
Node:	EX15S68
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 16B100A

Scenario:	Scenario1
Node:	EX16S100A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 16B101

Scenario:	Scenario1
Node:	EX16S101
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 16B66B

Scenario:	Scenario1
Node:	EX16S66B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3800 ac
Curve Number:	84.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 16B95

Scenario:	Scenario1
Node:	EX16S95
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 16B96

Scenario:	Scenario1
Node:	EX16S96
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 14W1

Scenario:	Scenario1
Node:	POND 14W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.7800 ac
Curve Number:	71.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 15E1

Scenario:	Scenario1
Node:	POND 15E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8300 ac
Curve Number:	57.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 15E2

Scenario:	Scenario1
Node:	POND 15E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.4500 ac
Curve Number:	66.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 16E1

Scenario:	Scenario1
Node:	POND 16E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9300 ac
Curve Number:	84.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Node: 14GW1

Scenario:	Scenario1
Type:	Time/Stage
Base Flow:	0.00 cfs
Initial Stage:	1.43 ft
Warning Stage:	2.43 ft
Boundary Stage:	14GW1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	96.0000	1.43

Comment: FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: 14GW2

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 2.43 ft
Boundary Stage: 14GW2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	96.0000	1.43

Comment: FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: 14GW3

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 2.43 ft
Boundary Stage: 14GW3

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	96.0000	1.43

Comment: FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: 15GW1

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 2.43 ft
Boundary Stage: 15GW1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	96.0000	1.43

Comment: FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: 15GW2

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 2.43 ft
Boundary Stage: 15GW2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	96.0000	1.43

Comment: FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: 15GW3

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 2.43 ft
Boundary Stage: 15GW3

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	96.0000	1.43

Comment: FD FOR DRAWDOWN

Node: 16GW1

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 2.43 ft
Boundary Stage: 16GW1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	96.0000	1.43

Comment: FD FOR DRAWDOWN

Node: C-4 CANAL_1

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 2.43 ft
Boundary Stage: C-4 CANAL_1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	300.0000	1.43

Comment: FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: C-4 CANAL_2

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 2.43 ft
Boundary Stage: C-4 CANAL_2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	300.0000	1.43

Comment: FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX14F-D

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.93 ft

Stage [ft]	Area [ac]	Area [ft2]
-13.44	0.0012	52
1.56	0.0012	52
1.57	0.0005	21
3.43	0.0005	21
3.44	0.0048	209

Comment:

Node: EX14S01

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 7.48 ft

Stage [ft]	Area [ac]	Area [ft2]
1.38	0.0003	13
7.48	0.0003	13
7.49	0.0030	131

Comment: S-01 FROM SR 826/SR 836 INTERCHANGE SECTION 5 SEGMENT 1, FPID NO. 249581-1-52-01

Node: EX14S05

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 8.93 ft

Stage [ft]	Area [ac]	Area [ft2]
1.08	0.0003	13
8.93	0.0003	13
8.94	0.0030	131

Comment: S-05 FROM SR 826/SR 836 INTERCHANGE SECTION 5 SEGMENT 1, FPID NO. 249581-1-52-01

Node: EX14S08

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.53 ft

Warning Stage: 13.49 ft

Stage [ft]	Area [ac]	Area [ft2]
1.53	0.0003	13
13.49	0.0003	13
13.50	0.0030	131

Comment: S-08 FROM SR 826/SR 836 INTERCHANGE SECTION 5 SEGMENT 1, FPID NO. 249581-1-52-01

Node: EX14S09

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 12.36 ft

Stage [ft]	Area [ac]	Area [ft2]
0.43	0.0003	13
12.36	0.0003	13
12.37	0.0030	131

Comment: S-09 FROM SR 826/SR 836 INTERCHANGE SECTION 5 SEGMENT 1, FPID NO. 249581-1-52-01

Node: EX14S12

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.93 ft

Stage [ft]	Area [ac]	Area [ft2]
-13.44	0.0027	118
1.56	0.0027	118
1.57	0.0005	21
2.43	0.0005	21
2.44	0.0048	209

Comment:

Node: EX14S13

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.93 ft

Stage [ft]	Area [ac]	Area [ft2]
-13.24	0.0023	100
1.76	0.0023	100
1.77	0.0005	21
2.43	0.0005	21
2.44	0.0048	209

Comment:

Node: EX14S14

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.68 ft
Warning Stage: 22.71 ft

Stage [ft]	Area [ac]	Area [ft2]
15.68	0.0003	13
22.71	0.0003	13
22.72	0.0030	131

Comment: S-14 FROM SR 826/SR 836 INTERCHANGE SECTION 5 SEGMENT 1, FPID NO. 249581-1-52-01

Node: EX14S15

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.58 ft
Warning Stage: 24.04 ft

Stage [ft]	Area [ac]	Area [ft2]
15.58	0.0003	13
24.04	0.0003	13
24.05	0.0030	131

Comment: S-15 FROM SR 826/SR 836 INTERCHANGE SECTION 5 SEGMENT 1, FPID NO. 249581-1-52-01

Node: EX14S17

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.28 ft
Warning Stage: 22.83 ft

Stage [ft]	Area [ac]	Area [ft2]
17.28	0.0003	13
22.83	0.0003	13
22.84	0.0030	131

Comment: S-17 FROM SR 826/SR 836 INTERCHANGE SECTION 5 SEGMENT 1, FPID NO. 249581-1-52-01

Node: EX14S19

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.18 ft
Warning Stage: 29.32 ft

Stage [ft]	Area [ac]	Area [ft2]
22.18	0.0003	13
29.32	0.0003	13
29.33	0.0030	131

Comment: S-19 FROM SR 826/SR 836 INTERCHANGE SECTION 5 SEGMENT 1, FPID NO. 249581-1-52-01

Node: EX14S20

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 23.98 ft
Warning Stage: 31.50 ft

Stage [ft]	Area [ac]	Area [ft2]
21.98	0.0003	13
31.50	0.0003	13

Comment: S-20 FROM SR 826/SR 836 INTERCHANGE SECTION 5 SEGMENT 1, FPID NO. 249581-1-52-01

Node: EX14S21

Scenario: Scenario1

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.08 ft
Warning Stage: 29.08 ft

Stage [ft]	Area [ac]	Area [ft2]
22.08	0.0003	13
29.08	0.0003	13
29.09	0.0030	131

Comment: S-21 FROM SR 826/SR 836 INTERCHANGE SECTION 5 SEGMENT 1, FPID NO. 249581-1-52-01

Node: EX14S28

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 22.43 ft
Warning Stage: 26.73 ft

Stage [ft]	Area [ac]	Area [ft2]
22.43	0.0003	13
26.73	0.0003	13
26.74	0.0030	131

Comment: S-28 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX14S30

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.93 ft
Warning Stage: 25.67 ft

Stage [ft]	Area [ac]	Area [ft2]
16.93	0.0003	13
25.67	0.0003	13
25.68	0.0030	131

Comment: S-30 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX14S32

Scenario: Scenario1

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.43 ft
Warning Stage: 22.21 ft

Stage [ft]	Area [ac]	Area [ft2]
16.43	0.0003	13
22.21	0.0003	13
22.22	0.0030	131

Comment: S-32 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX14S34

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.83 ft
Warning Stage: 20.44 ft

Stage [ft]	Area [ac]	Area [ft2]
11.83	0.0003	13
20.44	0.0003	13
20.45	0.0030	131

Comment: S-34 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX14S37

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.43 ft
Warning Stage: 12.79 ft

Stage [ft]	Area [ac]	Area [ft2]
7.43	0.0003	13
12.79	0.0003	13
12.80	0.0030	131

Comment: S-37 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX14S38

Scenario: Scenario1

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 10.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0015	65
3.43	0.0015	65
3.44	0.0150	653

Comment: COUNTS FOR 3 STRUCTURES. FROM AS-BUILT PLANS FPID 249649-1-52-01

Node: EX14S39

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.43 ft
Warning Stage: 11.34 ft

Stage [ft]	Area [ac]	Area [ft2]
4.43	0.0003	13
11.34	0.0003	13
11.35	0.0030	131

Comment: S-39 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX14SD2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 3.78 ft

Stage [ft]	Area [ac]	Area [ft2]
1.43	0.0001	4
2.43	0.0260	1133
2.93	0.0350	1525
3.43	0.1732	7545
3.78	0.2374	10341

Comment: D-2 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX15F-E

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-12.24	0.0037	161
2.76	0.0037	161
2.77	0.0005	21
4.23	0.0005	21
4.24	0.0048	209

Comment:

Node: EX15N-710C

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.19 ft

Stage [ft]	Area [ac]	Area [ft2]
-12.24	0.0029	126
2.76	0.0029	126
2.77	0.0005	21
3.99	0.0005	21
4.00	0.0048	209

Comment:

Node: EX15N-710E

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.65 ft

Stage [ft]	Area [ac]	Area [ft2]
-12.24	0.0037	161
2.76	0.0037	161
2.77	0.0005	21
4.23	0.0005	21
4.24	0.0048	209

Comment:

Node: EX15S29

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.83 ft
Warning Stage: 25.38 ft

Stage [ft]	Area [ac]	Area [ft2]
17.83	0.0003	13
25.38	0.0003	13
25.39	0.0030	131

Comment: S-29 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX15S31

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.93 ft
Warning Stage: 26.72 ft

Stage [ft]	Area [ac]	Area [ft2]
17.93	0.0003	13
26.72	0.0003	13
26.73	0.0030	131

Comment: S-31 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX15S33

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.73 ft
Warning Stage: 23.72 ft

Stage [ft]	Area [ac]	Area [ft2]
17.73	0.0003	13
23.72	0.0003	13
23.73	0.0030	131

Comment: S-33 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX15S35

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.43 ft
Warning Stage: 21.93 ft

Stage [ft]	Area [ac]	Area [ft2]
16.43	0.0003	13
21.93	0.0003	13
21.94	0.0030	131

Comment: S-35 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX15S36

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.23 ft
Warning Stage: 19.86 ft

Stage [ft]	Area [ac]	Area [ft2]
16.23	0.0003	13
19.86	0.0003	13
19.87	0.0030	131

Comment: S-36 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX15S40

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.88 ft
Warning Stage: 11.85 ft

Stage [ft]	Area [ac]	Area [ft2]
3.88	0.0003	13
11.85	0.0003	13
11.86	0.0030	131

Comment: S-40 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX15S41

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.43 ft
Warning Stage: 9.24 ft

Stage [ft]	Area [ac]	Area [ft2]
4.43	0.0003	13
9.24	0.0003	13
9.25	0.0030	131

Comment: S-41 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX15S43

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.68 ft
Warning Stage: 8.73 ft

Stage [ft]	Area [ac]	Area [ft2]
4.68	0.0003	13
8.73	0.0003	13
8.74	0.0030	131

Comment: S-43 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX15S68

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.53 ft
Warning Stage: 7.54 ft

Stage [ft]	Area [ac]	Area [ft2]
3.53	0.0003	13
7.54	0.0003	13
7.55	0.0030	131

Comment: S-68 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX15S68A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 8.20 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.32	0.0006	24
2.43	0.0006	24
2.44	0.0055	240

Comment:

Node: EX15S93

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.47 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.82	0.0014	61
3.23	0.0014	61
3.24	0.0140	610

Comment: COUNTS FOR 2 STRUCTURES.
FROM AS-BUILT PLANS FPID 249649-1-52-01

Node: EX16S100A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 7.89 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.87	0.0003	13
7.89	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
7.90	0.0030	131

Comment: FROM AS-BUILT PLANS FPID 249649-1-52-01

Node: EX16S101

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 7.85 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.07	0.0003	13
7.85	0.0003	13
7.86	0.0030	131

Comment: FROM AS-BUILT PLANS FPID 249649-1-52-01

Node: EX16S101A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 8.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.57	0.0003	13
2.43	0.0003	13
2.44	0.0030	131

Comment: FROM AS-BUILT PLANS FPID 249649-1-52-01

Node: EX16S66

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 8.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.54	0.0003	13

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.0003	13
2.44	0.0030	131

Comment: FROM AS-BUILT PLANS FPID 249649-1-52-01

Node: EX16S66A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 8.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.32	0.0006	24
2.43	0.0006	24
2.44	0.0055	240

Comment:

Node: EX16S66B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.54	0.0003	13
3.43	0.0003	13
3.44	0.0030	131

Comment: FROM AS-BUILT PLANS FPID 249649-1-52-01

Node: EX16S95

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 8.50 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.52	0.0003	13
8.50	0.0003	13
8.51	0.0030	131

Comment: FROM AS-BUILT PLANS FPID 249649-1-52-01

Node: EX16S95A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 8.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.57	0.0003	13
2.43	0.0003	13
2.44	0.0030	131

Comment: FROM AS-BUILT PLANS FPID 249649-1-52-01

Node: EX16S96

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 8.74 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.07	0.0003	13
8.74	0.0003	13
8.75	0.0030	131

Comment: FROM AS-BUILT PLANS FPID 249649-1-52-01

Node: EX16S99

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.07	0.0014	61
3.43	0.0014	61
3.44	0.0140	610

Comment: COUNTS FOR 2 STRUCTURES.
FROM AS-BUILT PLANS FPID 249649-1-52-01

Node: POND 14W1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	3.0900	134600
2.93	3.1800	138521
3.18	3.2200	140263
3.43	3.2700	142441

Comment: D-1 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: POND 14W2

Scenario: Scenario1
Type: Stage/Volume
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.03 ft

Stage [ft]	Volume [ac-ft]	Volume [ft3]
2.43	0.00	0
4.55	0.00	113
5.03	0.00	209

Comment: S-13 FROM SR 826/SR 836 INTERCHANGE SECTION 5 SEGMENT 1, FPID NO. 249581-1-52-01

Node: POND 14W3

Scenario: Scenario1
Type: Stage/Volume
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft

Warning Stage: 5.30 ft

Stage [ft]	Volume [ac-ft]	Volume [ft3]
1.43	0.00	0
5.12	0.01	527
5.30	0.02	675

Comment: S-12 FROM SR 826/SR 836 INTERCHANGE SECTION 5 SEGMENT 1, FPID NO. 249581-1-52-01

Node: POND 14W4

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-13.44	0.0023	100
1.56	0.0023	100
1.57	0.0005	21
3.43	0.0005	21
3.44	0.0048	209
4.43	0.5260	22913
4.93	0.8750	38115
5.43	0.9900	43124

Comment: F-D FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: POND 15E1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 8.20 ft

Stage [ft]	Area [ac]	Area [ft2]
1.43	0.0001	4
2.43	1.2700	55321
2.93	1.3200	57499
3.18	1.3400	58370
3.43	1.3600	59242
3.78	1.4000	60984
3.98	1.4200	61855
4.43	1.4600	63598
5.53	1.5600	67954

Stage [ft]	Area [ac]	Area [ft2]
5.71	1.5800	68825
6.10	1.6100	70132
6.24	1.6300	71003
6.43	1.6400	71438
7.43	1.7400	75794
8.20	1.8100	78844

Comment: E-2 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: POND 15E2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.43 ft

Stage [ft]	Area [ac]	Area [ft2]
1.43	0.0001	4
3.43	0.8500	37026
3.78	0.8900	38768
3.98	0.9100	39640
4.43	0.9500	41382

Comment: E-4 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: POND 16E1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 8.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.3200	13939
4.43	0.3400	14810
6.43	0.3700	16117
8.43	0.4000	17424

Comment: Determined by contours

Node: SWALE 15E1

Scenario: Scenario1
Type: Stage/Volume
Base Flow: 0.00 cfs
Initial Stage: 3.99 ft
Warning Stage: 5.19 ft

Stage [ft]	Volume [ac-ft]	Volume [ft3]
3.99	0.00	0
4.71	0.03	1350
5.19	0.07	3223

Comment: N-710C FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: SWALE 15E2

Scenario: Scenario1
Type: Stage/Volume
Base Flow: 0.00 cfs
Initial Stage: 4.23 ft
Warning Stage: 5.65 ft

Stage [ft]	Volume [ac-ft]	Volume [ft3]
4.23	0.00	0
5.25	0.00	152
5.65	0.01	279

Comment: N-710E FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: SWALE 15E3

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.93 ft
Warning Stage: 6.93 ft

Stage [ft]	Area [ac]	Area [ft2]
-13.32	0.0030	131
1.68	0.0030	131
1.69	0.0005	21
4.23	0.0005	21
4.24	0.0048	209
4.43	0.2580	11238
4.93	0.6650	28967
5.43	0.8940	38943
5.93	0.9450	41164
6.43	0.9780	42602

Stage [ft]	Area [ac]	Area [ft2]
6.93	0.9900	43124

Comment: F-E FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Channel Link: CH14+SEC1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.43 ft	Invert:	2.43 ft
From Node:	POND 14W2	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	POND 14W3	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	X_EX14S13	Cross Section:	X_EX14S12
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	300.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.50				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Comment:

Channel Link: CH14+SEC2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.43 ft	Invert:	3.43 ft
From Node:	POND 14W3	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	POND 14W4	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	X_EX14S12	Cross Section:	X_EX14F-D
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	370.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.50				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Comment:

Channel Link: CH15+SEC1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.99 ft	Invert:	4.23 ft
From Node:	SWALE 15E1	Manning's N:	0.0000	Manning's N:	0.0000

To Node:	SWALE 15E2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	198.00 ft
Contraction Coef:	0.00
Expansion Coef:	0.00
Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 ft
Energy Switch:	Energy

Geometry: Irregular		Geometry: Irregular	
Cross Section:	X_EX14N_710C	Cross Section:	X_EX14N_710E

Comment:

Channel Link: CH15+SEC2

Scenario:	Scenario1
From Node:	SWALE 15E2
To Node:	SWALE 15E3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	250.00 ft
Contraction Coef:	0.00
Expansion Coef:	0.00
Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 ft
Energy Switch:	Energy

Upstream		Downstream	
Invert:	4.23 ft	Invert:	4.23 ft
Manning's N:	0.0000	Manning's N:	0.0000
Geometry: Irregular		Geometry: Irregular	
Cross Section:	X_EX14N_710E	Cross Section:	X_EX14F-E

Comment:

Weir Link: EX14F-D_WEIR

Scenario:	Scenario1
From Node:	POND 14W4
To Node:	EX14F-D
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	3.43 ft
Control Elevation:	3.43 ft
Max Depth:	4.83 ft
Max Width:	5.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Rating Curve Link: EX14FD_14GW2

Scenario: Scenario1
From Node: EX14F-D
To Node: 14GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX14S12_14GW2	1.43	EX14F-D	1.43	EX14F-D

Comment:

Rating Curve Link: EX14FD_14GW3

Scenario: Scenario1
From Node: EX14F-D
To Node: 14GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX14F-D_14GW3	1.43	EX14F-D	1.43	EX14F-D

Comment:

Pipe Link: EX14S01_S05

Scenario: Scenario1
From Node: EX14S01
To Node: EX14S05
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 201.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream		Downstream	
Invert:	3.38 ft	Invert:	3.08 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	1.50 ft	Max Depth:	1.50 ft
Bottom Clip		Bottom Clip	
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip		Top Clip	
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX14S05_S08		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.73 ft	Invert:	3.53 ft
From Node:	EX14S05	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX14S08	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	192.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX14S08_S09		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.53 ft	Invert:	3.33 ft
From Node:	EX14S08	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX14S09	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	95.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX14S09_PND14W3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.43 ft	Invert:	2.43 ft
From Node:	EX14S09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 14W3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	12.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX14S12_14GW1

Scenario: Scenario1
From Node: EX14S12
To Node: 14GW1
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX14S13_14GW1	1.43	POND 14W3	1.43	POND 14W3

Comment:

Rating Curve Link: EX14S12_14GW2

Scenario: Scenario1
From Node: EX14S12
To Node: 14GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX14S12_14GW2	1.43	POND 14W3	1.43	POND 14W3

Comment:

Weir Link: EX14S12_WEIR

Scenario: Scenario1
From Node: POND 14W3
To Node: EX14S12
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 2.43 ft
Control Elevation: 2.43 ft
Max Depth: 4.83 ft
Max Width: 5.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Rating Curve Link: EX14S13_14GW1

Scenario: Scenario1
From Node: EX14S13
To Node: 14GW1
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX14S13_14GW1	1.43	POND 14W2	1.43	POND 14W2

Comment:

Weir Link: EX14S13_WEIR

Scenario: Scenario1
From Node: POND 14W2
To Node: EX14S13
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 2.43 ft
Control Elevation: 2.43 ft
Max Depth: 4.83 ft
Max Width: 5.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: EX14S14_S15

Scenario: Scenario1
From Node: EX14S14
To Node: EX14S15
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 96.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft

Upstream
Invert: 17.68 ft
Manning's N: 0.0120

Geometry: Circular
Max Depth: 1.50 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip
Default: 0.00 ft
Op Table:

Downstream
Invert: 17.58 ft
Manning's N: 0.0120

Geometry: Circular
Max Depth: 1.50 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip
Default: 0.00 ft
Op Table:

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX14S15_S17		Upstream		Downstream	
Scenario:	Scenario1	Invert:	17.58 ft	Invert:	17.28 ft
From Node:	EX14S15	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX14S17	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	95.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX14S17_PND14W2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	17.28 ft	Invert:	2.43 ft
From Node:	EX14S17	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 14W2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	19.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX14S19_S20		Upstream		Downstream	
Scenario:	Scenario1	Invert:	24.18 ft	Invert:	23.98 ft
From Node:	EX14S19	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX14S20	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	104.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX14S20_S15		Upstream		Downstream	
Scenario:	Scenario1	Invert:	23.98 ft	Invert:	19.73 ft
From Node:	EX14S20	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX14S15	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	293.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX14S21_S20		Upstream		Downstream	
Scenario:	Scenario1	Invert:	24.08 ft	Invert:	23.98 ft
From Node:	EX14S21	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX14S20	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	123.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX14S28_S30		Upstream		Downstream	
Scenario:	Scenario1	Invert:	22.43 ft	Invert:	21.93 ft
From Node:	EX14S28	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX14S30	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	165.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX14S30_S34		Upstream		Downstream	
Scenario:	Scenario1	Invert:	16.43 ft	Invert:	11.83 ft
From Node:	EX14S30	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX14S34	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	170.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX14S32_S30		Upstream		Downstream	
Scenario:	Scenario1	Invert:	17.13 ft	Invert:	16.93 ft
From Node:	EX14S32	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX14S30	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX14S34_S37		Upstream		Downstream	
Scenario:	Scenario1	Invert:	11.83 ft	Invert:	7.43 ft
From Node:	EX14S34	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX14S37	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	200.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX14S37_S39		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.43 ft	Invert:	4.43 ft
From Node:	EX14S37	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX14S39	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	100.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX14S38_C-4C1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-3.07 ft	Invert:	-3.32 ft
From Node:	EX14S38	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	C-4 CANAL_1	Geometry: Circular		Geometry: Circular	
Link Count:	3	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	90.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX14S38_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	POND 14W1	Default:	0.00 ft
To Node:	EX14S38	Op Table:	
Link Count:	3	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.43 ft	Discharge Coefficients	
Control Elevation:	3.43 ft	Weir Default:	2.800
Max Depth:	6.58 ft	Weir Table:	
Max Width:	3.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EX14S39_PND14W1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.43 ft	Invert:	2.93 ft
From Node:	EX14S39	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 14W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	78.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX14SD2_PND14W1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-4.52 ft	Invert:	-4.52 ft
From Node:	EX14SD2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 14W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX14SD2_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	POND 14W4	Default:	0.00 ft
To Node:	EX14SD2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.43 ft	Discharge Coefficients	
Control Elevation:	4.43 ft	Weir Default:	2.800
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	4.17 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Weir Link: EX15F-E_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	SWALE 15E3	Default:	0.00 ft
To Node:	EX15F-E	Op Table:	

Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	4.23 ft
Control Elevation:	4.23 ft
Max Depth:	4.83 ft
Max Width:	5.00 ft
Fillet:	0.00 ft

Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Rating Curve Link: EX15FE_15GW2

Scenario:	Scenario1
From Node:	EX15F-E
To Node:	15GW2
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX15N710E_15GW2	1.43	SWALE 15E3	1.43	SWALE 15E3

Comment:

Rating Curve Link: EX15N710C_15GW1

Scenario:	Scenario1
From Node:	EX15N-710C
To Node:	15GW1
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX15N710C_15GW1	1.43	SWALE 15E1	1.43	SWALE 15E1

Comment:

Weir Link: EX15N710C_WEIR

Scenario:	Scenario1
From Node:	SWALE 15E1
To Node:	EX15N-710C
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft

Weir Type:	Horizontal		
Geometry Type:	Rectangular	Op Table:	
Invert:	3.99 ft	Ref Node:	
Control Elevation:	3.99 ft	**Discharge Coefficients**	
Max Depth:	4.08 ft	Weir Default:	2.800
Max Width:	3.08 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Rating Curve Link: EX15N710E_15GW1

Scenario: Scenario1
From Node: EX15N-710E
To Node: 15GW1
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX15N710C_15GW1	1.43	SWALE 15E2	1.43	SWALE 15E2

Comment:

Rating Curve Link: EX15N710E_15GW2

Scenario: Scenario1
From Node: EX15N-710E
To Node: 15GW2
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX15N710E_15GW2	1.43	SWALE 15E2	1.43	SWALE 15E2

Comment:

Weir Link: EX15N710E_WEIR

Scenario:	Scenario1	**Bottom Clip**	
From Node:	SWALE 15E2	Default:	0.00 ft
To Node:	EX15N-710E	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.23 ft	**Discharge Coefficients**	

Control Elevation:	4.23 ft		
Max Depth:	4.83 ft	Weir Default:	2.800
Max Width:	5.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Pipe Link: EX15S29_S33		Upstream		Downstream	
Scenario:	Scenario1	Invert:	18.08 ft	Invert:	17.73 ft
From Node:	EX15S29	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX15S33	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	112.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX15S31_S29		Upstream		Downstream	
Scenario:	Scenario1	Invert:	17.93 ft	Invert:	17.83 ft
From Node:	EX15S31	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX15S29	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX15S33_S35	Upstream	Downstream

Scenario:	Scenario1	Invert:	17.73 ft	Invert:	16.43 ft
From Node:	EX15S33	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX15S35	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	115.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX15S35_PND15E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	16.43 ft	Invert:	2.93 ft
From Node:	EX15S35	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 15E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	73.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX15S36_S40		Upstream		Downstream	
Scenario:	Scenario1	Invert:	16.23 ft	Invert:	7.58 ft
From Node:	EX15S36	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX15S40	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	288.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX15S40_PND15E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.88 ft	Invert:	2.43 ft
From Node:	EX15S40	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 15E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	113.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX15S41_S40		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.43 ft	Invert:	3.88 ft
From Node:	EX15S41	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX15S40	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	288.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX15S43_S41		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.68 ft	Invert:	4.43 ft
From Node:	EX15S43	Manning's N:	0.0120	Manning's N:	0.0120

		Geometry: Circular		Geometry: Circular	
To Node:	EX15S41	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	118.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX15S68A_15GW3

Scenario: Scenario1
From Node: EX15S68A
To Node: 15GW3
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX15S68A_15GW3	1.43	POND 15E1	1.43	POND 15E1

Comment:

Weir Link: EX15S68A_WEIR

		Bottom Clip	
Scenario:	Scenario1	Default:	0.00 ft
From Node:	POND 15E1	Op Table:	
To Node:	EX15S68A	Ref Node:	
Link Count:	1	Top Clip	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Horizontal	Ref Node:	
Geometry Type:	Rectangular	Discharge Coefficients	
Invert:	2.43 ft	Weir Default:	2.800
Control Elevation:	2.43 ft	Weir Table:	
Max Depth:	5.00 ft	Orifice Default:	0.600
Max Width:	4.83 ft	Orifice Table:	
Fillet:	0.00 ft		

Comment:

Pipe Link: EX15S68_PND15E1	Upstream	Downstream

Scenario:	Scenario1	Invert:	3.53 ft	Invert:	2.43 ft
From Node:	EX15S68	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 15E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	43.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX15S93_C-4C2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.32 ft	Invert:	-2.92 ft
From Node:	EX15S93	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	C-4 CANAL_2	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	59.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX15S93_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	POND 15E1	Default:	0.00 ft
To Node:	EX15S93	Op Table:	
Link Count:	2	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.23 ft	Discharge Coefficients	
Control Elevation:	3.23 ft	Weir Default:	2.800
Max Depth:	12.00 ft	Weir Table:	

Max Width:	6.00 ft		
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Pipe Link: EX16S100A_S101		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.13 ft	Invert:	-0.02 ft
From Node:	EX16S100A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX16S101	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	86.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX16S101A_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	EX16S101A	Default:	0.00 ft
To Node:	POND 16E1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.43 ft	Discharge Coefficients	
Control Elevation:	2.43 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	6.58 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EX16S101_S101A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.07 ft	Invert:	-3.57 ft
From Node:	EX16S101	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX16S101A	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	24.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX16S66A_16GW1

Scenario: Scenario1
From Node: EX16S66A
To Node: 16GW1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX16S66A_16GW1	1.43	POND 16E1	1.43	POND 16E1

Comment:

Weir Link: EX16S66A_WEIR

Scenario:	Scenario1	Bottom Clip	
From Node:	POND 16E1	Default:	0.00 ft
To Node:	EX16S66A	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.43 ft	Discharge Coefficients	
Control Elevation:	2.43 ft	Weir Default:	2.800
Max Depth:	5.00 ft	Weir Table:	
Max Width:	4.83 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EX16S66B_S66		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.57 ft	Invert:	-2.57 ft

From Node:	EX16S66B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX16S66	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	5.70 ft	Max Depth:	5.70 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	74.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX16S66_WEIR

Scenario:	Scenario1	Bottom Clip	
From Node:	EX16S66	Default:	0.00 ft
To Node:	POND 16E1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.43 ft	Discharge Coefficients	
Control Elevation:	2.43 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	6.58 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Weir Link: EX16S95A_WEIR

Scenario:	Scenario1	Bottom Clip	
From Node:	EX16S95A	Default:	0.00 ft
To Node:	POND 16E1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.43 ft	Discharge Coefficients	
Control Elevation:	2.43 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	6.58 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EX16S95_S95A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-1.52 ft	Invert:	-3.57 ft
From Node:	EX16S95	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX16S95A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	32.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX16S96_S95		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.93 ft	Invert:	3.83 ft
From Node:	EX16S96	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX16S95	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	80.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX16S99_C-4C2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.57 ft	Invert:	-2.67 ft
From Node:	EX16S99	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	C-4 CANAL_2	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX16S99_WEIR

Scenario:	Scenario1	Bottom Clip	
From Node:	POND 16E1	Default:	0.00 ft
To Node:	EX16S99	Op Table:	
Link Count:	2	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.43 ft	Discharge Coefficients	
Control Elevation:	3.43 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	6.58 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: PND15E2_PND15E1

		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.57 ft	Invert:	-2.57 ft
From Node:	POND 15E2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 15E1	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	5.67 ft	Max Depth:	5.67 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: POND15E1_WEIR

Scenario:	Scenario1	**Bottom Clip**	
From Node:	SWALE 15E3	Default:	0.00 ft
To Node:	POND 15E1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.93 ft	**Discharge Coefficients**	
Control Elevation:	3.93 ft	Weir Default:	2.800
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	40.67 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Rating Curve: EX14F-D_14GW3

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.43	1.43	0.00
1.43	1.56	0.02
1.43	6.43	0.79
2.43	2.43	0.00
2.43	6.43	0.63

Comment:

Rating Curve: EX14S12_14GW2

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.43	1.43	0.00
1.43	1.56	0.05
1.43	6.43	1.82
2.43	2.43	0.00
2.43	6.43	1.46

Comment:

Rating Curve: EX14S13_14GW1

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.43	1.43	0.00
1.43	1.76	0.10
1.43	6.43	1.61
2.43	2.43	0.00
2.43	6.43	1.29

Comment:

Rating Curve: EX15N710C_15GW1

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.43	1.43	0.00
1.43	2.76	0.29
1.43	6.43	1.19
2.43	2.43	0.00
2.43	6.43	0.98

Comment:

Rating Curve: EX15N710E_15GW2

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.43	1.43	0.00
1.43	2.76	0.38
1.43	6.43	1.54
2.43	2.43	0.00
2.43	6.43	1.27

Comment:

Rating Curve: EX15S68A_15GW3

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.43	1.43	0.00
1.43	1.43	0.00
1.43	6.43	1.54
2.43	2.43	0.00
2.43	6.43	1.23

Comment:

Rating Curve: EX16S66A_16GW1

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.43	1.43	0.00
1.43	1.43	0.00
1.43	6.43	1.00
2.43	2.43	0.00
2.43	6.43	0.80

Comment:

Simulation: 100YR-1HR

Scenario: Scenario1
Run Date/Time: 8/10/2019 6:25:57 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 5.10 in
Storm Duration: 1.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 100YR-24HR

Scenario: Scenario1
Run Date/Time: 8/10/2019 6:28:23 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 100YR-24HR
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:

Vertical Layers Set:	
Impervious Set:	IMP
Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	13.44 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100YR-8HR

Scenario:	Scenario1
Run Date/Time:	8/10/2019 6:33:03 PM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 100YR-8HR
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-8
Rainfall Amount: 9.60 in
Storm Duration: 8.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2

Energy Switch (2D): Energy Energy Switch (1D): Energy

Comment:

Simulation: 10YR-1HR

Scenario: Scenario1
Run Date/Time: 8/10/2019 6:36:08 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN

Folder:

Green-Ampt Set:	
Vertical Layers Set:	
Impervious Set:	IMP
Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.55 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-24HR

Scenario:	Scenario1
Run Date/Time:	8/10/2019 6:38:31 PM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.5000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 10YR-24HR
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 8.88 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft

Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-8HR

Scenario: Scenario1
Run Date/Time: 8/10/2019 6:42:57 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Lookup Tables

Boundary Stage Set: 10YR-8HR

Reference ET Folder:		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	CN
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	IMP
		Roughness Set:	
		Crop Coef Set:	
		Fillable Porosity Set:	
		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	6.80 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25YR-72HR

Scenario:	Scenario1
Run Date/Time:	8/10/2019 6:46:01 PM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.5000	900.0000

Max Calculation Time: 60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 25YR-72HR
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~SFWMD-72
Rainfall Amount: 14.50 in
Storm Duration: 72.0000 hr

Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
14GW1	100YR-1HR	2.43	1.43	0.0000	2.54	0.00	0
14GW2	100YR-1HR	2.43	1.43	0.0000	2.88	0.00	0
14GW3	100YR-1HR	2.43	1.43	0.0000	0.63	0.00	0
15GW1	100YR-1HR	2.43	1.43	0.0000	1.88	0.00	0
15GW2	100YR-1HR	2.43	1.43	0.0000	1.21	0.00	0
15GW3	100YR-1HR	2.43	1.43	0.0000	0.60	0.00	0
16GW1	100YR-1HR	2.43	1.43	0.0000	0.47	0.00	0
C-4 CANAL_1	100YR-1HR	2.43	1.43	0.0000	6.88	0.36	0
C-4 CANAL_2	100YR-1HR	2.43	1.43	0.0000	22.35	0.00	0
EX14F-D	100YR-1HR	4.93	5.38	0.0012	14.14	13.92	209
EX14S01	100YR-1HR	7.48	6.60	0.0010	3.61	3.49	163
EX14S05	100YR-1HR	8.93	6.38	0.0010	6.31	6.20	288
EX14S08	100YR-1HR	13.49	5.77	0.0006	11.36	11.25	390
EX14S09	100YR-1HR	12.36	5.53	0.0010	15.32	15.21	117
EX14S12	100YR-1HR	4.93	5.38	0.0012	2.72	2.71	209
EX14S13	100YR-1HR	4.93	5.38	0.0013	3.71	1.27	209
EX14S14	100YR-1HR	22.71	21.04	0.0022	4.63	6.63	100
EX14S15	100YR-1HR	24.04	20.87	0.0065	19.75	25.58	389
EX14S17	100YR-1HR	22.83	20.19	0.0530	30.32	75.00	126
EX14S19	100YR-1HR	29.32	27.02	0.0007	6.12	6.07	100
EX14S20	100YR-1HR	31.50	26.61	0.0027	11.68	12.70	400
EX14S21	100YR-1HR	29.08	27.00	0.0007	5.65	5.60	105
EX14S28	100YR-1HR	26.73	23.11	0.0003	2.20	2.19	256
EX14S30	100YR-1HR	25.67	17.70	0.0011	7.05	7.05	172
EX14S32	100YR-1HR	22.21	17.75	0.0004	1.49	1.49	100
EX14S34	100YR-1HR	20.44	13.18	0.0011	9.79	9.79	338
EX14S37	100YR-1HR	12.79	8.88	0.0007	11.27	11.27	307
EX14S38	100YR-1HR	10.43	1.43	0.0027	2.86	6.88	100
EX14S39	100YR-1HR	11.34	6.20	0.0010	15.89	15.89	185
EX14SD2	100YR-1HR	3.78	3.50	0.0661	76.33	19.23	8115
EX15F-E	100YR-1HR	5.43	1.43	0.0000	0.00	0.00	161
EX15N-710C	100YR-1HR	5.19	5.41	0.0012	1.82	0.94	209
EX15N-710E	100YR-1HR	5.65	5.38	0.0010	2.36	2.14	209
EX15S29	100YR-1HR	25.38	19.56	0.0008	6.38	6.36	119
EX15S31	100YR-1HR	26.72	19.57	0.0005	1.41	1.42	100
EX15S33	100YR-1HR	23.72	19.11	0.0018	8.00	9.09	183
EX15S35	100YR-1HR	21.93	18.44	0.0023	10.36	9.54	152
EX15S36	100YR-1HR	19.86	16.91	0.0003	2.27	2.27	217
EX15S40	100YR-1HR	11.85	5.66	0.0005	16.03	16.02	581
EX15S41	100YR-1HR	9.24	6.06	0.0005	8.69	8.67	418
EX15S43	100YR-1HR	8.73	6.11	0.0004	4.00	3.99	131
EX15S68	100YR-1HR	7.54	4.29	0.0004	2.82	2.82	100
EX15S68A	100YR-1HR	8.20	3.37	0.0016	1.92	0.60	240
EX15S93	100YR-1HR	4.47	1.45	0.0010	10.50	10.52	100
EX16S100A	100YR-1HR	7.89	3.86	0.0009	4.79	4.70	100
EX16S101	100YR-1HR	7.85	3.82	0.0026	12.84	12.76	101

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX16S101A	100YR-1HR	8.43	3.81	0.0020	12.76	12.66	132
EX16S66	100YR-1HR	8.43	3.79	0.0025	8.69	3.29	364
EX16S66A	100YR-1HR	8.43	3.78	0.0010	1.05	0.47	240
EX16S66B	100YR-1HR	5.43	3.79	0.0029	2.22	8.69	321
EX16S95	100YR-1HR	8.50	3.80	0.0034	4.70	10.04	100
EX16S95A	100YR-1HR	8.43	3.79	0.0025	10.04	4.83	132
EX16S96	100YR-1HR	8.74	4.81	0.0010	3.45	3.45	168
EX16S99	100YR-1HR	4.43	1.50	0.0010	22.34	22.35	100
POND 14W1	100YR-1HR	5.00	3.50	0.0739	56.31	76.33	142508
POND 14W2	100YR-1HR	5.03	5.39	0.0015	78.19	23.84	6067
POND 14W3	100YR-1HR	5.30	5.38	0.0013	41.06	30.21	17131
POND 14W4	100YR-1HR	5.43	5.38	0.0025	39.61	10.77	49286
POND 15E1	100YR-1HR	8.20	3.37	0.0002	48.49	11.10	59215
POND 15E2	100YR-1HR	4.43	3.37	0.0002	16.87	2.16	35930
POND 16E1	100YR-1HR	8.43	3.78	0.0002	25.98	22.81	14528
SWALE 15E1	100YR-1HR	5.19	5.41	0.0003	13.38	10.41	9511
SWALE 15E2	100YR-1HR	5.65	5.38	0.0002	17.11	16.09	7666
SWALE 15E3	100YR-1HR	6.93	4.21	0.0001	16.90	16.90	100
14GW1	100YR-24HR	2.43	2.43	0.0001	1.92	0.00	0
14GW2	100YR-24HR	2.43	2.43	0.0001	2.18	0.00	0
14GW3	100YR-24HR	2.43	2.43	0.0001	0.47	0.00	0
15GW1	100YR-24HR	2.43	2.43	0.0001	1.34	0.00	0
15GW2	100YR-24HR	2.43	2.43	0.0001	0.86	0.00	0
15GW3	100YR-24HR	2.43	2.43	0.0001	0.45	0.00	0
16GW1	100YR-24HR	2.43	2.43	0.0001	0.37	0.00	0
C-4 CANAL_1	100YR-24HR	2.43	2.43	0.0002	14.94	0.52	0
C-4 CANAL_2	100YR-24HR	2.43	2.43	0.0002	18.09	0.01	0
EX14F-D	100YR-24HR	4.93	4.98	0.0010	3.37	3.36	209
EX14S01	100YR-24HR	7.48	5.02	0.0006	0.62	0.62	163
EX14S05	100YR-24HR	8.93	5.01	0.0006	1.10	1.10	288
EX14S08	100YR-24HR	13.49	5.00	0.0003	1.99	1.98	269
EX14S09	100YR-24HR	12.36	4.99	0.0010	2.69	2.68	114
EX14S12	100YR-24HR	4.93	4.98	0.0010	2.06	2.05	209
EX14S13	100YR-24HR	4.93	4.98	0.0010	0.97	0.96	209
EX14S14	100YR-24HR	22.71	18.35	0.0003	0.80	0.80	100
EX14S15	100YR-24HR	24.04	18.32	0.0003	3.27	3.27	375
EX14S17	100YR-24HR	22.83	18.12	0.0004	4.12	4.12	124
EX14S19	100YR-24HR	29.32	24.72	0.0003	1.05	1.05	100
EX14S20	100YR-24HR	31.50	24.62	0.0004	2.03	2.03	388
EX14S21	100YR-24HR	29.08	24.70	0.0003	0.97	0.97	104
EX14S28	100YR-24HR	26.73	22.70	0.0002	0.38	0.38	197
EX14S30	100YR-24HR	25.67	16.93	0.0011	1.22	1.27	111
EX14S32	100YR-24HR	22.21	17.33	0.0002	0.26	0.26	100
EX14S34	100YR-24HR	20.44	12.36	0.0011	1.69	1.69	276
EX14S37	100YR-24HR	12.79	8.00	0.0007	1.95	1.95	251
EX14S38	100YR-24HR	10.43	2.44	0.0027	14.84	14.94	100
EX14S39	100YR-24HR	11.34	5.11	0.0010	2.74	2.74	170

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX14SD2	100YR-24HR	3.78	3.64	0.0661	76.33	7.86	9255
EX15F-E	100YR-24HR	5.43	1.43	0.0000	0.00	0.00	161
EX15N-710C	100YR-24HR	5.19	4.77	0.0007	0.68	0.67	209
EX15N-710E	100YR-24HR	5.65	4.74	0.0002	1.53	1.52	209
EX15S29	100YR-24HR	25.38	18.51	0.0006	1.14	1.11	113
EX15S31	100YR-24HR	26.72	18.51	0.0003	0.24	0.28	100
EX15S33	100YR-24HR	23.72	18.25	0.0002	1.39	1.39	172
EX15S35	100YR-24HR	21.93	17.00	0.0002	1.66	1.66	144
EX15S36	100YR-24HR	19.86	16.49	0.0002	0.39	0.39	163
EX15S40	100YR-24HR	11.85	4.57	0.0003	2.77	2.77	523
EX15S41	100YR-24HR	9.24	4.93	0.0003	1.50	1.50	369
EX15S43	100YR-24HR	8.73	5.04	0.0002	0.69	0.69	107
EX15S68	100YR-24HR	7.54	3.83	0.0002	0.49	0.49	100
EX15S68A	100YR-24HR	8.20	3.39	0.0010	0.82	0.45	240
EX15S93	100YR-24HR	4.47	2.45	0.0010	12.87	12.88	100
EX16S100A	100YR-24HR	7.89	3.56	0.0010	0.82	1.34	100
EX16S101	100YR-24HR	7.85	3.56	0.0026	2.73	6.50	101
EX16S101A	100YR-24HR	8.43	3.56	0.0020	6.50	2.58	132
EX16S66	100YR-24HR	8.43	3.55	0.0017	5.40	1.47	364
EX16S66A	100YR-24HR	8.43	3.55	0.0010	0.39	0.37	240
EX16S66B	100YR-24HR	5.43	3.55	0.0017	1.01	5.40	321
EX16S95	100YR-24HR	8.50	3.55	0.0013	0.94	2.86	100
EX16S95A	100YR-24HR	8.43	3.55	0.0012	2.86	1.31	132
EX16S96	100YR-24HR	8.74	4.30	0.0006	0.59	0.59	130
EX16S99	100YR-24HR	4.43	2.43	0.0011	4.40	5.37	100
POND 14W1	100YR-24HR	5.00	3.63	0.0739	17.09	76.33	142516
POND 14W2	100YR-24HR	5.03	4.98	0.0001	4.98	4.72	5413
POND 14W3	100YR-24HR	5.30	4.98	0.0010	7.41	6.78	13015
POND 14W4	100YR-24HR	5.43	4.98	0.0010	6.52	4.73	44681
POND 15E1	100YR-24HR	8.20	3.39	0.0001	13.52	13.31	59289
POND 15E2	100YR-24HR	4.43	3.39	0.0001	3.19	2.59	36311
POND 16E1	100YR-24HR	8.43	3.55	0.0001	5.48	4.72	14427
SWALE 15E1	100YR-24HR	5.19	4.78	0.0000	3.25	3.16	5675
SWALE 15E2	100YR-24HR	5.65	4.75	0.0000	4.32	4.27	5360
SWALE 15E3	100YR-24HR	6.93	4.03	0.0002	3.71	3.71	100
14GW1	100YR-8HR	2.43	2.43	0.0001	2.20	0.00	0
14GW2	100YR-8HR	2.43	2.43	0.0001	2.50	0.00	0
14GW3	100YR-8HR	2.43	2.43	0.0001	0.54	0.00	0
15GW1	100YR-8HR	2.43	2.43	0.0001	1.52	0.00	0
15GW2	100YR-8HR	2.43	2.43	0.0001	0.98	0.00	0
15GW3	100YR-8HR	2.43	2.43	0.0001	0.42	0.01	0
16GW1	100YR-8HR	2.43	2.43	0.0001	0.36	0.00	0
C-4 CANAL_1	100YR-8HR	2.43	2.43	0.0002	29.71	0.53	0
C-4 CANAL_2	100YR-8HR	2.43	2.43	0.0002	45.56	0.01	0
EX14F-D	100YR-8HR	4.93	5.60	0.0010	9.75	9.70	209
EX14S01	100YR-8HR	7.48	5.99	0.0006	1.87	1.84	163
EX14S05	100YR-8HR	8.93	5.93	0.0008	3.30	3.28	288

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX14S08	100YR-8HR	13.49	5.75	0.0004	5.95	5.93	314
EX14S09	100YR-8HR	12.36	5.68	0.0010	8.04	8.01	115
EX14S12	100YR-8HR	4.93	5.60	0.0010	2.36	2.35	209
EX14S13	100YR-8HR	4.93	5.60	0.0010	1.13	1.10	209
EX14S14	100YR-8HR	22.71	19.18	0.0004	2.39	2.39	100
EX14S15	100YR-8HR	24.04	19.12	0.0003	9.81	9.81	388
EX14S17	100YR-8HR	22.83	18.81	0.0004	12.37	12.37	126
EX14S19	100YR-8HR	29.32	25.27	0.0004	3.16	3.16	100
EX14S20	100YR-8HR	31.50	25.13	0.0003	6.08	6.08	400
EX14S21	100YR-8HR	29.08	25.26	0.0004	2.92	2.92	105
EX14S28	100YR-8HR	26.73	22.91	0.0002	1.14	1.14	238
EX14S30	100YR-8HR	25.67	17.29	0.0011	3.65	3.65	168
EX14S32	100YR-8HR	22.21	17.52	0.0003	0.77	0.78	100
EX14S34	100YR-8HR	20.44	12.77	0.0011	5.07	5.07	325
EX14S37	100YR-8HR	12.79	8.44	0.0007	5.84	5.84	290
EX14S38	100YR-8HR	10.43	2.43	0.0025	29.69	29.71	100
EX14S39	100YR-8HR	11.34	5.65	0.0010	8.23	8.23	181
EX14SD2	100YR-8HR	3.78	3.81	0.0661	76.33	20.72	10343
EX15F-E	100YR-8HR	5.43	1.43	0.0000	0.00	0.00	161
EX15N-710C	100YR-8HR	5.19	5.29	0.0007	0.80	0.77	209
EX15N-710E	100YR-8HR	5.65	5.26	0.0005	1.76	1.73	209
EX15S29	100YR-8HR	25.38	18.95	0.0005	3.36	3.33	119
EX15S31	100YR-8HR	26.72	18.95	0.0004	0.73	0.76	100
EX15S33	100YR-8HR	23.72	18.68	0.0002	4.18	4.18	183
EX15S35	100YR-8HR	21.93	17.47	0.0002	4.99	4.99	152
EX15S36	100YR-8HR	19.86	16.71	0.0002	1.18	1.18	198
EX15S40	100YR-8HR	11.85	5.11	0.0004	8.31	8.31	578
EX15S41	100YR-8HR	9.24	5.42	0.0004	4.50	4.50	418
EX15S43	100YR-8HR	8.73	5.48	0.0003	2.07	2.07	130
EX15S68	100YR-8HR	7.54	4.07	0.0005	1.46	1.67	100
EX15S68A	100YR-8HR	8.20	3.53	0.0010	0.77	0.42	240
EX15S93	100YR-8HR	4.47	2.43	0.0010	33.74	33.73	100
EX16S100A	100YR-8HR	7.89	3.72	0.0010	2.47	2.54	100
EX16S101	100YR-8HR	7.85	3.71	0.0032	6.76	9.52	101
EX16S101A	100YR-8HR	8.43	3.70	0.0025	9.52	6.90	132
EX16S66	100YR-8HR	8.43	3.69	0.0021	6.11	2.45	364
EX16S66A	100YR-8HR	8.43	3.68	0.0010	0.42	0.36	240
EX16S66B	100YR-8HR	5.43	3.69	0.0020	1.43	6.11	321
EX16S95	100YR-8HR	8.50	3.69	0.0017	2.43	4.93	100
EX16S95A	100YR-8HR	8.43	3.69	0.0016	4.93	2.68	132
EX16S96	100YR-8HR	8.74	4.56	0.0006	1.78	1.78	155
EX16S99	100YR-8HR	4.43	2.43	0.0010	13.70	13.70	100
POND 14W1	100YR-8HR	5.00	3.75	0.0739	46.85	76.33	142519
POND 14W2	100YR-8HR	5.03	5.60	0.0001	14.86	13.39	6067
POND 14W3	100YR-8HR	5.30	5.60	0.0010	23.14	19.00	17434
POND 14W4	100YR-8HR	5.43	5.59	0.0011	24.56	14.67	50234
POND 15E1	100YR-8HR	8.20	3.53	0.0001	37.36	34.16	59952

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND 15E2	100YR-8HR	4.43	3.54	0.0001	13.91	5.89	37556
POND 16E1	100YR-8HR	8.43	3.68	0.0001	14.85	14.02	14485
SWALE 15E1	100YR-8HR	5.19	5.30	0.0001	9.33	8.80	9390
SWALE 15E2	100YR-8HR	5.65	5.26	0.0001	13.35	13.06	7079
SWALE 15E3	100YR-8HR	6.93	4.18	0.0001	14.01	14.01	100
14GW1	10YR-1HR	2.43	1.43	0.0000	2.23	0.00	0
14GW2	10YR-1HR	2.43	1.43	0.0000	2.53	0.00	0
14GW3	10YR-1HR	2.43	1.43	0.0000	0.55	0.00	0
15GW1	10YR-1HR	2.43	1.43	0.0000	1.71	0.00	0
15GW2	10YR-1HR	2.43	1.43	0.0000	1.10	0.00	0
15GW3	10YR-1HR	2.43	1.43	0.0000	0.45	0.00	0
16GW1	10YR-1HR	2.43	1.43	0.0000	0.45	0.00	0
C-4 CANAL_1	10YR-1HR	2.43	1.43	0.0000	0.00	0.00	0
C-4 CANAL_2	10YR-1HR	2.43	1.43	0.0000	12.02	0.23	0
EX14F-D	10YR-1HR	4.93	4.90	0.0010	8.12	7.93	209
EX14S01	10YR-1HR	7.48	5.34	0.0010	2.48	2.46	163
EX14S05	10YR-1HR	8.93	5.23	0.0010	4.40	4.38	288
EX14S08	10YR-1HR	13.49	4.97	0.0006	7.93	7.91	384
EX14S09	10YR-1HR	12.36	4.92	0.0010	10.71	10.64	117
EX14S12	10YR-1HR	4.93	4.90	0.0010	2.39	2.38	209
EX14S13	10YR-1HR	4.93	4.90	0.0011	1.64	1.12	209
EX14S14	10YR-1HR	22.71	19.61	0.0006	3.18	3.17	100
EX14S15	10YR-1HR	24.04	19.50	0.0004	13.02	13.01	388
EX14S17	10YR-1HR	22.83	19.08	0.0006	16.39	16.39	126
EX14S19	10YR-1HR	29.32	25.52	0.0007	4.21	4.20	100
EX14S20	10YR-1HR	31.50	25.34	0.0004	8.08	8.07	400
EX14S21	10YR-1HR	29.08	25.51	0.0007	3.88	3.88	105
EX14S28	10YR-1HR	26.73	22.98	0.0003	1.51	1.51	247
EX14S30	10YR-1HR	25.67	17.45	0.0011	4.84	4.84	172
EX14S32	10YR-1HR	22.21	17.55	0.0004	1.02	1.02	100
EX14S34	10YR-1HR	20.44	12.92	0.0011	6.73	6.72	334
EX14S37	10YR-1HR	12.79	8.61	0.0007	7.75	7.74	300
EX14S38	10YR-1HR	10.43	1.43	0.0000	0.00	0.00	100
EX14S39	10YR-1HR	11.34	5.86	0.0010	10.91	10.91	185
EX14SD2	10YR-1HR	3.78	3.01	0.0661	76.33	9.88	2485
EX15F-E	10YR-1HR	5.43	1.43	0.0000	0.00	0.00	161
EX15N-710C	10YR-1HR	5.19	5.06	0.0010	1.64	0.86	209
EX15N-710E	10YR-1HR	5.65	5.03	0.0010	2.19	1.95	209
EX15S29	10YR-1HR	25.38	19.14	0.0008	4.42	4.41	119
EX15S31	10YR-1HR	26.72	19.15	0.0005	0.97	0.98	100
EX15S33	10YR-1HR	23.72	18.83	0.0003	5.55	5.54	183
EX15S35	10YR-1HR	21.93	17.64	0.0003	6.62	6.62	152
EX15S36	10YR-1HR	19.86	16.79	0.0003	1.56	1.56	207
EX15S40	10YR-1HR	11.85	5.32	0.0005	11.01	11.00	580
EX15S41	10YR-1HR	9.24	5.64	0.0005	5.97	5.95	418
EX15S43	10YR-1HR	8.73	5.69	0.0005	2.75	2.74	131
EX15S68	10YR-1HR	7.54	4.15	0.0004	1.94	1.94	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX15S68A	10YR-1HR	8.20	2.88	0.0011	1.36	0.45	240
EX15S93	10YR-1HR	4.47	1.43	0.0000	0.00	0.00	100
EX16S100A	10YR-1HR	7.89	3.70	0.0010	3.29	3.19	100
EX16S101	10YR-1HR	7.85	3.69	0.0026	8.79	10.34	101
EX16S101A	10YR-1HR	8.43	3.68	0.0019	10.34	8.56	132
EX16S66	10YR-1HR	8.43	3.67	0.0019	4.94	1.81	364
EX16S66A	10YR-1HR	8.43	3.66	0.0010	0.97	0.45	240
EX16S66B	10YR-1HR	5.43	3.67	0.0021	1.70	4.94	321
EX16S95	10YR-1HR	8.50	3.67	0.0018	3.23	6.12	100
EX16S95A	10YR-1HR	8.43	3.67	0.0016	6.12	3.11	132
EX16S96	10YR-1HR	8.74	4.66	0.0010	2.37	2.37	161
EX16S99	10YR-1HR	4.43	1.45	0.0010	12.01	12.02	100
POND 14W1	10YR-1HR	5.00	3.01	0.0739	32.19	76.33	139099
POND 14W2	10YR-1HR	5.03	4.91	0.0008	18.56	15.10	5274
POND 14W3	10YR-1HR	5.30	4.91	0.0012	27.15	18.43	12580
POND 14W4	10YR-1HR	5.43	4.90	0.0021	22.64	4.65	43072
POND 15E1	10YR-1HR	8.20	2.88	0.0002	28.19	5.11	57437
POND 15E2	10YR-1HR	4.43	2.88	0.0002	8.12	0.14	26919
POND 16E1	10YR-1HR	8.43	3.66	0.0002	16.15	12.46	14476
SWALE 15E1	10YR-1HR	5.19	5.07	0.0003	7.71	5.77	8122
SWALE 15E2	10YR-1HR	5.65	5.03	0.0003	9.65	8.95	6196
SWALE 15E3	10YR-1HR	6.93	4.11	0.0002	8.53	8.53	100
14GW1	10YR-24HR	2.43	2.43	0.0001	1.63	0.00	0
14GW2	10YR-24HR	2.43	2.43	0.0001	1.85	0.00	0
14GW3	10YR-24HR	2.43	2.43	0.0001	0.40	0.00	0
15GW1	10YR-24HR	2.43	2.43	0.0001	1.21	0.00	0
15GW2	10YR-24HR	2.43	2.43	0.0001	0.78	0.00	0
15GW3	10YR-24HR	2.43	2.43	0.0001	0.45	0.00	0
16GW1	10YR-24HR	2.43	2.43	0.0001	0.35	0.00	0
C-4 CANAL_1	10YR-24HR	2.43	2.43	0.0004	15.41	0.87	0
C-4 CANAL_2	10YR-24HR	2.43	2.43	0.0004	7.50	0.01	0
EX14F-D	10YR-24HR	4.93	4.61	0.0010	2.06	2.04	209
EX14S01	10YR-24HR	7.48	4.62	0.0005	0.41	0.40	163
EX14S05	10YR-24HR	8.93	4.62	0.0008	0.72	0.70	288
EX14S08	10YR-24HR	13.49	4.62	0.0003	1.29	1.27	263
EX14S09	10YR-24HR	12.36	4.61	0.0010	1.73	1.72	114
EX14S12	10YR-24HR	4.93	4.60	0.0008	1.74	1.74	209
EX14S13	10YR-24HR	4.93	4.61	0.0009	0.82	0.82	209
EX14S14	10YR-24HR	22.71	18.19	0.0003	0.53	0.53	113
EX14S15	10YR-24HR	24.04	18.16	0.0003	2.16	2.16	355
EX14S17	10YR-24HR	22.83	17.96	0.0003	2.72	2.72	120
EX14S19	10YR-24HR	29.32	24.60	0.0003	0.70	0.70	113
EX14S20	10YR-24HR	31.50	24.49	0.0004	1.34	1.34	368
EX14S21	10YR-24HR	29.08	24.57	0.0004	0.64	0.64	113
EX14S28	10YR-24HR	26.73	22.65	0.0002	0.25	0.25	183
EX14S30	10YR-24HR	25.67	16.93	0.0055	0.80	1.26	113
EX14S32	10YR-24HR	22.21	17.30	0.0002	0.17	0.17	113

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX14S34	10YR-24HR	20.44	12.26	0.0050	1.26	1.12	255
EX14S37	10YR-24HR	12.79	7.89	0.0008	1.28	1.28	251
EX14S38	10YR-24HR	10.43	2.45	0.0234	5.11	15.41	113
EX14S39	10YR-24HR	11.34	4.98	0.0010	1.81	1.81	164
EX14SD2	10YR-24HR	3.78	3.53	0.1334	71.88	2.23	8368
EX15F-E	10YR-24HR	5.43	1.43	0.0000	0.00	0.00	161
EX15N-710C	10YR-24HR	5.19	4.52	0.0003	0.62	0.61	209
EX15N-710E	10YR-24HR	5.65	4.49	0.0005	1.39	1.38	209
EX15S29	10YR-24HR	25.38	18.42	0.0005	0.76	0.73	113
EX15S31	10YR-24HR	26.72	18.42	0.0004	0.16	0.19	113
EX15S33	10YR-24HR	23.72	18.15	0.0002	0.92	0.92	163
EX15S35	10YR-24HR	21.93	16.89	0.0002	1.10	1.10	137
EX15S36	10YR-24HR	19.86	16.44	0.0002	0.26	0.26	150
EX15S40	10YR-24HR	11.85	4.44	0.0004	1.83	1.83	487
EX15S41	10YR-24HR	9.24	4.83	0.0003	0.99	0.99	342
EX15S43	10YR-24HR	8.73	4.96	0.0002	0.45	0.45	113
EX15S68	10YR-24HR	7.54	3.77	0.0002	0.32	0.32	113
EX15S68A	10YR-24HR	8.20	3.30	0.0010	0.82	0.45	240
EX15S93	10YR-24HR	4.47	2.43	0.0015	4.13	5.11	113
EX16S100A	10YR-24HR	7.89	3.53	0.0027	0.55	1.96	113
EX16S101	10YR-24HR	7.85	3.53	0.0094	2.88	6.13	113
EX16S101A	10YR-24HR	8.43	3.53	0.0072	6.13	3.30	132
EX16S66	10YR-24HR	8.43	3.55	0.0338	17.31	11.66	364
EX16S66A	10YR-24HR	8.43	3.51	0.0010	0.38	0.35	240
EX16S66B	10YR-24HR	5.43	3.54	0.0304	11.96	17.31	321
EX16S95	10YR-24HR	8.50	3.52	0.0032	0.54	2.15	113
EX16S95A	10YR-24HR	8.43	3.52	0.0037	2.15	1.36	132
EX16S96	10YR-24HR	8.74	4.23	0.0005	0.39	0.39	121
EX16S99	10YR-24HR	4.43	2.43	0.0017	2.75	4.05	113
POND 14W1	10YR-24HR	5.00	3.53	0.2747	7.67	71.88	142512
POND 14W2	10YR-24HR	5.03	4.61	0.0001	3.25	2.87	4939
POND 14W3	10YR-24HR	5.30	4.61	0.0010	4.39	3.42	12023
POND 14W4	10YR-24HR	5.43	4.61	0.0024	2.47	1.05	33459
POND 15E1	10YR-24HR	8.20	3.30	0.0001	5.95	4.48	58984
POND 15E2	10YR-24HR	4.43	3.31	0.0001	2.38	1.15	34733
POND 16E1	10YR-24HR	8.43	3.52	0.0002	12.74	9.48	14413
SWALE 15E1	10YR-24HR	5.19	4.52	0.0000	1.96	1.86	4420
SWALE 15E2	10YR-24HR	5.65	4.50	0.0000	2.39	2.30	4918
SWALE 15E3	10YR-24HR	6.93	3.99	0.0001	1.47	1.47	113
14GW1	10YR-8HR	2.43	2.43	0.0001	1.91	0.00	0
14GW2	10YR-8HR	2.43	2.43	0.0001	2.16	0.00	0
14GW3	10YR-8HR	2.43	2.43	0.0001	0.47	0.00	0
15GW1	10YR-8HR	2.43	2.43	0.0001	1.40	0.00	0
15GW2	10YR-8HR	2.43	2.43	0.0001	0.90	0.00	0
15GW3	10YR-8HR	2.43	2.43	0.0001	0.42	0.01	0
16GW1	10YR-8HR	2.43	2.43	0.0001	0.34	0.00	0
C-4 CANAL_1	10YR-8HR	2.43	2.43	0.0003	12.29	0.46	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
C-4 CANAL_2	10YR-8HR	2.43	2.43	0.0003	15.59	0.01	0
EX14F-D	10YR-8HR	4.93	5.15	0.0010	6.38	6.33	209
EX14S01	10YR-8HR	7.48	5.28	0.0006	1.32	1.30	163
EX14S05	10YR-8HR	8.93	5.25	0.0007	2.33	2.30	288
EX14S08	10YR-8HR	13.49	5.18	0.0003	4.20	4.17	304
EX14S09	10YR-8HR	12.36	5.17	0.0010	5.67	5.64	115
EX14S12	10YR-8HR	4.93	5.15	0.0010	2.04	2.03	209
EX14S13	10YR-8HR	4.93	5.15	0.0010	0.98	0.95	209
EX14S14	10YR-8HR	22.71	18.83	0.0003	1.69	1.69	100
EX14S15	10YR-8HR	24.04	18.80	0.0003	6.94	6.94	387
EX14S17	10YR-8HR	22.83	18.55	0.0003	8.75	8.75	126
EX14S19	10YR-8HR	29.32	25.05	0.0003	2.24	2.24	100
EX14S20	10YR-8HR	31.50	24.94	0.0004	4.30	4.30	400
EX14S21	10YR-8HR	29.08	25.04	0.0003	2.07	2.07	105
EX14S28	10YR-8HR	26.73	22.83	0.0001	0.80	0.80	225
EX14S30	10YR-8HR	25.67	17.15	0.0011	2.58	2.58	162
EX14S32	10YR-8HR	22.21	17.43	0.0003	0.55	0.55	100
EX14S34	10YR-8HR	20.44	12.62	0.0011	3.59	3.59	311
EX14S37	10YR-8HR	12.79	8.28	0.0007	4.13	4.13	277
EX14S38	10YR-8HR	10.43	2.43	0.0027	10.04	12.29	100
EX14S39	10YR-8HR	11.34	5.44	0.0010	5.82	5.82	175
EX14SD2	10YR-8HR	3.78	3.59	0.0661	76.33	11.64	8864
EX15F-E	10YR-8HR	5.43	1.43	0.0000	0.00	0.00	161
EX15N-710C	10YR-8HR	5.19	5.04	0.0007	0.74	0.70	209
EX15N-710E	10YR-8HR	5.65	5.01	0.0004	1.61	1.59	209
EX15S29	10YR-8HR	25.38	18.76	0.0005	2.39	2.35	119
EX15S31	10YR-8HR	26.72	18.77	0.0003	0.52	0.59	100
EX15S33	10YR-8HR	23.72	18.50	0.0002	2.95	2.95	183
EX15S35	10YR-8HR	21.93	17.28	0.0002	3.53	3.53	152
EX15S36	10YR-8HR	19.86	16.63	0.0002	0.83	0.83	187
EX15S40	10YR-8HR	11.85	4.90	0.0003	5.88	5.88	569
EX15S41	10YR-8HR	9.24	5.22	0.0003	3.18	3.18	411
EX15S43	10YR-8HR	8.73	5.29	0.0002	1.46	1.46	124
EX15S68	10YR-8HR	7.54	3.98	0.0002	1.03	1.03	100
EX15S68A	10YR-8HR	8.20	3.37	0.0010	0.74	0.42	240
EX15S93	10YR-8HR	4.47	2.43	0.0010	10.54	10.55	100
EX16S100A	10YR-8HR	7.89	3.65	0.0009	1.75	1.96	100
EX16S101	10YR-8HR	7.85	3.64	0.0040	4.94	9.29	101
EX16S101A	10YR-8HR	8.43	3.64	0.0031	9.29	5.11	132
EX16S66	10YR-8HR	8.43	3.63	0.0017	4.55	1.52	364
EX16S66A	10YR-8HR	8.43	3.63	0.0010	0.43	0.34	240
EX16S66B	10YR-8HR	5.43	3.63	0.0018	0.96	4.55	321
EX16S95	10YR-8HR	8.50	3.63	0.0021	1.72	6.06	100
EX16S95A	10YR-8HR	8.43	3.63	0.0019	6.06	1.96	132
EX16S96	10YR-8HR	8.74	4.46	0.0006	1.26	1.26	148
EX16S99	10YR-8HR	4.43	2.43	0.0010	9.42	9.43	100
POND 14W1	10YR-8HR	5.00	3.59	0.0739	28.64	76.33	142515

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND 14W2	10YR-8HR	5.03	5.16	0.0002	10.39	9.12	5751
POND 14W3	10YR-8HR	5.30	5.15	0.0010	15.69	12.66	14615
POND 14W4	10YR-8HR	5.43	5.15	0.0010	15.45	7.14	46679
POND 15E1	10YR-8HR	8.20	3.37	0.0001	22.10	10.87	59218
POND 15E2	10YR-8HR	4.43	3.37	0.0001	8.73	2.21	35939
POND 16E1	10YR-8HR	8.43	3.63	0.0001	10.68	9.72	14461
SWALE 15E1	10YR-8HR	5.19	5.05	0.0001	6.02	5.56	7936
SWALE 15E2	10YR-8HR	5.65	5.01	0.0001	8.42	8.17	6126
SWALE 15E3	10YR-8HR	6.93	4.10	0.0001	8.23	8.23	100
14GW1	25YR-72HR	2.43	2.43	0.0001	2.22	0.00	0
14GW2	25YR-72HR	2.43	2.43	0.0001	2.51	0.00	0
14GW3	25YR-72HR	2.43	2.43	0.0001	0.55	0.00	0
15GW1	25YR-72HR	2.43	2.43	0.0001	1.64	0.00	0
15GW2	25YR-72HR	2.43	2.43	0.0001	1.18	0.00	0
15GW3	25YR-72HR	2.43	2.43	0.0001	0.46	0.00	0
16GW1	25YR-72HR	2.43	2.43	0.0001	0.33	0.00	0
C-4 CANAL_1	25YR-72HR	2.43	2.43	0.0001	54.09	0.78	0
C-4 CANAL_2	25YR-72HR	2.43	2.43	0.0001	83.12	0.00	0
EX14F-D	25YR-72HR	4.93	5.67	0.0008	16.49	16.36	209
EX14S01	25YR-72HR	7.48	6.58	0.0009	2.95	2.86	163
EX14S05	25YR-72HR	8.93	6.43	0.0008	5.16	5.09	288
EX14S08	25YR-72HR	13.49	5.98	0.0007	9.30	9.24	262
EX14S09	25YR-72HR	12.36	5.78	0.0010	12.56	12.49	114
EX14S12	25YR-72HR	4.93	5.67	0.0006	2.37	2.36	209
EX14S13	25YR-72HR	4.93	5.67	0.0006	1.16	1.11	209
EX14S14	25YR-72HR	22.71	19.88	0.0009	3.78	3.78	113
EX14S15	25YR-72HR	24.04	19.74	0.0037	17.62	15.32	389
EX14S17	25YR-72HR	22.83	19.16	0.0047	19.34	18.33	126
EX14S19	25YR-72HR	29.32	25.70	0.0008	5.00	4.96	113
EX14S20	25YR-72HR	31.50	25.44	0.0024	9.54	11.84	400
EX14S21	25YR-72HR	29.08	25.69	0.0007	4.62	4.58	113
EX14S28	25YR-72HR	26.73	23.04	0.0002	1.79	1.79	252
EX14S30	25YR-72HR	25.67	17.55	0.0055	5.76	5.76	172
EX14S32	25YR-72HR	22.21	17.62	0.0006	1.22	1.22	113
EX14S34	25YR-72HR	20.44	13.03	0.0050	8.00	7.99	337
EX14S37	25YR-72HR	12.79	8.74	0.0008	9.21	9.21	304
EX14S38	25YR-72HR	10.43	2.53	0.0311	54.08	54.09	113
EX14S39	25YR-72HR	11.34	6.01	0.0010	12.97	12.97	185
EX14SD2	25YR-72HR	3.78	4.02	0.1334	71.88	25.66	10343
EX15F-E	25YR-72HR	5.43	2.65	0.0013	0.40	0.14	161
EX15N-710C	25YR-72HR	5.19	5.58	0.0006	0.89	0.82	209
EX15N-710E	25YR-72HR	5.65	5.55	0.0004	1.91	1.87	209
EX15S29	25YR-72HR	25.38	19.25	0.0014	5.25	5.25	119
EX15S31	25YR-72HR	26.72	19.25	0.0009	1.15	1.17	113
EX15S33	25YR-72HR	23.72	18.90	0.0087	6.59	8.97	183
EX15S35	25YR-72HR	21.93	17.83	0.0103	10.19	8.48	152
EX15S36	25YR-72HR	19.86	16.84	0.0004	1.86	1.86	212

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX15S40	25YR-72HR	11.85	5.47	0.0006	13.09	13.08	580
EX15S41	25YR-72HR	9.24	5.81	0.0005	7.10	7.08	418
EX15S43	25YR-72HR	8.73	5.86	0.0004	3.27	3.26	131
EX15S68	25YR-72HR	7.54	4.16	0.0032	2.31	2.74	113
EX15S68A	25YR-72HR	8.20	3.69	0.0010	0.71	0.46	240
EX15S93	25YR-72HR	4.47	2.99	0.0020	62.63	62.64	113
EX16S100A	25YR-72HR	7.89	3.84	0.0060	3.91	3.92	113
EX16S101	25YR-72HR	7.85	3.81	0.0158	10.58	11.56	113
EX16S101A	25YR-72HR	8.43	3.81	0.0098	11.56	10.58	132
EX16S66	25YR-72HR	8.43	3.77	0.0448	23.27	18.86	364
EX16S66A	25YR-72HR	8.43	3.77	0.0009	0.43	0.33	240
EX16S66B	25YR-72HR	5.43	3.79	0.0405	19.49	23.27	321
EX16S95	25YR-72HR	8.50	3.79	0.0159	3.84	11.07	113
EX16S95A	25YR-72HR	8.43	3.79	0.0112	11.07	5.39	132
EX16S96	25YR-72HR	8.74	4.73	0.0004	2.82	2.82	165
EX16S99	25YR-72HR	4.43	2.49	0.0038	21.89	21.89	113
POND 14W1	25YR-72HR	5.00	3.91	0.2747	70.22	71.88	142521
POND 14W2	25YR-72HR	5.03	5.67	0.0005	22.53	20.04	6068
POND 14W3	25YR-72HR	5.30	5.67	0.0010	36.16	26.67	17812
POND 14W4	25YR-72HR	5.43	5.66	0.0019	38.75	16.01	50652
POND 15E1	25YR-72HR	8.20	3.69	0.0001	66.94	63.10	60725
POND 15E2	25YR-72HR	4.43	3.69	0.0001	13.13	11.28	38331
POND 16E1	25YR-72HR	8.43	3.78	0.0003	23.82	22.20	14526
SWALE 15E1	25YR-72HR	5.19	5.59	0.0004	16.05	13.62	9807
SWALE 15E2	25YR-72HR	5.65	5.55	0.0004	21.18	20.30	7999
SWALE 15E3	25YR-72HR	6.93	4.27	0.0007	22.79	22.76	3796

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CH14+SEC1	100YR-1HR	21.53	-0.50	-0.32	0.64	0.56	0.55
CH14+SEC2	100YR-1HR	27.66	-1.32	-0.12	-0.48	1.86	1.08
CH15+SEC1	100YR-1HR	9.46	-0.62	-0.01	-0.49	0.53	0.37
CH15+SEC2	100YR-1HR	13.94	0.00	0.01	0.78	3.18	1.98
EX14F-D_WEIR	100YR-1HR	1.84	-12.24	-0.01	-1.09	-1.09	-1.09
EX14FD_14GW2	100YR-1HR	1.44	0.00	0.00	0.00	0.00	0.00
EX14FD_14GW3	100YR-1HR	0.63	0.00	0.00	0.00	0.00	0.00
EX14S01_S05	100YR-1HR	3.49	0.00	-0.01	1.97	1.97	1.97
EX14S05_S08	100YR-1HR	6.20	-0.23	-0.02	3.51	3.51	3.51
EX14S08_S09	100YR-1HR	11.25	0.00	-0.07	3.77	4.58	4.03
EX14S09_PND14W3	100YR-1HR	15.21	0.00	0.04	4.84	5.64	4.84
EX14S12_14GW1	100YR-1HR	1.27	0.00	0.00	0.00	0.00	0.00
EX14S12_14GW2	100YR-1HR	1.44	0.00	0.00	0.00	0.00	0.00
EX14S12_WEIR	100YR-1HR	2.72	0.00	-0.01	0.90	0.90	0.90
EX14S13_14GW1	100YR-1HR	1.27	0.00	0.00	0.00	0.00	0.00
EX14S13_WEIR	100YR-1HR	3.71	0.00	0.59	0.85	0.85	0.85
EX14S14_S15	100YR-1HR	6.63	0.00	0.09	3.75	3.75	3.75
EX14S15_S17	100YR-1HR	25.58	0.00	0.64	8.14	8.35	8.25
EX14S17_PND14W2	100YR-1HR	75.00	0.00	53.34	23.87	101.82	59.38
EX14S19_S20	100YR-1HR	6.07	0.00	0.02	3.44	3.44	3.44
EX14S20_S15	100YR-1HR	12.70	0.00	-3.91	7.79	10.66	9.22
EX14S21_S20	100YR-1HR	5.60	0.00	0.02	3.17	3.17	3.17
EX14S28_S30	100YR-1HR	2.19	0.00	0.01	2.80	3.68	3.24
EX14S30_S34	100YR-1HR	7.05	0.00	0.07	5.46	9.85	7.65
EX14S32_S30	100YR-1HR	1.49	0.00	0.08	2.82	2.65	2.63
EX14S34_S37	100YR-1HR	9.79	0.00	-0.07	5.41	9.82	7.61
EX14S37_S39	100YR-1HR	11.27	0.00	0.07	5.70	11.42	8.56
EX14S38_C-4C1	100YR-1HR	6.88	-0.36	6.87	0.24	0.24	0.24
EX14S38_WEIR	100YR-1HR	2.86	0.00	0.00	0.73	0.73	0.73
EX14S39_PND14W1	100YR-1HR	15.89	0.00	-0.13	6.57	10.64	8.61
EX14SD2_PND14W1	100YR-1HR	19.23	-76.33	8.20	-6.07	-6.07	-6.07
EX14SD2_WE	100YR-1HR	10.77	0.00	0.00	2.73	2.73	2.73

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
IR							
EX15F-E_WEIR	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX15FE_15GW2	100YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX15N710C_15GW1	100YR-1HR	0.94	0.00	0.00	0.00	0.00	0.00
EX15N710C_WEIR	100YR-1HR	1.82	0.00	-0.01	1.00	1.00	1.00
EX15N710E_15GW1	100YR-1HR	0.93	0.00	0.00	0.00	0.00	0.00
EX15N710E_15GW2	100YR-1HR	1.21	0.00	0.00	0.00	0.00	0.00
EX15N710E_WEIR	100YR-1HR	2.36	0.00	-0.01	0.98	0.98	0.98
EX15S29_S33	100YR-1HR	6.36	0.00	0.01	3.72	4.51	4.11
EX15S31_S29	100YR-1HR	1.42	-0.13	0.01	0.80	-1.52	-0.98
EX15S33_S35	100YR-1HR	9.09	0.00	2.14	6.17	5.58	5.87
EX15S35_PND15E1	100YR-1HR	9.54	0.00	0.08	5.99	21.46	13.43
EX15S36_S40	100YR-1HR	2.27	0.00	0.02	3.69	7.44	5.56
EX15S40_PND15E1	100YR-1HR	16.02	0.00	0.13	6.60	9.15	7.88
EX15S41_S40	100YR-1HR	8.67	0.00	0.00	3.17	2.94	3.06
EX15S43_S41	100YR-1HR	3.99	0.00	0.00	1.97	1.46	1.69
EX15S68A_15GW3	100YR-1HR	0.60	0.00	0.00	0.00	0.00	0.00
EX15S68A_WEIR	100YR-1HR	1.92	0.00	-0.68	0.91	0.91	0.91
EX15S68_PND15E1	100YR-1HR	2.82	0.00	-0.02	3.94	7.48	5.71
EX15S93_C-4C2	100YR-1HR	10.52	0.00	3.38	0.74	0.74	0.74
EX15S93_WEIR	100YR-1HR	10.50	0.00	0.00	1.05	1.05	1.05
EX16S100A_S101	100YR-1HR	4.70	-0.07	-0.96	1.50	1.50	1.50
EX16S101A_WEIR	100YR-1HR	12.66	0.00	1.03	1.23	1.23	1.23
EX16S101_S101A	100YR-1HR	12.76	-0.07	7.48	1.02	1.02	1.02
EX16S66A_16GW1	100YR-1HR	0.47	0.00	0.00	0.00	0.00	0.00
EX16S66A_WEIR	100YR-1HR	1.05	0.00	0.00	0.75	0.75	0.75
EX16S66B_S66	100YR-1HR	8.69	-1.25	-8.69	0.21	0.21	0.21

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX16S66_WEIR	100YR-1HR	3.29	-3.12	-1.98	-1.01	-1.01	-1.01
EX16S95A_WEIR	100YR-1HR	4.83	-0.60	1.02	0.72	0.72	0.72
EX16S95_S95A	100YR-1HR	10.04	-0.02	-10.04	0.80	0.80	0.80
EX16S96_S95	100YR-1HR	3.45	0.00	0.00	2.58	3.91	3.24
EX16S99_C-4C2	100YR-1HR	22.35	0.00	1.50	1.58	1.58	1.58
EX16S99_WEIR	100YR-1HR	22.34	0.00	0.01	1.66	1.66	1.66
PND15E2_PND15E1	100YR-1HR	2.16	-9.25	0.19	-0.23	-0.23	-0.23
POND15E1_WEIR	100YR-1HR	16.90	0.00	0.00	1.48	1.48	1.48
CH14+SEC1	100YR-24HR	3.75	-0.21	0.45	0.23	0.38	0.29
CH14+SEC2	100YR-24HR	4.73	-0.56	-0.17	0.07	1.24	0.64
CH15+SEC1	100YR-24HR	2.49	-0.15	0.00	-0.46	0.73	0.41
CH15+SEC2	100YR-24HR	2.74	0.00	0.01	0.39	1.91	1.15
EX14F-D_WEIR	100YR-24HR	0.85	-1.80	0.00	0.54	0.54	0.54
EX14FD_14GW2	100YR-24HR	1.09	0.00	0.00	0.00	0.00	0.00
EX14FD_14GW3	100YR-24HR	0.47	0.00	0.00	0.00	0.00	0.00
EX14S01_S05	100YR-24HR	0.62	0.00	0.04	1.12	1.27	1.02
EX14S05_S08	100YR-24HR	1.10	0.00	0.02	1.37	1.28	1.32
EX14S08_S09	100YR-24HR	1.98	0.00	-0.08	1.95	2.62	2.21
EX14S09_PND14W3	100YR-24HR	2.68	0.00	0.10	1.31	2.55	1.88
EX14S12_14GW1	100YR-24HR	0.96	0.00	0.00	0.00	0.00	0.00
EX14S12_14GW2	100YR-24HR	1.09	0.00	0.00	0.00	0.00	0.00
EX14S12_WEIR	100YR-24HR	2.06	0.00	0.00	0.66	0.66	0.66
EX14S13_14GW1	100YR-24HR	0.96	0.00	0.00	0.00	0.00	0.00
EX14S13_WEIR	100YR-24HR	0.97	0.00	-0.01	0.35	0.35	0.35
EX14S14_S15	100YR-24HR	0.80	0.00	0.00	1.04	0.91	0.97
EX14S15_S17	100YR-24HR	3.27	0.00	0.00	3.07	2.59	2.83
EX14S17_PND14W2	100YR-24HR	4.12	0.00	0.03	4.11	26.90	15.50
EX14S19_S20	100YR-24HR	1.05	0.00	0.00	1.85	1.48	1.66
EX14S20_S15	100YR-24HR	2.03	0.00	-0.02	3.57	5.56	4.56
EX14S21_S20	100YR-24HR	0.97	0.00	0.00	1.41	1.36	1.39

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX14S28_S30	100YR-24HR	0.38	0.00	0.00	1.74	2.22	1.98
EX14S30_S34	100YR-24HR	1.27	0.00	0.02	3.12	6.05	4.58
EX14S32_S30	100YR-24HR	0.26	0.00	0.00	1.78	2.03	1.91
EX14S34_S37	100YR-24HR	1.69	0.00	0.03	3.19	5.90	4.55
EX14S37_S39	100YR-24HR	1.95	0.00	0.03	3.32	6.86	5.09
EX14S38_C-4 C1	100YR-24HR	14.94	-0.52	-7.88	0.52	0.52	0.52
EX14S38_WE IR	100YR-24HR	14.84	0.00	0.00	1.27	1.27	1.27
EX14S39_PN D14W1	100YR-24HR	2.74	0.00	0.03	3.65	6.50	5.07
EX14SD2_PN D14W1	100YR-24HR	7.86	-76.33	8.20	-6.07	-6.07	-6.07
EX14SD2_WE IR	100YR-24HR	4.73	0.00	0.00	2.07	2.07	2.07
EX15F-E_WEI R	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX15FE_15G W2	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX15N710C_1 5GW1	100YR-24HR	0.67	0.00	0.00	0.00	0.00	0.00
EX15N710C_ WEIR	100YR-24HR	0.68	0.00	0.00	0.69	0.69	0.69
EX15N710E_1 5GW1	100YR-24HR	0.67	0.00	0.00	0.00	0.00	0.00
EX15N710E_1 5GW2	100YR-24HR	0.86	0.00	0.00	0.00	0.00	0.00
EX15N710E_ WEIR	100YR-24HR	1.53	0.00	0.00	0.83	0.83	0.83
EX15S29_S33	100YR-24HR	1.11	0.00	0.00	2.64	2.02	2.33
EX15S31_S29	100YR-24HR	0.28	-0.01	0.04	0.44	0.36	0.40
EX15S33_S35	100YR-24HR	1.39	0.00	-0.02	3.20	2.24	2.72
EX15S35_PN D15E1	100YR-24HR	1.66	0.00	0.02	3.37	12.86	8.11
EX15S36_S40	100YR-24HR	0.39	0.00	-0.01	2.27	4.41	3.34
EX15S40_PN D15E1	100YR-24HR	2.77	0.00	0.03	3.66	4.86	4.02
EX15S41_S40	100YR-24HR	1.50	0.00	0.00	2.44	1.57	2.00
EX15S43_S41	100YR-24HR	0.69	0.00	0.00	1.78	1.12	1.45
EX15S68A_15 GW3	100YR-24HR	0.45	0.00	0.00	0.00	0.00	0.00
EX15S68A_W EIR	100YR-24HR	0.82	0.00	-0.76	0.27	0.27	0.27
EX15S68_PN D15E1	100YR-24HR	0.49	0.00	-0.01	2.40	3.77	2.92
EX15S93_C-4 C2	100YR-24HR	12.88	0.00	-3.74	0.91	0.91	0.91

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX15S93_WEIR	100YR-24HR	12.87	0.00	0.00	1.12	1.12	1.12
EX16S100A_S101	100YR-24HR	1.34	-0.12	1.05	0.43	0.43	0.43
EX16S101A_WEIR	100YR-24HR	2.58	-0.01	1.03	0.52	0.52	0.52
EX16S101_S101A	100YR-24HR	6.50	-0.76	-6.50	0.52	0.52	0.52
EX16S66A_16GW1	100YR-24HR	0.37	0.00	0.00	0.00	0.00	0.00
EX16S66A_WEIR	100YR-24HR	0.39	0.00	-0.25	0.21	0.21	0.21
EX16S66B_S66	100YR-24HR	5.40	-0.61	-5.40	0.13	0.13	0.13
EX16S66_WEIR	100YR-24HR	1.04	-0.41	0.88	0.05	0.05	0.05
EX16S95A_WEIR	100YR-24HR	1.31	-0.11	-0.80	0.21	0.21	0.21
EX16S95_S95A	100YR-24HR	2.86	-0.54	2.86	0.23	0.23	0.23
EX16S96_S95	100YR-24HR	0.59	0.00	0.00	1.48	2.45	1.96
EX16S99_C-4C2	100YR-24HR	5.37	0.00	3.69	0.38	0.38	0.38
EX16S99_WEIR	100YR-24HR	4.40	0.00	0.00	0.97	0.97	0.97
PND15E2_PND15E1	100YR-24HR	2.59	-1.36	0.73	0.06	0.06	0.06
POND15E1_WEIR	100YR-24HR	3.71	0.00	0.00	0.89	0.89	0.89
CH14+SEC1	100YR-8HR	12.26	-0.33	-0.46	0.31	0.44	0.34
CH14+SEC2	100YR-8HR	16.65	-0.89	-0.12	0.19	1.72	0.90
CH15+SEC1	100YR-8HR	8.03	-0.25	-0.01	-0.47	0.60	0.36
CH15+SEC2	100YR-8HR	11.33	0.00	0.01	0.73	2.98	1.86
EX14F-D_WEIR	100YR-8HR	1.07	-7.96	-0.01	0.56	0.56	0.56
EX14FD_14GW2	100YR-8HR	1.25	0.00	0.00	0.00	0.00	0.00
EX14FD_14GW3	100YR-8HR	0.54	0.00	0.00	0.00	0.00	0.00
EX14S01_S05	100YR-8HR	1.84	0.00	0.02	1.38	1.63	1.25
EX14S05_S08	100YR-8HR	3.28	-0.03	-0.02	1.85	1.85	1.85
EX14S08_S09	100YR-8HR	5.93	0.00	0.13	2.43	3.35	2.83
EX14S09_PND14W3	100YR-8HR	8.01	0.00	-0.12	2.55	3.16	2.55
EX14S12_14GW1	100YR-8HR	1.10	0.00	0.00	0.00	0.00	0.00
EX14S12_14G	100YR-8HR	1.25	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W2							
EX14S12_WEIR	100YR-8HR	2.36	0.00	0.00	0.71	0.71	0.71
EX14S13_14GW1	100YR-8HR	1.10	0.00	0.00	0.00	0.00	0.00
EX14S13_WEIR	100YR-8HR	1.13	0.00	-0.01	0.43	0.43	0.43
EX14S14_S15	100YR-8HR	2.39	0.00	0.00	1.35	1.35	1.35
EX14S15_S17	100YR-8HR	9.81	0.00	0.00	3.78	3.81	3.80
EX14S17_PND14W2	100YR-8HR	12.37	0.00	0.07	5.91	37.38	21.64
EX14S19_S20	100YR-8HR	3.16	0.00	0.00	2.30	2.17	2.24
EX14S20_S15	100YR-8HR	6.08	0.00	-0.07	5.14	7.53	6.33
EX14S21_S20	100YR-8HR	2.92	0.00	0.00	1.96	2.01	1.98
EX14S28_S30	100YR-8HR	1.14	0.00	-0.01	2.36	3.05	2.70
EX14S30_S34	100YR-8HR	3.65	0.00	-0.02	4.28	8.21	6.24
EX14S32_S30	100YR-8HR	0.78	0.00	0.05	2.92	2.66	2.77
EX14S34_S37	100YR-8HR	5.07	0.00	0.03	4.37	8.15	6.26
EX14S37_S39	100YR-8HR	5.84	0.00	0.03	4.56	9.48	7.02
EX14S38_C-4C1	100YR-8HR	29.71	-0.53	-7.73	1.03	1.03	1.03
EX14S38_WEIR	100YR-8HR	29.69	0.00	0.01	1.59	1.59	1.59
EX14S39_PND14W1	100YR-8HR	8.23	0.00	-0.07	5.10	8.91	7.01
EX14SD2_PND14W1	100YR-8HR	20.72	-76.33	8.20	-6.07	-6.07	-6.07
EX14SD2_WEIR	100YR-8HR	14.67	0.00	0.00	3.02	3.02	3.02
EX15F-E_WEIR	100YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX15FE_15GW2	100YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX15N710C_15GW1	100YR-8HR	0.77	0.00	0.00	0.00	0.00	0.00
EX15N710C_WEIR	100YR-8HR	0.80	0.00	0.00	0.72	0.72	0.72
EX15N710E_15GW1	100YR-8HR	0.76	0.00	0.00	0.00	0.00	0.00
EX15N710E_15GW2	100YR-8HR	0.98	0.00	0.00	0.00	0.00	0.00
EX15N710E_WEIR	100YR-8HR	1.76	0.00	0.00	0.86	0.86	0.86
EX15S29_S33	100YR-8HR	3.33	0.00	0.00	3.15	2.87	3.01
EX15S31_S29	100YR-8HR	0.76	-0.02	-0.04	0.59	0.54	0.57
EX15S33_S35	100YR-8HR	4.18	0.00	-0.07	4.48	3.23	3.84
EX15S35_PN	100YR-8HR	4.99	0.00	-0.07	4.76	17.81	11.28

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D15E1							
EX15S36_S40	100YR-8HR	1.18	0.00	0.02	3.05	6.13	4.59
EX15S40_PND15E1	100YR-8HR	8.31	0.00	-0.07	5.11	7.72	6.42
EX15S41_S40	100YR-8HR	4.50	0.00	0.00	2.90	2.22	2.56
EX15S43_S41	100YR-8HR	2.07	0.00	0.00	1.89	1.33	1.59
EX15S68A_15GW3	100YR-8HR	0.42	-0.01	0.00	0.00	0.00	0.00
EX15S68A_WEIR	100YR-8HR	0.77	0.00	-0.75	0.67	0.67	0.67
EX15S68_PND15E1	100YR-8HR	1.67	0.00	0.23	3.37	6.09	4.65
EX15S93_C-4C2	100YR-8HR	33.73	0.00	-3.74	2.39	2.39	2.39
EX15S93_WEIR	100YR-8HR	33.74	0.00	0.00	1.54	1.54	1.54
EX16S100A_S101	100YR-8HR	2.54	-0.11	0.98	0.81	0.81	0.81
EX16S101A_WEIR	100YR-8HR	6.90	-0.01	1.04	0.73	0.73	0.73
EX16S101_S101A	100YR-8HR	9.52	-0.50	-7.74	0.76	0.76	0.76
EX16S66A_16GW1	100YR-8HR	0.36	0.00	0.00	0.00	0.00	0.00
EX16S66A_WEIR	100YR-8HR	0.42	0.00	-0.27	0.22	0.22	0.22
EX16S66B_S66	100YR-8HR	6.11	-0.51	-6.11	0.15	0.15	0.15
EX16S66_WEIR	100YR-8HR	2.45	-1.08	-1.85	-0.57	-0.57	-0.57
EX16S95A_WEIR	100YR-8HR	2.68	-0.27	0.97	0.42	0.42	0.42
EX16S95_S95A	100YR-8HR	4.93	-0.12	4.56	0.39	0.39	0.39
EX16S96_S95	100YR-8HR	1.78	0.00	0.00	2.10	3.22	2.66
EX16S99_C-4C2	100YR-8HR	13.70	0.00	-3.19	0.97	0.97	0.97
EX16S99_WEIR	100YR-8HR	13.70	0.00	0.00	1.41	1.41	1.41
PND15E2_PND15E1	100YR-8HR	5.89	-7.37	0.22	-0.18	-0.18	-0.18
POND15E1_WEIR	100YR-8HR	14.01	0.00	0.00	1.39	1.39	1.39
CH14+SEC1	10YR-1HR	13.99	-0.54	-0.25	0.56	0.54	0.51
CH14+SEC2	10YR-1HR	16.23	-1.32	-0.25	-0.39	1.81	1.02
CH15+SEC1	10YR-1HR	4.91	-0.58	0.01	-0.48	0.43	-0.33
CH15+SEC2	10YR-1HR	7.00	0.00	0.01	0.61	2.57	1.59

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX14F-D_WEIR	10YR-1HR	1.67	-6.44	-0.01	-0.97	-0.97	-0.97
EX14FD_14GW2	10YR-1HR	1.27	0.00	0.00	0.00	0.00	0.00
EX14FD_14GW3	10YR-1HR	0.55	0.00	0.00	0.00	0.00	0.00
EX14S01_S05	10YR-1HR	2.46	0.00	-0.01	1.49	1.39	1.39
EX14S05_S08	10YR-1HR	4.38	-0.20	0.01	2.48	2.60	2.54
EX14S08_S09	10YR-1HR	7.91	0.00	-0.06	3.49	4.76	4.07
EX14S09_PND14W3	10YR-1HR	10.64	0.00	-0.08	3.39	5.18	4.02
EX14S12_14GW1	10YR-1HR	1.12	0.00	0.00	0.00	0.00	0.00
EX14S12_14GW2	10YR-1HR	1.26	0.00	0.00	0.00	0.00	0.00
EX14S12_WEIR	10YR-1HR	2.39	0.00	0.63	0.88	0.88	0.88
EX14S13_14GW1	10YR-1HR	1.12	0.00	0.00	0.00	0.00	0.00
EX14S13_WEIR	10YR-1HR	1.64	0.00	-1.24	0.83	0.83	0.83
EX14S14_S15	10YR-1HR	3.17	0.00	0.00	1.79	1.79	1.79
EX14S15_S17	10YR-1HR	13.01	0.00	0.01	4.20	4.37	4.29
EX14S17_PND14W2	10YR-1HR	16.39	0.00	-0.13	6.67	40.63	23.65
EX14S19_S20	10YR-1HR	4.20	0.00	0.00	2.53	2.50	2.51
EX14S20_S15	10YR-1HR	8.07	0.00	-0.07	5.81	8.07	6.94
EX14S21_S20	10YR-1HR	3.88	0.00	0.00	2.23	2.31	2.27
EX14S28_S30	10YR-1HR	1.51	0.00	0.01	2.54	3.29	2.91
EX14S30_S34	10YR-1HR	4.84	0.00	-0.07	4.71	8.89	6.80
EX14S32_S30	10YR-1HR	1.02	0.00	0.08	2.80	2.64	2.69
EX14S34_S37	10YR-1HR	6.72	0.00	-0.03	4.77	8.84	6.80
EX14S37_S39	10YR-1HR	7.74	0.00	-0.07	4.99	10.28	7.64
EX14S38_C-4C1	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX14S38_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX14S39_PND14W1	10YR-1HR	10.91	0.00	0.07	5.63	9.63	7.63
EX14SD2_PND14W1	10YR-1HR	9.88	-76.33	8.20	-6.07	-6.07	-6.07
EX14SD2_WEIR	10YR-1HR	3.78	0.00	0.00	1.92	1.92	1.92
EX15F-E_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX15FE_15GW2	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX15N710C_15GW1	10YR-1HR	0.86	0.00	0.00	0.00	0.00	0.00
EX15N710C_WEIR	10YR-1HR	1.64	0.00	0.00	0.96	0.96	0.96
EX15N710E_15GW1	10YR-1HR	0.85	0.00	0.00	0.00	0.00	0.00
EX15N710E_15GW2	10YR-1HR	1.10	0.00	0.00	0.00	0.00	0.00
EX15N710E_WEIR	10YR-1HR	2.19	0.00	0.00	0.96	0.96	0.96
EX15S29_S33	10YR-1HR	4.41	0.00	0.00	3.30	3.19	3.25
EX15S31_S29	10YR-1HR	0.98	-0.12	-0.01	0.64	-1.46	-0.94
EX15S33_S35	10YR-1HR	5.54	0.00	0.07	4.95	3.62	4.29
EX15S35_PND15E1	10YR-1HR	6.62	0.00	0.07	5.32	19.33	12.33
EX15S36_S40	10YR-1HR	1.56	0.00	-0.02	3.31	6.66	4.98
EX15S40_PND15E1	10YR-1HR	11.00	0.00	0.07	5.65	8.32	6.99
EX15S41_S40	10YR-1HR	5.95	0.00	0.00	3.00	2.47	2.73
EX15S43_S41	10YR-1HR	2.74	0.00	0.00	1.95	1.40	1.66
EX15S68A_15GW3	10YR-1HR	0.45	0.00	0.00	0.00	0.00	0.00
EX15S68A_WEIR	10YR-1HR	1.36	0.00	-0.59	0.82	0.82	0.82
EX15S68_PND15E1	10YR-1HR	1.94	0.00	0.02	3.52	6.71	5.11
EX15S93_C-4C2	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX15S93_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX16S100A_S101	10YR-1HR	3.19	-0.14	0.94	1.01	1.01	1.01
EX16S101A_WEIR	10YR-1HR	8.56	-0.01	1.03	1.16	1.16	1.16
EX16S101_S101A	10YR-1HR	10.34	-0.48	8.29	0.82	0.82	0.82
EX16S66A_16GW1	10YR-1HR	0.45	0.00	0.00	0.00	0.00	0.00
EX16S66A_WEIR	10YR-1HR	0.97	0.00	-0.55	0.73	0.73	0.73
EX16S66B_S66	10YR-1HR	4.94	-1.19	-4.94	0.12	0.12	0.12
EX16S66_WEIR	10YR-1HR	1.81	-2.89	-1.26	-0.97	-0.97	-0.97
EX16S95A_WEIR	10YR-1HR	3.11	-0.56	0.93	0.69	0.69	0.69
EX16S95_S95	10YR-1HR	6.12	-0.03	-5.70	0.49	0.49	0.49

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
A							
EX16S96_S95	10YR-1HR	2.37	0.00	0.00	2.29	3.50	2.90
EX16S99_C-4 C2	10YR-1HR	12.02	-0.23	1.91	0.85	0.85	0.85
EX16S99_WE IR	10YR-1HR	12.01	0.00	0.01	1.35	1.35	1.35
PND15E2_PN D15E1	10YR-1HR	0.14	-4.05	0.11	-0.11	-0.11	-0.11
POND15E1_ WEIR	10YR-1HR	8.53	0.00	0.00	1.18	1.18	1.18
CH14+SEC1	10YR-24HR	2.06	-0.10	-0.23	0.21	0.36	0.28
CH14+SEC2	10YR-24HR	1.71	-0.39	-0.11	-0.06	1.24	0.64
CH15+SEC1	10YR-24HR	1.24	-0.12	-0.01	-0.46	0.71	0.40
CH15+SEC2	10YR-24HR	0.92	0.00	0.01	0.27	1.34	0.80
EX14F-D_WEI R	10YR-24HR	0.68	-0.76	0.00	0.52	0.52	0.52
EX14FD_14G W2	10YR-24HR	0.92	0.00	0.00	0.00	0.00	0.00
EX14FD_14G W3	10YR-24HR	0.40	0.00	0.00	0.00	0.00	0.00
EX14S01_S05	10YR-24HR	0.40	0.00	-0.04	1.12	1.26	1.01
EX14S05_S08	10YR-24HR	0.70	0.00	-0.01	1.39	1.27	1.32
EX14S08_S09	10YR-24HR	1.27	0.00	-0.09	1.95	2.62	2.20
EX14S09_PN D14W3	10YR-24HR	1.72	0.00	0.12	1.17	2.32	1.70
EX14S12_14G W1	10YR-24HR	0.81	0.00	0.00	0.00	0.00	0.00
EX14S12_14G W2	10YR-24HR	0.92	0.00	0.00	0.00	0.00	0.00
EX14S12_WE IR	10YR-24HR	1.74	0.00	0.00	0.66	0.66	0.66
EX14S13_14G W1	10YR-24HR	0.82	0.00	0.00	0.00	0.00	0.00
EX14S13_WE IR	10YR-24HR	0.82	0.00	-0.01	0.34	0.34	0.34
EX14S14_S15	10YR-24HR	0.53	0.00	0.00	1.00	0.84	0.92
EX14S15_S17	10YR-24HR	2.16	0.00	0.00	2.88	2.29	2.58
EX14S17_PN D14W2	10YR-24HR	2.72	0.00	0.03	3.64	20.00	11.56
EX14S19_S20	10YR-24HR	0.70	0.00	0.00	1.73	1.30	1.52
EX14S20_S15	10YR-24HR	1.34	0.00	-0.02	3.16	4.92	4.04
EX14S21_S20	10YR-24HR	0.64	0.00	0.00	1.27	1.20	1.24
EX14S28_S30	10YR-24HR	0.25	0.00	0.00	1.55	1.97	1.76
EX14S30_S34	10YR-24HR	1.26	0.00	-0.03	3.12	6.04	4.58
EX14S32_S30	10YR-24HR	0.17	0.00	0.00	1.59	1.82	1.70
EX14S34_S37	10YR-24HR	1.12	0.00	-0.03	2.85	5.21	4.03
EX14S37_S39	10YR-24HR	1.28	0.00	-0.03	2.96	5.48	4.10

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX14S38_C-4 C1	10YR-24HR	15.41	-0.87	-15.41	0.53	0.53	0.53
EX14S38_WE IR	10YR-24HR	5.11	0.00	0.00	0.89	0.89	0.89
EX14S39_PN D14W1	10YR-24HR	1.81	0.00	0.03	3.25	5.74	4.50
EX14SD2_PN D14W1	10YR-24HR	2.23	-71.88	19.92	-5.72	-5.72	-5.72
EX14SD2_WE IR	10YR-24HR	0.86	0.00	0.00	1.17	1.17	1.17
EX15F-E_WEI R	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX15FE_15G W2	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX15N710C_1 5GW1	10YR-24HR	0.61	0.00	0.00	0.00	0.00	0.00
EX15N710C_ WEIR	10YR-24HR	0.62	0.00	0.00	0.68	0.68	0.68
EX15N710E_1 5GW1	10YR-24HR	0.60	0.00	0.00	0.00	0.00	0.00
EX15N710E_1 5GW2	10YR-24HR	0.78	0.00	0.00	0.00	0.00	0.00
EX15N710E_ WEIR	10YR-24HR	1.39	0.00	0.00	0.81	0.81	0.81
EX15S29_S33	10YR-24HR	0.73	0.00	0.00	2.43	1.79	2.11
EX15S31_S29	10YR-24HR	0.19	-0.01	0.03	0.37	0.29	0.33
EX15S33_S35	10YR-24HR	0.92	0.00	-0.02	2.85	1.98	2.41
EX15S35_PN D15E1	10YR-24HR	1.10	0.00	0.02	2.99	11.35	7.17
EX15S36_S40	10YR-24HR	0.26	0.00	-0.01	2.03	3.89	2.96
EX15S40_PN D15E1	10YR-24HR	1.83	0.00	0.03	3.26	4.99	4.13
EX15S41_S40	10YR-24HR	0.99	0.00	0.00	2.24	1.39	1.82
EX15S43_S41	10YR-24HR	0.45	0.00	0.00	1.69	1.03	1.36
EX15S68A_15 GW3	10YR-24HR	0.45	0.00	0.00	0.00	0.00	0.00
EX15S68A_W EIR	10YR-24HR	0.82	0.00	-0.77	0.24	0.24	0.24
EX15S68_PN D15E1	10YR-24HR	0.32	0.00	-0.01	2.15	3.64	2.83
EX15S93_C-4 C2	10YR-24HR	5.11	0.00	2.34	0.36	0.36	0.36
EX15S93_WE IR	10YR-24HR	4.13	0.00	0.00	0.77	0.77	0.77
EX16S100A_S 101	10YR-24HR	1.96	-0.10	-1.96	0.62	0.62	0.62
EX16S101A_	10YR-24HR	3.30	0.00	-3.28	0.41	0.41	0.41

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
WEIR							
EX16S101_S101A	10YR-24HR	6.13	-0.57	-6.13	0.49	0.49	0.49
EX16S66A_16GW1	10YR-24HR	0.35	0.00	0.00	0.00	0.00	0.00
EX16S66A_WEIR	10YR-24HR	0.38	0.00	-0.29	0.21	0.21	0.21
EX16S66B_S66	10YR-24HR	17.31	-11.66	-17.31	0.42	0.42	0.42
EX16S66_WEIR	10YR-24HR	9.83	-6.48	-9.83	0.46	0.46	0.46
EX16S95A_WEIR	10YR-24HR	1.36	-0.10	1.36	0.16	0.16	0.16
EX16S95_S95A	10YR-24HR	2.15	-0.03	-2.15	0.17	0.17	0.17
EX16S96_S95	10YR-24HR	0.39	0.00	0.00	1.30	2.09	1.70
EX16S99_C-4C2	10YR-24HR	4.05	0.00	-2.77	0.29	0.29	0.29
EX16S99_WEIR	10YR-24HR	2.75	0.00	0.01	0.83	0.83	0.83
PND15E2_PND15E1	10YR-24HR	1.15	-0.96	0.24	0.03	0.03	0.03
POND15E1_WEIR	10YR-24HR	1.47	0.00	0.00	0.66	0.66	0.66
CH14+SEC1	10YR-8HR	8.14	-0.30	0.37	0.29	0.45	0.34
CH14+SEC2	10YR-8HR	10.64	-0.83	-0.27	0.15	1.65	0.86
CH15+SEC1	10YR-8HR	4.86	-0.23	-0.01	-0.47	0.62	0.35
CH15+SEC2	10YR-8HR	6.58	0.00	0.01	0.59	2.52	1.56
EX14F-D_WEIR	10YR-8HR	1.01	-4.83	0.00	0.55	0.55	0.55
EX14FD_14GW2	10YR-8HR	1.08	0.00	0.00	0.00	0.00	0.00
EX14FD_14GW3	10YR-8HR	0.47	0.00	0.00	0.00	0.00	0.00
EX14S01_S05	10YR-8HR	1.30	0.00	-0.02	1.33	1.59	1.23
EX14S05_S08	10YR-8HR	2.30	-0.01	-0.03	1.84	1.74	1.79
EX14S08_S09	10YR-8HR	4.17	0.00	0.20	2.57	3.12	2.63
EX14S09_PND14W3	10YR-8HR	5.64	0.00	-0.18	1.80	2.93	2.16
EX14S12_14GW1	10YR-8HR	0.95	0.00	0.00	0.00	0.00	0.00
EX14S12_14GW2	10YR-8HR	1.08	0.00	0.00	0.00	0.00	0.00
EX14S12_WEIR	10YR-8HR	2.04	0.00	0.00	0.70	0.70	0.70
EX14S13_14GW1	10YR-8HR	0.95	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX14S13_WEIR	10YR-8HR	0.98	0.00	0.01	0.61	0.61	0.61
EX14S14_S15	10YR-8HR	1.69	0.00	0.00	1.17	1.11	1.14
EX14S15_S17	10YR-8HR	6.94	0.00	0.00	3.47	3.29	3.38
EX14S17_PND14W2	10YR-8HR	8.75	0.00	-0.07	5.20	33.72	19.46
EX14S19_S20	10YR-8HR	2.24	0.00	0.00	2.12	1.88	2.00
EX14S20_S15	10YR-8HR	4.30	0.00	-0.07	4.52	6.86	5.69
EX14S21_S20	10YR-8HR	2.07	0.00	0.00	1.73	1.74	1.73
EX14S28_S30	10YR-8HR	0.80	0.00	0.00	2.16	2.73	2.45
EX14S30_S34	10YR-8HR	2.58	0.00	-0.02	3.83	7.44	5.64
EX14S32_S30	10YR-8HR	0.55	0.00	0.02	2.48	2.49	2.48
EX14S34_S37	10YR-8HR	3.59	0.00	0.03	3.94	7.37	5.66
EX14S37_S39	10YR-8HR	4.13	0.00	-0.03	4.11	8.57	6.34
EX14S38_C-4C1	10YR-8HR	12.29	-0.46	-7.91	0.43	0.43	0.43
EX14S38_WEIR	10YR-8HR	10.04	0.00	0.00	1.11	1.11	1.11
EX14S39_PND14W1	10YR-8HR	5.82	0.00	0.03	4.56	8.08	6.32
EX14SD2_PND14W1	10YR-8HR	11.64	-76.33	8.20	-6.07	-6.07	-6.07
EX14SD2_WEIR	10YR-8HR	7.14	0.00	0.00	2.38	2.38	2.38
EX15F-E_WEIR	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX15FE_15GW2	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX15N710C_15GW1	10YR-8HR	0.70	0.00	0.00	0.00	0.00	0.00
EX15N710C_WEIR	10YR-8HR	0.74	0.00	0.00	0.70	0.70	0.70
EX15N710E_15GW1	10YR-8HR	0.69	0.00	0.00	0.00	0.00	0.00
EX15N710E_15GW2	10YR-8HR	0.90	0.00	0.00	0.00	0.00	0.00
EX15N710E_WEIR	10YR-8HR	1.61	0.00	0.00	0.83	0.83	0.83
EX15S29_S33	10YR-8HR	2.35	0.00	0.00	3.00	2.56	2.78
EX15S31_S29	10YR-8HR	0.59	-0.01	0.08	0.59	0.51	0.55
EX15S33_S35	10YR-8HR	2.95	0.00	-0.02	4.00	2.86	3.43
EX15S35_PND15E1	10YR-8HR	3.53	0.00	-0.02	4.23	16.09	10.16
EX15S36_S40	10YR-8HR	0.83	0.00	-0.02	2.77	5.53	4.15
EX15S40_PND15E1	10YR-8HR	5.88	0.00	0.03	4.57	7.01	5.79
EX15S41_S40	10YR-8HR	3.18	0.00	0.00	2.77	1.99	2.38

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX15S43_S41	10YR-8HR	1.46	0.00	0.00	1.86	1.27	1.55
EX15S68A_15GW3	10YR-8HR	0.42	-0.01	0.00	0.00	0.00	0.00
EX15S68A_WEIR	10YR-8HR	0.74	0.00	-0.75	0.65	0.65	0.65
EX15S68_PND15E1	10YR-8HR	1.03	0.00	0.02	2.94	5.57	4.26
EX15S93_C-4C2	10YR-8HR	10.55	0.00	-3.78	0.75	0.75	0.75
EX15S93_WEIR	10YR-8HR	10.54	0.00	0.00	1.05	1.05	1.05
EX16S100A_S101	10YR-8HR	1.96	-0.04	0.97	0.62	0.62	0.62
EX16S101A_WEIR	10YR-8HR	5.11	0.00	0.99	0.67	0.67	0.67
EX16S101_S101A	10YR-8HR	9.29	-0.57	9.29	0.74	0.74	0.74
EX16S66A_16GW1	10YR-8HR	0.34	0.00	0.00	0.00	0.00	0.00
EX16S66A_WEIR	10YR-8HR	0.43	0.00	-0.26	0.21	0.21	0.21
EX16S66B_S66	10YR-8HR	4.55	-0.41	-4.55	0.11	0.11	0.11
EX16S66_WEIR	10YR-8HR	1.52	-0.86	-1.13	-0.46	-0.46	-0.46
EX16S95A_WEIR	10YR-8HR	1.96	-0.23	1.04	0.36	0.36	0.36
EX16S95_S95A	10YR-8HR	6.06	-0.12	-6.06	0.48	0.48	0.48
EX16S96_S95	10YR-8HR	1.26	0.00	0.00	1.88	2.91	2.40
EX16S99_C-4C2	10YR-8HR	9.43	0.00	3.32	0.67	0.67	0.67
EX16S99_WEIR	10YR-8HR	9.42	0.00	0.00	1.24	1.24	1.24
PND15E2_PND15E1	10YR-8HR	2.21	-4.56	0.29	-0.11	-0.11	-0.11
POND15E1_WEIR	10YR-8HR	8.23	0.00	0.00	1.17	1.17	1.17
CH14+SEC1	25YR-72HR	18.99	-0.04	-0.56	0.32	0.24	0.28
CH14+SEC2	25YR-72HR	24.37	-0.31	-0.11	0.30	0.75	0.50
CH15+SEC1	25YR-72HR	12.78	-0.10	-0.02	-0.44	0.76	0.43
CH15+SEC2	25YR-72HR	18.43	0.00	0.01	0.83	3.45	2.14
EX14F-D_WEIR	25YR-72HR	0.62	-14.75	-0.01	0.50	0.50	0.50
EX14FD_14GW2	25YR-72HR	1.26	0.00	0.00	0.00	0.00	0.00
EX14FD_14G	25YR-72HR	0.55	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W3							
EX14S01_S05	25YR-72HR	2.86	0.00	-0.06	1.62	1.62	1.62
EX14S05_S08	25YR-72HR	5.09	0.00	0.21	2.88	2.88	2.88
EX14S08_S09	25YR-72HR	9.24	0.00	-0.94	2.94	2.94	2.94
EX14S09_PND14W3	25YR-72HR	12.49	0.00	0.58	3.98	3.98	3.98
EX14S12_14GW1	25YR-72HR	1.11	0.00	0.00	0.00	0.00	0.00
EX14S12_14GW2	25YR-72HR	1.25	0.00	0.00	0.00	0.00	0.00
EX14S12_WEIR	25YR-72HR	2.37	0.00	-0.01	0.52	0.52	0.52
EX14S13_14GW1	25YR-72HR	1.11	0.00	0.00	0.00	0.00	0.00
EX14S13_WEIR	25YR-72HR	1.16	0.00	0.09	0.29	0.29	0.29
EX14S14_S15	25YR-72HR	3.78	0.00	-0.05	2.14	2.14	2.14
EX14S15_S17	25YR-72HR	15.32	0.00	0.19	4.88	5.01	4.94
EX14S17_PND14W2	25YR-72HR	18.33	0.00	0.74	7.20	43.28	25.24
EX14S19_S20	25YR-72HR	4.96	0.00	0.02	2.83	2.88	2.85
EX14S20_S15	25YR-72HR	11.84	0.00	-3.35	7.04	9.65	8.34
EX14S21_S20	25YR-72HR	4.58	0.00	0.02	2.59	2.66	2.62
EX14S28_S30	25YR-72HR	1.79	0.00	0.01	2.67	3.43	3.05
EX14S30_S34	25YR-72HR	5.76	0.00	0.10	5.03	9.32	7.18
EX14S32_S30	25YR-72HR	1.22	0.00	0.14	2.79	2.64	2.62
EX14S34_S37	25YR-72HR	7.99	0.00	-0.07	5.05	9.28	7.16
EX14S37_S39	25YR-72HR	9.21	0.00	0.11	5.30	10.79	8.04
EX14S38_C-4C1	25YR-72HR	54.09	-0.78	-21.98	1.87	1.87	1.87
EX14S38_WEIR	25YR-72HR	54.08	0.00	0.01	1.95	1.95	1.95
EX14S39_PND14W1	25YR-72HR	12.97	0.00	-0.16	6.02	10.09	8.06
EX14SD2_PND14W1	25YR-72HR	25.66	-71.88	19.92	-5.72	-5.72	-5.72
EX14SD2_WEIR	25YR-72HR	16.01	0.00	0.00	3.11	3.11	3.11
EX15F-E_WEIR	25YR-72HR	0.40	0.00	0.00	0.00	0.00	0.00
EX15FE_15GW2	25YR-72HR	0.14	0.00	0.00	0.00	0.00	0.00
EX15N710C_15GW1	25YR-72HR	0.82	0.00	0.00	0.00	0.00	0.00
EX15N710C_WEIR	25YR-72HR	0.89	0.00	0.00	0.67	0.67	0.67
EX15N710E_1	25YR-72HR	0.82	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
5GW1							
EX15N710E_15GW2	25YR-72HR	1.05	0.00	0.00	0.00	0.00	0.00
EX15N710E_WEIR	25YR-72HR	1.91	0.00	0.02	0.81	0.81	0.81
EX15S29_S33	25YR-72HR	5.25	0.00	0.29	3.56	4.22	3.89
EX15S31_S29	25YR-72HR	1.17	-0.18	-0.17	0.77	-0.99	-0.77
EX15S33_S35	25YR-72HR	8.97	0.00	2.74	6.11	5.50	5.80
EX15S35_PND15E1	25YR-72HR	8.48	0.00	0.12	5.95	20.76	13.35
EX15S36_S40	25YR-72HR	1.86	0.00	0.02	3.47	7.01	5.24
EX15S40_PND15E1	25YR-72HR	13.08	0.00	-0.11	6.04	8.71	7.37
EX15S41_S40	25YR-72HR	7.08	0.00	0.00	3.07	2.65	2.86
EX15S43_S41	25YR-72HR	3.26	0.00	0.00	1.97	1.42	1.68
EX15S68A_15GW3	25YR-72HR	0.46	0.00	0.00	0.00	0.00	0.00
EX15S68A_WEIR	25YR-72HR	0.71	-0.03	-0.71	0.27	0.27	0.27
EX15S68_PND15E1	25YR-72HR	2.74	0.00	0.75	3.91	1.97	2.94
EX15S93_C-4C2	25YR-72HR	62.64	0.00	-3.48	4.43	4.43	4.43
EX15S93_WEIR	25YR-72HR	62.63	0.00	0.02	1.90	1.90	1.90
EX16S100A_S101	25YR-72HR	3.92	-0.17	-3.06	1.25	1.25	1.25
EX16S101A_WEIR	25YR-72HR	10.58	-0.02	-4.88	0.40	0.40	0.40
EX16S101_S101A	25YR-72HR	11.56	-0.84	9.93	0.92	0.92	0.92
EX16S66A_16GW1	25YR-72HR	0.33	0.00	0.00	0.00	0.00	0.00
EX16S66A_WEIR	25YR-72HR	0.43	0.00	-0.33	0.19	0.19	0.19
EX16S66B_S66	25YR-72HR	23.27	-18.86	-23.27	0.57	0.57	0.57
EX16S66_WEIR	25YR-72HR	11.89	-10.12	-11.89	-0.76	-0.76	-0.76
EX16S95A_WEIR	25YR-72HR	5.39	-0.03	-4.81	0.21	0.21	0.21
EX16S95_S95A	25YR-72HR	11.07	-0.01	-11.07	0.88	0.88	0.88
EX16S96_S95	25YR-72HR	2.82	0.00	0.01	2.42	3.68	3.05
EX16S99_C-4C2	25YR-72HR	21.89	0.00	-2.55	1.55	1.55	1.55
EX16S99_WE	25YR-72HR	21.89	0.00	0.02	1.65	1.65	1.65

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
IR							
PND15E2_PND15E1	25YR-72HR	11.28	-0.39	0.93	0.28	0.28	0.28
POND15E1_WEIR	25YR-72HR	22.36	0.00	-0.06	1.63	1.63	1.63

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
14GW1	100YR-1HR	41047	0	41047
14GW1	100YR-24HR	133772	0	133772
14GW1	100YR-8HR	65588	0	65588
14GW1	10YR-1HR	34071	0	34071
14GW1	10YR-24HR	109022	0	109022
14GW1	10YR-8HR	57622	0	57622
14GW1	25YR-72HR	157585	0	157585

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
14GW2	100YR-1HR	42965	0	42965
14GW2	100YR-24HR	142774	0	142774
14GW2	100YR-8HR	69422	0	69422
14GW2	10YR-1HR	35039	0	35039
14GW2	10YR-24HR	112850	0	112850
14GW2	10YR-8HR	60124	0	60124
14GW2	25YR-72HR	142631	0	142631

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
14GW3	100YR-1HR	8578	0	8578
14GW3	100YR-24HR	29285	0	29285
14GW3	100YR-8HR	14121	0	14121
14GW3	10YR-1HR	6854	0	6854
14GW3	10YR-24HR	22447	0	22447
14GW3	10YR-8HR	12021	0	12021
14GW3	25YR-72HR	28523	0	28523

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
15GW1	100YR-1HR	10481	0	10481
15GW1	100YR-24HR	77655	0	77655
15GW1	100YR-8HR	29867	0	29867
15GW1	10YR-1HR	9106	0	9106
15GW1	10YR-24HR	60566	0	60566
15GW1	10YR-8HR	25549	0	25549

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
15GW1	25YR-72HR	86361	0	86361

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
15GW2	100YR-1HR	6030	0	6030
15GW2	100YR-24HR	42888	0	42888
15GW2	100YR-8HR	17506	0	17506
15GW2	10YR-1HR	5135	0	5135
15GW2	10YR-24HR	29333	0	29333
15GW2	10YR-8HR	13880	0	13880
15GW2	25YR-72HR	30969	0	30969

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
15GW3	100YR-1HR	43020	0	43020
15GW3	100YR-24HR	51171	20	51151
15GW3	100YR-8HR	34827	30	34796
15GW3	10YR-1HR	33462	0	33462
15GW3	10YR-24HR	46870	34	46837
15GW3	10YR-8HR	33892	44	33848
15GW3	25YR-72HR	67421	20	67401

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
16GW1	100YR-1HR	17651	0	17651
16GW1	100YR-24HR	37636	2	37634
16GW1	100YR-8HR	22090	2	22088
16GW1	10YR-1HR	17450	0	17450
16GW1	10YR-24HR	35689	3	35687
16GW1	10YR-8HR	21534	4	21531
16GW1	25YR-72HR	67137	2	67135

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
C-4 CANAL_1	100YR-1HR	19158	8	19150
C-4 CANAL_1	100YR-24HR	376792	106	376686
C-4 CANAL_1	100YR-8HR	265163	68	265095
C-4 CANAL_1	10YR-1HR	0	0	0
C-4 CANAL_1	10YR-24HR	121469	194	121275
C-4 CANAL_1	10YR-8HR	93691	76	93615
C-4 CANAL_1	25YR-72HR	428881	186	428696

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
C-4 CANAL_2	100YR-1HR	59966	45	59922
C-4 CANAL_2	100YR-24HR	398923	137	398786
C-4 CANAL_2	100YR-8HR	274068	89	273979
C-4 CANAL_2	10YR-1HR	17752	9	17742
C-4 CANAL_2	10YR-24HR	166380	193	166188
C-4 CANAL_2	10YR-8HR	123733	101	123631
C-4 CANAL_2	25YR-72HR	414674	212	414462

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14F-D	100YR-1HR	49951	49951	0
EX14F-D	100YR-24HR	120863	120863	0
EX14F-D	100YR-8HR	85201	85186	14
EX14F-D	10YR-1HR	32988	32988	0
EX14F-D	10YR-24HR	78913	78912	0
EX14F-D	10YR-8HR	59902	59888	14
EX14F-D	25YR-72HR	134303	134266	38

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S01	100YR-1HR	8111	7875	236
EX14S01	100YR-24HR	22013	21774	239
EX14S01	100YR-8HR	15610	15373	238
EX14S01	10YR-1HR	5531	5295	236
EX14S01	10YR-24HR	14410	14145	265
EX14S01	10YR-8HR	10943	10705	238
EX14S01	25YR-72HR	23781	23516	265

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S05	100YR-1HR	14261	14002	259
EX14S05	100YR-24HR	39002	38754	248
EX14S05	100YR-8HR	27598	27346	252
EX14S05	10YR-1HR	9660	9401	258
EX14S05	10YR-24HR	25422	25151	271
EX14S05	10YR-8HR	19275	19024	251
EX14S05	25YR-72HR	42127	41854	272

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S08	100YR-1HR	25639	25611	28
EX14S08	100YR-24HR	70338	70327	11
EX14S08	100YR-8HR	49744	49719	25
EX14S08	10YR-1HR	17337	17308	29
EX14S08	10YR-24HR	45826	45816	10
EX14S08	10YR-8HR	34725	34704	21
EX14S08	25YR-72HR	75974	75967	7

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S09	100YR-1HR	34741	34631	110
EX14S09	100YR-24HR	95212	95110	102
EX14S09	100YR-8HR	67357	67252	105
EX14S09	10YR-1HR	23525	23414	111
EX14S09	10YR-24HR	62105	61993	112
EX14S09	10YR-8HR	47069	46965	104
EX14S09	25YR-72HR	102849	102736	113

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S12	100YR-1HR	43646	43646	0
EX14S12	100YR-24HR	141784	141784	0
EX14S12	100YR-8HR	69489	69472	17
EX14S12	10YR-1HR	36204	36204	0
EX14S12	10YR-24HR	115089	115089	0
EX14S12	10YR-8HR	61087	61070	17

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S12	25YR-72HR	144526	144487	38

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S13	100YR-1HR	20606	20608	-2
EX14S13	100YR-24HR	67318	67318	0
EX14S13	100YR-8HR	33031	33017	15
EX14S13	10YR-1HR	17166	17121	46
EX14S13	10YR-24HR	55089	55088	0
EX14S13	10YR-8HR	29006	28992	15
EX14S13	25YR-72HR	90038	90028	10

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S14	100YR-1HR	10403	10403	0
EX14S14	100YR-24HR	28234	28234	0
EX14S14	100YR-8HR	20022	20022	0
EX14S14	10YR-1HR	7094	7094	0
EX14S14	10YR-24HR	18482	18482	0
EX14S14	10YR-8HR	14036	14036	0
EX14S14	25YR-72HR	30501	30502	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S15	100YR-1HR	42649	42597	52
EX14S15	100YR-24HR	115807	115806	1
EX14S15	100YR-8HR	82123	82121	2
EX14S15	10YR-1HR	29095	29090	5
EX14S15	10YR-24HR	75809	75808	1
EX14S15	10YR-8HR	57570	57568	2
EX14S15	25YR-72HR	125085	125124	-39

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S17	100YR-1HR	53705	53446	259
EX14S17	100YR-24HR	145954	145955	0
EX14S17	100YR-8HR	103501	103501	0
EX14S17	10YR-1HR	36665	36666	-1
EX14S17	10YR-24HR	95544	95544	0
EX14S17	10YR-8HR	72555	72556	0
EX14S17	25YR-72HR	157693	157113	580

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S19	100YR-1HR	13753	13753	0
EX14S19	100YR-24HR	37326	37326	0
EX14S19	100YR-8HR	26470	26470	0
EX14S19	10YR-1HR	9379	9379	0
EX14S19	10YR-24HR	24434	24434	0
EX14S19	10YR-8HR	18556	18556	0
EX14S19	25YR-72HR	40324	40323	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S20	100YR-1HR	26449	26427	21
EX14S20	100YR-24HR	71781	71781	1
EX14S20	100YR-8HR	50903	50902	1
EX14S20	10YR-1HR	18037	18032	4
EX14S20	10YR-24HR	46989	46989	0
EX14S20	10YR-8HR	35684	35683	1
EX14S20	25YR-72HR	77545	77523	22

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S21	100YR-1HR	12695	12695	0
EX14S21	100YR-24HR	34455	34455	0
EX14S21	100YR-8HR	24434	24434	0
EX14S21	10YR-1HR	8658	8658	0
EX14S21	10YR-24HR	22555	22555	0
EX14S21	10YR-8HR	17128	17128	0
EX14S21	25YR-72HR	37222	37222	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S28	100YR-1HR	4937	4937	0
EX14S28	100YR-24HR	13399	13399	0
EX14S28	100YR-8HR	9502	9502	0
EX14S28	10YR-1HR	3367	3367	0
EX14S28	10YR-24HR	8771	8771	0
EX14S28	10YR-8HR	6661	6661	0
EX14S28	25YR-72HR	14475	14475	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S30	100YR-1HR	15799	15850	-51
EX14S30	100YR-24HR	42999	43050	-51
EX14S30	100YR-8HR	30472	30523	-51
EX14S30	10YR-1HR	10752	10803	-51
EX14S30	10YR-24HR	28114	28171	-56
EX14S30	10YR-8HR	21340	21391	-51
EX14S30	25YR-72HR	46448	46504	-56

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S32	100YR-1HR	3350	3280	70
EX14S32	100YR-24HR	9092	9022	70
EX14S32	100YR-8HR	6448	6378	70
EX14S32	10YR-1HR	2285	2215	70
EX14S32	10YR-24HR	5952	5873	79
EX14S32	10YR-8HR	4520	4450	70
EX14S32	25YR-72HR	9822	9743	79

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S34	100YR-1HR	22021	22018	3
EX14S34	100YR-24HR	59799	59794	4
EX14S34	100YR-8HR	42400	42396	4
EX14S34	10YR-1HR	15011	15008	3
EX14S34	10YR-24HR	39135	39131	4
EX14S34	10YR-8HR	29717	29714	3

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S34	25YR-72HR	64598	64595	4

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S37	100YR-1HR	25368	25364	4
EX14S37	100YR-24HR	68887	68886	1
EX14S37	100YR-8HR	48844	48842	1
EX14S37	10YR-1HR	17292	17289	3
EX14S37	10YR-24HR	45083	45081	1
EX14S37	10YR-8HR	34234	34233	1
EX14S37	25YR-72HR	74417	74414	2

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S38	100YR-1HR	18765	19158	-393
EX14S38	100YR-24HR	376604	376792	-189
EX14S38	100YR-8HR	264999	265163	-164
EX14S38	10YR-1HR	0	0	0
EX14S38	10YR-24HR	120461	121469	-1007
EX14S38	10YR-8HR	93536	93691	-155
EX14S38	25YR-72HR	428393	428881	-488

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S39	100YR-1HR	35767	35761	6
EX14S39	100YR-24HR	97120	97123	-3
EX14S39	100YR-8HR	68864	68867	-2
EX14S39	10YR-1HR	24383	24376	8
EX14S39	10YR-24HR	63564	63566	-2
EX14S39	10YR-8HR	48268	48269	-1
EX14S39	25YR-72HR	104916	104915	1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14SD2	100YR-1HR	79331	75820	3511
EX14SD2	100YR-24HR	221618	218107	3511
EX14SD2	100YR-8HR	212614	209103	3511
EX14SD2	10YR-1HR	33571	32174	1398
EX14SD2	10YR-24HR	86749	83236	3513
EX14SD2	10YR-8HR	112946	109435	3511
EX14SD2	25YR-72HR	244541	241024	3516

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15F-E	100YR-1HR	0	0	0
EX15F-E	100YR-24HR	0	0	0
EX15F-E	100YR-8HR	0	0	0
EX15F-E	10YR-1HR	0	0	0
EX15F-E	10YR-24HR	0	0	0
EX15F-E	10YR-8HR	0	0	0
EX15F-E	25YR-72HR	243	188	54

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15N-710C	100YR-1HR	5815	5815	0
EX15N-710C	100YR-24HR	44463	44462	1
EX15N-710C	100YR-8HR	16337	16318	19
EX15N-710C	10YR-1HR	5132	5132	0
EX15N-710C	10YR-24HR	37865	37864	1
EX15N-710C	10YR-8HR	14826	14807	19
EX15N-710C	25YR-72HR	62580	62538	43

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15N-710E	100YR-1HR	10696	10696	0
EX15N-710E	100YR-24HR	76081	76080	1
EX15N-710E	100YR-8HR	31078	31055	24
EX15N-710E	10YR-1HR	9109	9109	0
EX15N-710E	10YR-24HR	52036	52036	1
EX15N-710E	10YR-8HR	24645	24622	24
EX15N-710E	25YR-72HR	54658	54604	54

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15S29	100YR-1HR	14460	14435	25
EX15S29	100YR-24HR	39235	39210	25
EX15S29	100YR-8HR	27822	27797	25
EX15S29	10YR-1HR	9861	9836	25
EX15S29	10YR-24HR	25682	25654	28
EX15S29	10YR-8HR	19503	19478	25
EX15S29	25YR-72HR	42387	42359	28

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15S31	100YR-1HR	3190	3175	15
EX15S31	100YR-24HR	8624	8609	15
EX15S31	100YR-8HR	6118	6103	15
EX15S31	10YR-1HR	2180	2165	15
EX15S31	10YR-24HR	5650	5633	17
EX15S31	10YR-8HR	4293	4278	15
EX15S31	25YR-72HR	9318	9301	17

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15S33	100YR-1HR	18122	18119	3
EX15S33	100YR-24HR	49250	49250	0
EX15S33	100YR-8HR	34914	34914	0
EX15S33	10YR-1HR	12345	12345	0
EX15S33	10YR-24HR	32221	32221	0
EX15S33	10YR-8HR	24463	24463	0
EX15S33	25YR-72HR	53203	53200	2

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15S35	100YR-1HR	21645	21646	-1
EX15S35	100YR-24HR	58821	58821	0
EX15S35	100YR-8HR	41701	41701	0
EX15S35	10YR-1HR	14750	14750	0
EX15S35	10YR-24HR	38486	38486	0
EX15S35	10YR-8HR	29221	29221	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15S35	25YR-72HR	63540	63540	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15S36	100YR-1HR	5113	5113	0
EX15S36	100YR-24HR	13878	13878	0
EX15S36	100YR-8HR	9841	9841	0
EX15S36	10YR-1HR	3487	3487	0
EX15S36	10YR-24HR	9085	9085	0
EX15S36	10YR-8HR	6899	6899	0
EX15S36	25YR-72HR	14992	14992	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15S40	100YR-1HR	36149	36142	7
EX15S40	100YR-24HR	98102	98109	-8
EX15S40	100YR-8HR	69569	69576	-7
EX15S40	10YR-1HR	24653	24642	11
EX15S40	10YR-24HR	64219	64227	-8
EX15S40	10YR-8HR	48769	48776	-7
EX15S40	25YR-72HR	105979	105981	-2

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15S41	100YR-1HR	19572	19575	-3
EX15S41	100YR-24HR	53118	53119	0
EX15S41	100YR-8HR	37668	37669	-1
EX15S41	10YR-1HR	13347	13350	-2
EX15S41	10YR-24HR	34772	34772	0
EX15S41	10YR-8HR	26406	26407	-1
EX15S41	25YR-72HR	57384	57384	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15S43	100YR-1HR	8993	8993	0
EX15S43	100YR-24HR	24406	24406	0
EX15S43	100YR-8HR	17307	17307	0
EX15S43	10YR-1HR	6132	6133	0
EX15S43	10YR-24HR	15976	15976	0
EX15S43	10YR-8HR	12133	12133	0
EX15S43	25YR-72HR	26365	26365	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15S68	100YR-1HR	6348	6348	0
EX15S68	100YR-24HR	17228	17228	0
EX15S68	100YR-8HR	12217	12217	0
EX15S68	10YR-1HR	4329	4329	0
EX15S68	10YR-24HR	11277	11277	0
EX15S68	10YR-8HR	8564	8564	0
EX15S68	25YR-72HR	18611	18611	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15S68A	100YR-1HR	43051	43020	31
EX15S68A	100YR-24HR	51706	51171	535
EX15S68A	100YR-8HR	35422	34827	596
EX15S68A	10YR-1HR	33546	33462	85
EX15S68A	10YR-24HR	47430	46870	560
EX15S68A	10YR-8HR	34506	33892	614
EX15S68A	25YR-72HR	67912	67422	491

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15S93	100YR-1HR	23189	23201	-12
EX15S93	100YR-24HR	275934	275964	-29
EX15S93	100YR-8HR	184884	184873	12
EX15S93	10YR-1HR	0	0	0
EX15S93	10YR-24HR	99999	99983	15
EX15S93	10YR-8HR	69604	69589	16
EX15S93	25YR-72HR	309179	309031	148

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX16S100A	100YR-1HR	10761	10655	106
EX16S100A	100YR-24HR	29193	29059	134
EX16S100A	100YR-8HR	20702	20562	140
EX16S100A	10YR-1HR	7350	7241	108
EX16S100A	10YR-24HR	19119	18613	506
EX16S100A	10YR-8HR	14513	14399	114
EX16S100A	25YR-72HR	31631	31173	458

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX16S101	100YR-1HR	28999	29000	0
EX16S101	100YR-24HR	78833	81547	-2714
EX16S101	100YR-8HR	55857	56517	-660
EX16S101	10YR-1HR	19765	19753	12
EX16S101	10YR-24HR	51204	49002	2202
EX16S101	10YR-8HR	39143	39865	-722
EX16S101	25YR-72HR	84999	84665	334

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX16S101A	100YR-1HR	28995	28798	197
EX16S101A	100YR-24HR	81545	78489	3056
EX16S101A	100YR-8HR	56515	55674	841
EX16S101A	10YR-1HR	19746	19564	182
EX16S101A	10YR-24HR	48992	50544	-1552
EX16S101A	10YR-8HR	39864	38947	917
EX16S101A	25YR-72HR	84570	84256	314

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX16S66	100YR-1HR	5055	4809	247
EX16S66	100YR-24HR	16461	16039	423
EX16S66	100YR-8HR	11593	10832	761
EX16S66	10YR-1HR	3311	2916	395
EX16S66	10YR-24HR	9659	9781	-122
EX16S66	10YR-8HR	7511	7152	360

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX16S66	25YR-72HR	13621	16747	-3126

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX16S66A	100YR-1HR	17651	17651	0
EX16S66A	100YR-24HR	37640	37636	4
EX16S66A	100YR-8HR	22130	22090	40
EX16S66A	10YR-1HR	17504	17450	54
EX16S66A	10YR-24HR	35698	35689	8
EX16S66A	10YR-8HR	21575	21534	40
EX16S66A	25YR-72HR	67263	67137	126

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX16S66B	100YR-1HR	4856	4523	333
EX16S66B	100YR-24HR	16029	15860	169
EX16S66B	100YR-8HR	10841	10990	-149
EX16S66B	10YR-1HR	2960	2766	194
EX16S66B	10YR-24HR	9929	9048	881
EX16S66B	10YR-8HR	7136	6905	231
EX16S66B	25YR-72HR	17815	12875	4941

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX16S95	100YR-1HR	10337	10488	-151
EX16S95	100YR-24HR	28496	28478	18
EX16S95	100YR-8HR	20129	20814	-685
EX16S95	10YR-1HR	6973	7181	-208
EX16S95	10YR-24HR	18555	18240	315
EX16S95	10YR-8HR	14046	14237	-191
EX16S95	25YR-72HR	30785	30448	338

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX16S95A	100YR-1HR	10556	10197	359
EX16S95A	100YR-24HR	28595	28411	184
EX16S95A	100YR-8HR	20914	19986	927
EX16S95A	10YR-1HR	7251	6833	418
EX16S95A	10YR-24HR	18375	18446	-71
EX16S95A	10YR-8HR	14342	13930	412
EX16S95A	25YR-72HR	30590	30598	-8

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX16S96	100YR-1HR	7758	7508	250
EX16S96	100YR-24HR	21056	20806	250
EX16S96	100YR-8HR	14932	14682	250
EX16S96	10YR-1HR	5291	5041	250
EX16S96	10YR-24HR	13783	13501	282
EX16S96	10YR-8HR	10467	10217	250
EX16S96	25YR-72HR	22747	22464	283

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX16S99	100YR-1HR	36763	36766	-3
EX16S99	100YR-24HR	122962	122959	3
EX16S99	100YR-8HR	89212	89196	17
EX16S99	10YR-1HR	17747	17752	-4
EX16S99	10YR-24HR	66484	66397	87
EX16S99	10YR-8HR	54162	54144	18
EX16S99	25YR-72HR	105897	105643	254

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 14W1	100YR-1HR	157821	19217	138604
POND 14W1	100YR-24HR	515639	377063	138575
POND 14W1	100YR-8HR	404067	265481	138586
POND 14W1	10YR-1HR	79716	486	79230
POND 14W1	10YR-24HR	259401	120840	138561
POND 14W1	10YR-8HR	232590	94011	138579
POND 14W1	25YR-72HR	567331	428787	138544

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 14W2	100YR-1HR	66003	66240	-237
POND 14W2	100YR-24HR	175178	175129	49
POND 14W2	100YR-8HR	125185	125142	43
POND 14W2	10YR-1HR	45320	45320	0
POND 14W2	10YR-24HR	112888	112842	46
POND 14W2	10YR-8HR	87211	87145	65
POND 14W2	25YR-72HR	187658	188182	-524

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 14W3	100YR-1HR	100220	101448	-1228
POND 14W3	100YR-24HR	240592	241756	-1164
POND 14W3	100YR-8HR	188398	189439	-1041
POND 14W3	10YR-1HR	66528	67817	-1289
POND 14W3	10YR-24HR	143336	144479	-1143
POND 14W3	10YR-8HR	125729	126783	-1054
POND 14W3	25YR-72HR	240536	241774	-1238

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 14W4	100YR-1HR	74708	74422	286
POND 14W4	100YR-24HR	122398	122188	211
POND 14W4	100YR-8HR	155061	154834	228
POND 14W4	10YR-1HR	37874	37628	247
POND 14W4	10YR-24HR	33357	33119	237
POND 14W4	10YR-8HR	82900	82677	223
POND 14W4	25YR-72HR	136846	136587	259

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 15E1	100YR-1HR	133731	85081	48650
POND 15E1	100YR-24HR	395037	340796	54241
POND 15E1	100YR-8HR	294146	238586	55560
POND 15E1	10YR-1HR	76227	45135	31092
POND 15E1	10YR-24HR	214447	160343	54104
POND 15E1	10YR-8HR	176918	121464	55455

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 15E1	25YR-72HR	442936	385984	56952

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 15E2	100YR-1HR	35847	18434	17413
POND 15E2	100YR-24HR	91070	70834	20236
POND 15E2	100YR-8HR	66618	45751	20866
POND 15E2	10YR-1HR	19788	9305	10484
POND 15E2	10YR-24HR	55984	35803	20181
POND 15E2	10YR-8HR	45558	24730	20828
POND 15E2	25YR-72HR	95214	73686	21528

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 16E1	100YR-1HR	54986	54989	-3
POND 16E1	100YR-24HR	161118	161267	-149
POND 16E1	100YR-8HR	112029	112004	26
POND 16E1	10YR-1HR	35797	35865	-68
POND 16E1	10YR-24HR	101871	102846	-975
POND 16E1	10YR-8HR	76474	76399	75
POND 16E1	25YR-72HR	172885	173945	-1059

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 15E1	100YR-1HR	28695	28689	6
SWALE 15E1	100YR-24HR	105168	105165	3
SWALE 15E1	100YR-8HR	68460	68457	3
SWALE 15E1	10YR-1HR	16632	16625	7
SWALE 15E1	10YR-24HR	63495	63493	2
SWALE 15E1	10YR-8HR	43613	43609	4
SWALE 15E1	25YR-72HR	117848	117855	-7

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 15E2	100YR-1HR	43039	43046	-7
SWALE 15E2	100YR-24HR	122801	122804	-3
SWALE 15E2	100YR-8HR	94561	94566	-5
SWALE 15E2	10YR-1HR	24443	24451	-8
SWALE 15E2	10YR-24HR	64430	64433	-3
SWALE 15E2	10YR-8HR	57205	57209	-4
SWALE 15E2	25YR-72HR	122850	122982	-132

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
SWALE 15E3	100YR-1HR	39275	39275	0
SWALE 15E3	100YR-24HR	75041	75041	0
SWALE 15E3	100YR-8HR	81936	81936	0
SWALE 15E3	10YR-1HR	18742	18742	0
SWALE 15E3	10YR-24HR	27273	27273	0
SWALE 15E3	10YR-8HR	43245	43245	0
SWALE 15E3	25YR-72HR	97028	97029	-1

SR 90 (SW 8TH ST)

BRIDGE

SYSTEM 14

C-4 Canal_1

PR14S38A_C-4C1
(3)42"-160.0'
-3.32 -3.07

PR14S38A

PR14S38A_WEIR
HORIZONTAL TYPE
EL. 3.43, 3.0'

POND 14W1
4.12 AC
CN 77.40

1.43

PR14S101_POND14W1
18"-10.0'
6.00

PR14S101

14B101
1.27 AC
CN 98

2.93

PR14S39_POND14W1
24"-33.0'
4.43

PR14S40

14B40
0.91 AC
CN 98

PR14S39_S40
24"-87.0'
4.30

14B01-ONSITE
0.31 AC
CN 83.92

14B01-OFFSITE
0.58 AC
CN 80.16

PR14S103_POND14W1
36"-170.0'
-4.00 -0.50

PR14S103

PR14S103_14GW5

14GW5

PR14S104_14GW5

PR14S104-S103
36"-380.0'
-0.50

-0.50

PR14S104

14B02-OFFSITE
0.78 AC
CN 90.78

14B02-ONSITE
0.40 AC
CN 83.47

PR14S104_14GW4

14BD2
1.52 AC
CN 98

PR14SD2

4.68

PR14SD2_S104
18"-39.67'
-0.50

PR14S105_14GW4

14GW4

PR14S105_14GW3

14GW4

PR14S106_14GW3

14GW2

PR14S106_14GW2

PR14S105-S104
36"-219.0'
-0.50 -0.50

PR14S105

PR14S106-S105
36"-255.0'
-0.50 -0.50

PR14S106

-0.50

14B03-OFFSITE
0.17 AC
CN 68.22

14B03-ONSITE
0.37 AC
CN 85.18

-0.50

PR14S12_S106
24"-26.0'
2.43

PR14S12

14B12
0.43 AC
CN 98

14B32
0.33 AC
CN 93.08

PR14S32

17.13

PR14S32_S30
18"-45.0'
16.93

EX14S28

EX14S28_S30
18"-165.0'
22.43 21.93

EX14S30

14B28
0.28 AC
CN 98

EX14S30_S34
18"-170.0'
16.43 11.83

EX14S34

14B30
0.43 AC
CN 98

EX14S34_S37
24"-200.0'
11.83 7.43

EX14S37

14B34
0.35 AC
CN 98

EX14S37_S39
24"-100.0'
7.43 4.43

EX14S39

14B39
0.59 AC
CN 98

4.43

PR14F-D

3.00 2.43

PR14F-D_S12
18"-38.0'

14BF-D
0.89 AC
CN 98

2.43

PR14S09_S12
24"-42.0'

SR 826

MATCHLINE A-A

MATCHLINE B-B

LEGEND

B-### #.## AC CN ##.# CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER	NODE NAME BOUNDARY NODE WITH CONSTANT TAILWATER	###-### ##"-###' #.## #.## EXFILTRATION TRENCH LINK WITH SIZE-LENGTH INVERT ELEVATION	####_WEIR VERTICAL TYPE EL. #.##, ## WEIR LINK WITH WEIR TYPE ELEVATION, WIDTH	###### CHANNEL ###' #.## #.## CHANNEL LINK WITH LENGTH INVERT ELEVATION
#-### NODE NAME	NAME BOUNDARY NODE WITH VARIABLE TAILWATER	###-### (#)##"-###' #.## #.## PIPE LINK WITH (QUANTITY)SIZE-LENGTH INVERT ELEVATION	##_## RATING CURVE LINK	

N.T.S.

1 OF 5

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

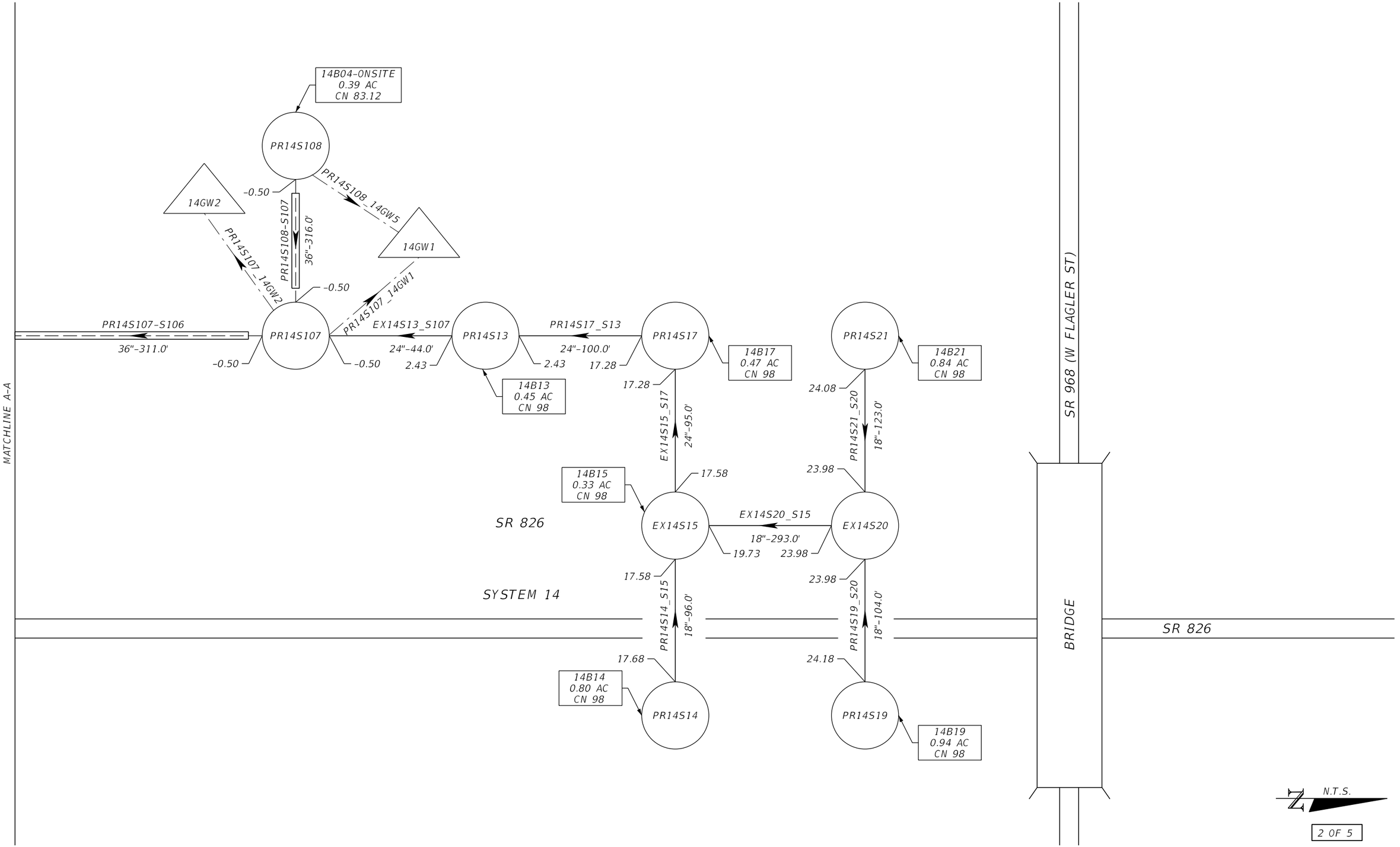
AYLIN COSTA, P.E.
P.E. LICENSE NUMBER 69865
RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-1



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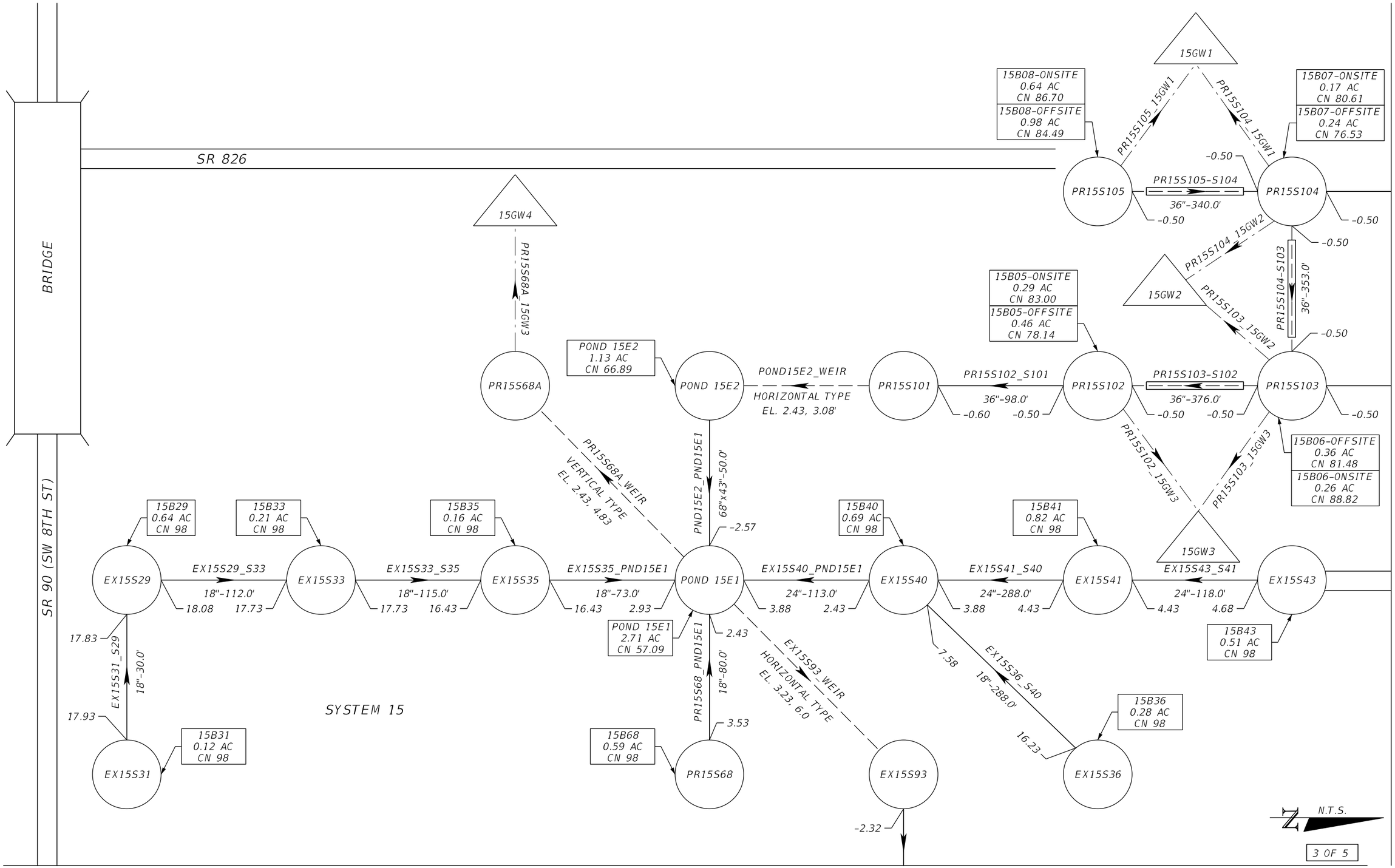
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-2



REVISIONS			
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6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-3

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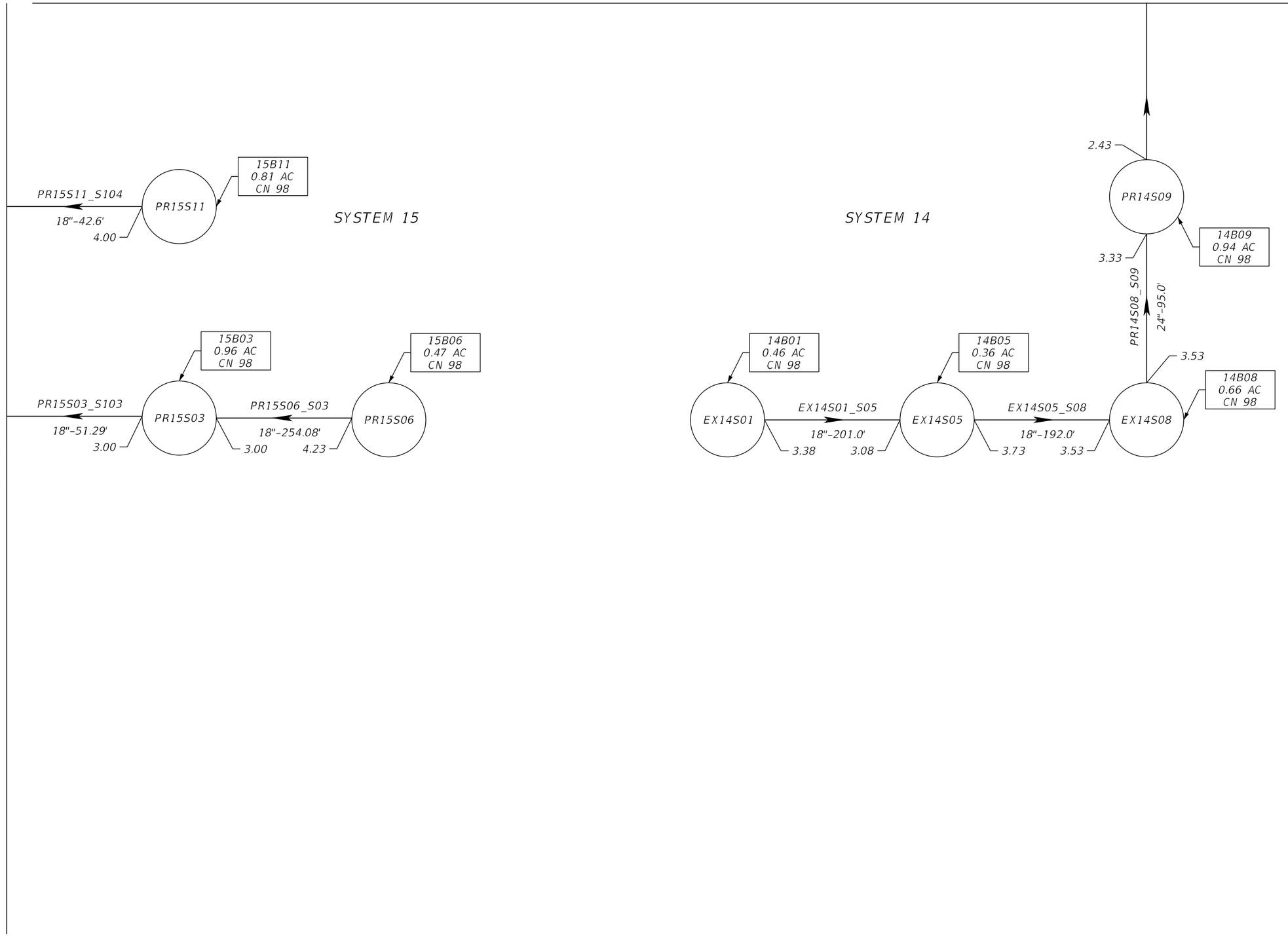
MATCHLINE B-B

MATCHLINE D-D



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

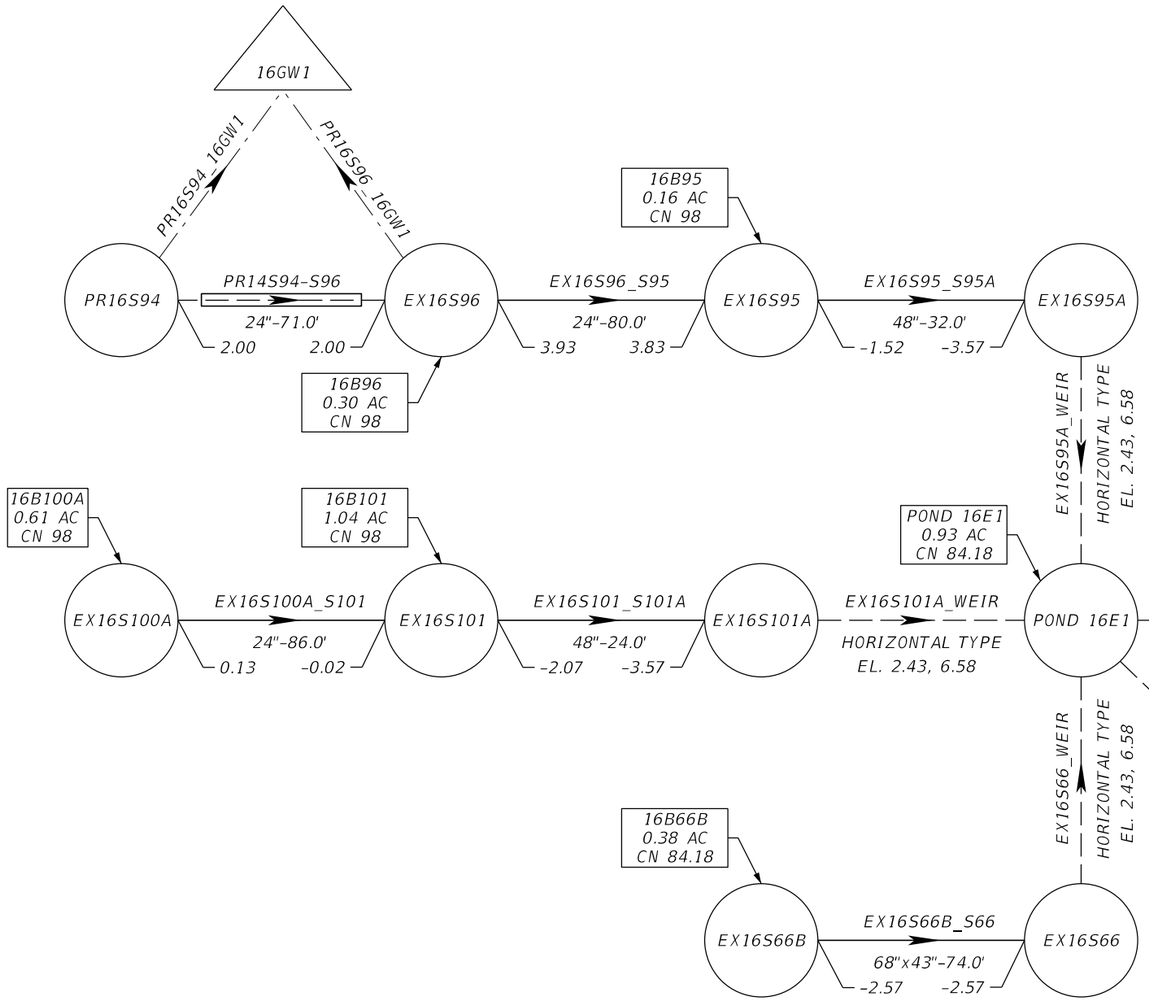
SHEET NO.
NL-4

MATCHLINE C-C

SR 826

BRIDGE

SR 90 (SW 8TH ST)



SYSTEM 16

N.T.S.

5 OF 5

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

AYLIN COSTA, P.E.
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RS&H, INC.
6303 BLUE LAGOON DRIVE, SUITE 325
MIAMI, FL 33126
CERTIFICATE OF AUTHORIZATION 5620

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 826	MIAMI-DADE	432639-1-22-01

POST-DEVELOPMENT NODE-LINK DIAGRAM

SHEET NO. NL-5

Simple Basin: 14B01

Scenario:	Scenario1
Node:	EX14S01
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B01-OFFSITE

Scenario:	Scenario1
Node:	PR14S103
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5800 ac
Curve Number:	80.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B01-ONSITE

Scenario:	Scenario1
Node:	PR14S103
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3100 ac
Curve Number:	83.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B02-OFFSITE

Scenario:	Scenario1
Node:	PR14S104
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.7800 ac
Curve Number:	90.8
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B02-ONSITE

Scenario:	Scenario1
Node:	PR14S104
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4000 ac
Curve Number:	83.5
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B03-OFFSITE

Scenario:	Scenario1
Node:	PR14S106
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1700 ac
Curve Number:	68.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B03-ONSITE

Scenario:	Scenario1
Node:	PR14S106
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3700 ac
Curve Number:	85.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B04-ONSITE

Scenario:	Scenario1
Node:	PR14S108
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3900 ac
Curve Number:	83.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B05

Scenario:	Scenario1
Node:	EX14S05
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B08

Scenario:	Scenario1
Node:	EX14S08
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B09

Scenario:	Scenario1
Node:	PR14S09
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B101

Scenario:	Scenario1
Node:	PR14S101
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B12

Scenario:	Scenario1
Node:	PR14S12
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B13

Scenario:	Scenario1
Node:	PR14S13
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B14

Scenario:	Scenario1
Node:	PR14S14
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B15

Scenario:	Scenario1
Node:	EX14S15
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B17

Scenario:	Scenario1
Node:	PR14S17
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B19

Scenario:	Scenario1
Node:	PR14S19
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B21

Scenario:	Scenario1
Node:	PR14S21
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B28

Scenario:	Scenario1
Node:	EX14S28
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B30

Scenario:	Scenario1
Node:	EX14S30
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4300 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B32

Scenario:	Scenario1
Node:	PR14S32
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3300 ac
Curve Number:	93.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B34

Scenario:	Scenario1
Node:	EX14S34
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3500 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B39

Scenario:	Scenario1
Node:	EX14S39
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14B40

Scenario:	Scenario1
Node:	PR14S40
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14BD2

Scenario:	Scenario1
Node:	PR14SD2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.5200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 14BF-D

Scenario:	Scenario1
Node:	PR14F-D
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B03

Scenario:	Scenario1
Node:	PR15S03
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B05-OFFSITE

Scenario:	Scenario1
Node:	PR15S102
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4600 ac
Curve Number:	78.1
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B05-ONSITE

Scenario:	Scenario1
Node:	PR15S102
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2900 ac
Curve Number:	83.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B06

Scenario:	Scenario1
Node:	PR15S06
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.4700 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B06-OFFSITE

Scenario:	Scenario1
Node:	PR15S103
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3600 ac
Curve Number:	81.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B06-ONSITE

Scenario:	Scenario1
Node:	PR15S103
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2600 ac
Curve Number:	88.8
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B07-OFFSITE

Scenario:	Scenario1
Node:	PR15S104
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2400 ac
Curve Number:	76.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B07-ONSITE

Scenario:	Scenario1
Node:	PR15S104
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1700 ac
Curve Number:	80.6
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B08-OFFSITE

Scenario:	Scenario1
Node:	PR15S105
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9800 ac
Curve Number:	84.5
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B08-ONSITE

Scenario:	Scenario1
Node:	PR15S105
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6400 ac
Curve Number:	86.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B11

Scenario:	Scenario1
Node:	PR15S11
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B29

Scenario:	Scenario1
Node:	EX15S29
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B31

Scenario:	Scenario1
Node:	EX15S31
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B33

Scenario:	Scenario1
Node:	EX15S33
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B35

Scenario:	Scenario1
Node:	EX15S35
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B36

Scenario:	Scenario1
Node:	EX15S36
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.2800 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B40

Scenario:	Scenario1
Node:	EX15S40
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B41

Scenario:	Scenario1
Node:	EX15S41
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.8200 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B43

Scenario:	Scenario1
Node:	EX15S43
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 15B68

Scenario:	Scenario1
Node:	PR15S68
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.5900 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 16B100A

Scenario:	Scenario1
Node:	EX16S100A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.6100 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 16B101

Scenario:	Scenario1
Node:	EX16S101
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0400 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 16B66B

Scenario:	Scenario1
Node:	EX16S66B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3800 ac
Curve Number:	84.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 16B95

Scenario:	Scenario1
Node:	EX16S95
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.1600 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: 16B96

Scenario:	Scenario1
Node:	EX16S96
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.3000 ac
Curve Number:	98.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 14W1

Scenario:	Scenario1
Node:	POND 14W1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1200 ac
Curve Number:	77.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 15E1

Scenario:	Scenario1
Node:	POND 15E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.7100 ac
Curve Number:	57.1
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 15E2

Scenario:	Scenario1
Node:	POND 15E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1300 ac
Curve Number:	66.9
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POND 16E1

Scenario:	Scenario1
Node:	POND 16E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	0.9300 ac
Curve Number:	84.2
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Node: 14GW1

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 3.43 ft
Boundary Stage: 14GW1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	96.0000	1.43

Comment:

Node: 14GW2

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 2.43 ft
Boundary Stage: 14GW2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	96.0000	1.43

Comment:

Node: 14GW3

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 2.43 ft
Boundary Stage: 14GW3

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	96.0000	1.43

Comment: FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: 14GW4

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 2.43 ft
Boundary Stage: 14GW4

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	96.0000	1.43

Comment: FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: 14GW5

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 2.43 ft
Boundary Stage: 14GW5

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	96.0000	1.43

Comment: FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: 15GW1

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 2.43 ft
Boundary Stage: 15GW1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	96.0000	1.43

Comment: FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: 15GW2

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 2.43 ft
Boundary Stage: 15GW2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	96.0000	1.43

Comment:

Node: 15GW3

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 2.43 ft
Boundary Stage: 15GW3

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	96.0000	1.43

Comment: FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: 15GW4

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 2.43 ft
Boundary Stage: 15GW3

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	96.0000	1.43

Comment: FD FOR DRAWDOWN

Node: 16GW1

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 2.43 ft
Boundary Stage: 16GW1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	96.0000	1.43

Comment: FD FOR DRAWDOWN

Node: C-4 CANAL_1

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 2.43 ft
Boundary Stage: C-4 CANAL_1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	300.0000	1.43

Comment: FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: C-4 CANAL_2

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 2.43 ft
Boundary Stage: C-4 CANAL_2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	300.0000	1.43

Comment: FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX14S01

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 7.48 ft

Stage [ft]	Area [ac]	Area [ft2]
1.38	0.0003	13
7.48	0.0003	13
7.49	0.0030	131

Comment: S-01 FROM SR 826/SR 836 INTERCHANGE SECTION 5 SEGMENT 1, FPID NO. 249581-1-52-01

Node: EX14S05

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 8.93 ft

Stage [ft]	Area [ac]	Area [ft2]
1.08	0.0003	13
8.93	0.0003	13
8.94	0.0030	131

Comment: S-05 FROM SR 826/SR 836 INTERCHANGE SECTION 5 SEGMENT 1, FPID NO. 249581-1-52-01

Node: EX14S08

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.53 ft
Warning Stage: 13.49 ft

Stage [ft]	Area [ac]	Area [ft2]
1.53	0.0003	13
13.49	0.0003	13
13.50	0.0030	131

Comment: S-08 FROM SR 826/SR 836 INTERCHANGE SECTION 5 SEGMENT 1, FPID NO. 249581-1-52-01

Node: EX14S15

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.58 ft
Warning Stage: 24.04 ft

Stage [ft]	Area [ac]	Area [ft2]
15.58	0.0003	13
24.04	0.0003	13
24.05	0.0030	131

Comment: S-15 FROM SR 826/SR 836 INTERCHANGE SECTION 5 SEGMENT 1, FPID NO. 249581-1-52-01

Node: EX14S20

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 23.98 ft
Warning Stage: 31.50 ft

Stage [ft]	Area [ac]	Area [ft2]
21.98	0.0003	13
31.50	0.0003	13

Comment: S-20 FROM SR 826/SR 836 INTERCHANGE SECTION 5 SEGMENT 1, FPID NO. 249581-1-52-01

Node: EX14S28

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 22.43 ft
Warning Stage: 26.73 ft

Stage [ft]	Area [ac]	Area [ft2]
22.43	0.0003	13
26.73	0.0003	13
26.74	0.0030	131

Comment: S-28 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX14S30

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.93 ft
Warning Stage: 25.67 ft

Stage [ft]	Area [ac]	Area [ft2]
16.93	0.0003	13
25.67	0.0003	13
25.68	0.0030	131

Comment: S-30 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX14S34

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.83 ft
Warning Stage: 20.44 ft

Stage [ft]	Area [ac]	Area [ft2]
11.83	0.0003	13
20.44	0.0003	13
20.45	0.0030	131

Comment: S-34 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX14S37

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.43 ft
Warning Stage: 12.79 ft

Stage [ft]	Area [ac]	Area [ft2]
7.43	0.0003	13
12.79	0.0003	13
12.80	0.0030	131

Comment: S-37 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX14S39

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.43 ft
Warning Stage: 11.34 ft

Stage [ft]	Area [ac]	Area [ft2]
4.43	0.0003	13
11.34	0.0003	13
11.35	0.0030	131

Comment: S-39 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX15S29

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.83 ft
Warning Stage: 25.38 ft

Stage [ft]	Area [ac]	Area [ft2]
17.83	0.0003	13
25.38	0.0003	13
25.39	0.0030	131

Comment: S-29 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX15S31

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.93 ft
Warning Stage: 26.72 ft

Stage [ft]	Area [ac]	Area [ft2]
17.93	0.0003	13
26.72	0.0003	13
26.73	0.0030	131

Comment: S-31 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX15S33

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.73 ft
Warning Stage: 23.72 ft

Stage [ft]	Area [ac]	Area [ft2]
17.73	0.0003	13
23.72	0.0003	13
23.73	0.0030	131

Comment: S-33 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX15S35

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.43 ft
Warning Stage: 21.93 ft

Stage [ft]	Area [ac]	Area [ft2]
16.43	0.0003	13
21.93	0.0003	13
21.94	0.0030	131

Comment: S-35 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX15S36

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.23 ft
Warning Stage: 19.86 ft

Stage [ft]	Area [ac]	Area [ft2]
16.23	0.0003	13
19.86	0.0003	13
19.87	0.0030	131

Comment: S-36 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX15S40

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.88 ft
Warning Stage: 11.85 ft

Stage [ft]	Area [ac]	Area [ft2]
3.88	0.0003	13
11.85	0.0003	13
11.86	0.0030	131

Comment: S-40 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX15S41

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.43 ft
Warning Stage: 9.24 ft

Stage [ft]	Area [ac]	Area [ft2]
4.43	0.0003	13
9.24	0.0003	13
9.25	0.0030	131

Comment: S-41 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX15S43

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.68 ft
Warning Stage: 8.73 ft

Stage [ft]	Area [ac]	Area [ft2]
4.68	0.0003	13
8.73	0.0003	13
8.74	0.0030	131

Comment: S-43 FROM DRAINAGE REPORT FOR SEGMENT1 SECTION 5 SR826/SR 836 INTERCHANGE

Node: EX15S93

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.47 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.82	0.0014	61
3.23	0.0014	61
3.24	0.0140	610

Comment: COUNTS FOR 2 STRUCTURES.
FROM AS-BUILT PLANS FPID 249649-1-52-01

Node: EX16S100A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 7.89 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.87	0.0003	13
7.89	0.0003	13
7.90	0.0030	131

Comment: FROM AS-BUILT PLANS FPID 249649-1-52-01

Node: EX16S101

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 7.85 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.07	0.0003	13
7.85	0.0003	13
7.86	0.0030	131

Comment: FROM AS-BUILT PLANS FPID 249649-1-52-01

Node: EX16S101A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 8.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.57	0.0003	13
2.43	0.0003	13
2.44	0.0030	131

Comment: FROM AS-BUILT PLANS FPID 249649-1-52-01

Node: EX16S66

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 8.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.54	0.0003	13
2.43	0.0003	13
2.44	0.0030	131

Comment: FROM AS-BUILT PLANS FPID 249649-1-52-01

Node: EX16S66A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 8.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.32	0.0006	24
2.43	0.0006	24
2.44	0.0055	240

Comment:

Node: EX16S66B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.54	0.0003	13
3.43	0.0003	13
3.44	0.0030	131

Comment: FROM AS-BUILT PLANS FPID 249649-1-52-01

Node: EX16S95

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 8.50 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.52	0.0003	13
8.50	0.0003	13
8.51	0.0030	131

Comment: FROM AS-BUILT PLANS FPID 249649-1-52-01

Node: EX16S95A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 8.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.57	0.0003	13
2.43	0.0003	13
2.44	0.0030	131

Comment: FROM AS-BUILT PLANS FPID 249649-1-52-01

Node: EX16S96

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 8.74 ft

Stage [ft]	Area [ac]	Area [ft2]
-10.00	0.0014	61
5.00	0.0014	61
5.01	0.0003	12
8.74	0.0003	12
8.75	0.0028	122

Comment:

Node: EX16S99

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.07	0.0014	61
3.43	0.0014	61
3.44	0.0140	610

Comment: COUNTS FOR 2 STRUCTURES.
FROM AS-BUILT PLANS FPID 249649-1-52-01

Node: POND 14W1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.43	1.5700	68389
2.00	1.6200	70567
3.00	1.7200	74923
3.43	1.7600	76666
4.00	1.8100	78844
5.00	1.9200	83635

Stage [ft]	Area [ac]	Area [ft2]
6.00	2.0100	87556

Comment:

Node: POND 15E1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	1.6300	71003
3.00	1.6700	72745
3.23	1.6900	73616
4.00	1.7400	75794
5.00	1.8000	78408
6.00	1.8700	81457

Comment:

Node: POND 15E2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.4700	20473
3.00	0.5000	21780
3.23	0.5100	22216
4.00	0.5500	23958
5.00	0.6000	26136
6.00	0.6600	28750

Comment:

Node: POND 16E1

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 8.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.3200	13939
4.43	0.3400	14810
6.43	0.3700	16117
8.43	0.4000	17424

Comment: Determined by contours

Node: PR14F-D

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 12.36 ft

Stage [ft]	Area [ac]	Area [ft2]
0.43	0.0003	13
12.36	0.0003	13
12.37	0.0030	131

Comment:

Node: PR14S09

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 12.36 ft

Stage [ft]	Area [ac]	Area [ft2]
0.43	0.0003	13
12.36	0.0003	13
12.37	0.0030	131

Comment:

Node: PR14S101

Scenario: Scenario1

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.00	0.0003	13
10.00	0.0003	13
10.01	0.0030	131

Comment:

Node: PR14S103

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-12.00	0.0059	257
1.43	0.0059	257
3.00	0.0059	257
3.01	0.0005	21
6.00	0.0005	21
6.01	0.0048	209

Comment:

Node: PR14S104

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-12.00	0.0092	402
3.00	0.0092	402
3.01	0.0005	21
5.42	0.0005	21
5.43	0.0048	209

Comment:

Node: PR14S105

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.42 ft

Stage [ft]	Area [ac]	Area [ft2]
-12.00	0.0072	313
3.00	0.0072	313
3.01	0.0005	21
5.42	0.0005	21
5.43	0.0048	209

Comment:

Node: PR14S106

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.42 ft

Stage [ft]	Area [ac]	Area [ft2]
-12.00	0.0084	367
3.00	0.0084	367
3.01	0.0005	21
5.42	0.0005	21
5.43	0.0048	209

Comment:

Node: PR14S107

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.42 ft

Stage [ft]	Area [ac]	Area [ft2]
-12.00	0.0094	410
3.00	0.0094	410
3.01	0.0005	21
5.42	0.0005	21
5.43	0.0048	209

Comment:

Node: PR14S108

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.68 ft

Stage [ft]	Area [ac]	Area [ft2]
-12.00	0.0049	213
3.00	0.0049	213
3.01	0.0005	21
4.68	0.0005	21
4.69	0.0048	209

Comment:

Node: PR14S12

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.30 ft

Stage [ft]	Area [ac]	Area [ft2]
1.43	0.0003	12
5.30	0.0003	12
5.31	0.0027	118

Comment:

Node: PR14S13

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.03 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.0000	0

Stage [ft]	Area [ac]	Area [ft2]
4.55	0.0026	113
5.03	0.0048	209

Comment:

Node: PR14S14

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.68 ft
Warning Stage: 22.71 ft

Stage [ft]	Area [ac]	Area [ft2]
15.68	0.0003	13
22.71	0.0003	13
22.72	0.0030	131

Comment:

Node: PR14S17

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.28 ft
Warning Stage: 22.83 ft

Stage [ft]	Area [ac]	Area [ft2]
17.28	0.0003	13
22.83	0.0003	13
22.84	0.0030	131

Comment:

Node: PR14S19

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.18 ft
Warning Stage: 29.32 ft

Stage [ft]	Area [ac]	Area [ft2]
22.18	0.0003	13
29.32	0.0003	13
29.33	0.0030	131

Comment:

Node: PR14S21

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.08 ft
Warning Stage: 29.08 ft

Stage [ft]	Area [ac]	Area [ft2]
22.08	0.0003	13
29.08	0.0003	13
29.09	0.0030	131

Comment:

Node: PR14S32

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 16.43 ft
Warning Stage: 22.21 ft

Stage [ft]	Area [ac]	Area [ft2]
16.43	0.0003	13
22.21	0.0003	13
22.22	0.0030	131

Comment:

Node: PR14S38A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 10.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0015	65
3.43	0.0015	65
3.44	0.0150	653

Comment: COUNTS FOR 3 CONTROL STRUCTURES

Node: PR14S40

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.30 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.30	0.0003	12
10.00	0.0003	12
10.01	0.0027	118

Comment:

Node: PR14SD2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.68 ft
Warning Stage: 8.73 ft

Stage [ft]	Area [ac]	Area [ft2]
4.68	0.0003	13
8.73	0.0003	13
8.74	0.0030	131

Comment:

Node: PR15S03

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 7.44 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.0003	13
7.44	0.0003	13
7.45	0.0030	131

Comment:

Node: PR15S06

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.23 ft
Warning Stage: 8.20 ft

Stage [ft]	Area [ac]	Area [ft2]
4.23	0.0000	0
8.20	0.0035	152
8.21	0.0064	279

Comment:

Node: PR15S101

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.60	0.0003	13
2.43	0.0003	13
2.44	0.0030	131

Comment:

Node: PR15S102

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.93 ft

Stage [ft]	Area [ac]	Area [ft2]
-12.00	0.0059	257
3.00	0.0059	257
3.01	0.0005	21
4.93	0.0005	21
4.94	0.0048	209

Comment:

Node: PR15S103

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.93 ft

Stage [ft]	Area [ac]	Area [ft2]
-12.00	0.0113	494
3.00	0.0113	494
3.01	0.0005	21
4.93	0.0005	21
4.94	0.0048	209

Comment:

Node: PR15S104

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.42 ft

Stage [ft]	Area [ac]	Area [ft2]
-12.00	0.0107	468
3.00	0.0107	468
3.01	0.0005	21
5.42	0.0005	21
5.43	0.0048	209

Comment:

Node: PR15S105

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.93 ft

Stage [ft]	Area [ac]	Area [ft2]
-12.00	0.0053	231
3.00	0.0053	231
3.01	0.0005	21
4.93	0.0005	21
4.94	0.0048	209

Comment:

Node: PR15S11

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.99 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.99	0.0003	13
10.00	0.0003	13
10.01	0.0030	131

Comment:

Node: PR15S68

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.53 ft
Warning Stage: 7.54 ft

Stage [ft]	Area [ac]	Area [ft2]
3.53	0.0003	13
7.54	0.0003	13
7.55	0.0030	131

Comment:

Node: PR15S68A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-11.57	0.0046	200
1.43	0.0046	200
1.44	0.0005	21
4.23	0.0005	21
4.24	0.0048	209

Comment:

Node: PR16S94

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 8.93 ft

Stage [ft]	Area [ac]	Area [ft2]
-10.00	0.0014	61
5.00	0.0014	61
5.01	0.0003	12
8.93	0.0003	12
8.94	0.0028	122

Comment:

Pipe Link: EX14S01_S05

Scenario: Scenario1
From Node: EX14S01
To Node: EX14S05
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 201.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft

Upstream		Downstream	
Invert:	3.38 ft	Invert:	3.08 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	1.50 ft	Max Depth:	1.50 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX14S05_S08		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.73 ft	Invert:	3.53 ft
From Node:	EX14S05	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX14S08	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	192.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX14S15_S17		Upstream		Downstream	
Scenario:	Scenario1	Invert:	17.58 ft	Invert:	17.28 ft
From Node:	EX14S15	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR14S17	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	95.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX14S20_S15		Upstream		Downstream	
Scenario:	Scenario1	Invert:	23.98 ft	Invert:	19.73 ft
From Node:	EX14S20	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX14S15	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	293.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX14S28_S30		Upstream		Downstream	
Scenario:	Scenario1	Invert:	22.43 ft	Invert:	21.93 ft
From Node:	EX14S28	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX14S30	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	165.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX14S30_S34		Upstream		Downstream	
Scenario:	Scenario1	Invert:	16.43 ft	Invert:	11.83 ft
From Node:	EX14S30	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX14S34	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	170.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX14S34_S37		Upstream		Downstream	
Scenario:	Scenario1	Invert:	11.83 ft	Invert:	7.43 ft
From Node:	EX14S34	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX14S37	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	200.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX14S37_S39		Upstream		Downstream	
Scenario:	Scenario1	Invert:	7.43 ft	Invert:	4.43 ft
From Node:	EX14S37	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX14S39	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	100.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX15S29_S33		Upstream		Downstream	
Scenario:	Scenario1	Invert:	18.08 ft	Invert:	17.73 ft
From Node:	EX15S29	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX15S33	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	112.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX15S31_S29		Upstream		Downstream	
Scenario:	Scenario1	Invert:	17.93 ft	Invert:	17.83 ft
From Node:	EX15S31	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX15S29	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX15S33_S35		Upstream		Downstream	
Scenario:	Scenario1	Invert:	17.73 ft	Invert:	16.43 ft
From Node:	EX15S33	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX15S35	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	115.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX15S35_PND15E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	16.43 ft	Invert:	2.93 ft
From Node:	EX15S35	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 15E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	73.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX15S36_S40		Upstream		Downstream	
Scenario:	Scenario1	Invert:	16.23 ft	Invert:	7.58 ft
From Node:	EX15S36	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX15S40	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	288.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX15S40_PND15E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.88 ft	Invert:	2.43 ft
From Node:	EX15S40	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 15E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	113.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX15S41_S40		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.43 ft	Invert:	3.88 ft
From Node:	EX15S41	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX15S40	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	288.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX15S43_S41		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.68 ft	Invert:	4.43 ft
From Node:	EX15S43	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX15S41	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	118.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX15S93_C-4C2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.32 ft	Invert:	-2.92 ft

From Node:	EX15S93	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	C-4 CANAL_2	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	59.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX15S93_WEIR

Scenario:	Scenario1	Bottom Clip	
From Node:	POND 15E1	Default:	0.00 ft
To Node:	EX15S93	Op Table:	
Link Count:	2	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.23 ft	Discharge Coefficients	
Control Elevation:	3.23 ft	Weir Default:	2.800
Max Depth:	12.00 ft	Weir Table:	
Max Width:	6.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EX16S100A_S101

		Upstream		Downstream	
Scenario:	Scenario1	Invert:	0.13 ft	Invert:	-0.02 ft
From Node:	EX16S100A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX16S101	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	86.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

	Manning's N: 0.0000		Manning's N: 0.0000

Comment:

Weir Link: EX16S101A_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	EX16S101A	Default:	0.00 ft
To Node:	POND 16E1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.43 ft	Discharge Coefficients	
Control Elevation:	2.43 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Max Width:	6.58 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EX16S101_S101A		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.07 ft	Invert:	-3.57 ft
From Node:	EX16S101	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX16S101A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	24.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX16S66A_16GW1	
Scenario:	Scenario1
From Node:	EX16S66A
To Node:	16GW1
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
EX16S66A_16GW1	1.43	POND 16E1	1.43	POND 16E1

Comment:

Weir Link: EX16S66A_WEIR

Scenario:	Scenario1	**Bottom Clip**	
From Node:	POND 16E1	Default:	0.00 ft
To Node:	EX16S66A	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.43 ft	**Discharge Coefficients**	
Control Elevation:	2.43 ft	Weir Default:	2.800
Max Depth:	5.00 ft	Weir Table:	
Max Width:	4.83 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EX16S66B_S66

		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.57 ft	Invert:	-2.57 ft
From Node:	EX16S66B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX16S66	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	5.70 ft	Max Depth:	5.70 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	74.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX16S66_WEIR

Scenario:	Scenario1	**Bottom Clip**	
From Node:	EX16S66	Default:	0.00 ft
To Node:	POND 16E1	Op Table:	

Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.43 ft
Control Elevation:	2.43 ft
Max Depth:	3.00 ft
Max Width:	6.58 ft
Fillet:	0.00 ft

Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: EX16S95A_WEIR

Scenario:	Scenario1
From Node:	EX16S95A
To Node:	POND 16E1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.43 ft
Control Elevation:	2.43 ft
Max Depth:	3.00 ft
Max Width:	6.58 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: EX16S95_S95A

Scenario:	Scenario1
From Node:	EX16S95
To Node:	EX16S95A
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	32.00 ft
FHWA Code:	0
Entr Loss Coef:	0.50
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 ft
Energy Switch:	Energy

Upstream		Downstream	
Invert:	-1.52 ft	Invert:	-3.57 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	4.00 ft	Max Depth:	4.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX16S96_S95		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.93 ft	Invert:	3.83 ft
From Node:	EX16S96	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX16S95	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	80.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX16S99_C-4C2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.57 ft	Invert:	-2.67 ft
From Node:	EX16S99	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	C-4 CANAL_2	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: EX16S99_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	POND 16E1	Default:	0.00 ft
To Node:	EX16S99	Op Table:	
Link Count:	2	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.43 ft	Discharge Coefficients	
Control Elevation:	3.43 ft	Weir Default:	2.800

Max Depth:	3.00 ft		
Max Width:	6.58 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Pipe Link: PND15E2_PND15E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-2.57 ft	Invert:	-2.57 ft
From Node:	POND 15E2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 15E1	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	5.67 ft	Max Depth:	5.67 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: POND15E2_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	PR15S101	Default:	0.00 ft
To Node:	POND 15E2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.43 ft	Discharge Coefficients	
Control Elevation:	2.43 ft	Weir Default:	2.800
Max Depth:	4.00 ft	Weir Table:	
Max Width:	3.08 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: PR12S12_S106		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.43 ft	Invert:	-0.50 ft
From Node:	PR14S12	Manning's N:	0.0120	Manning's N:	0.0120

To Node:	PR14S106	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	26.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR14F-D_S12		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.00 ft	Invert:	2.43 ft
From Node:	PR14F-D	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR14S12	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	38.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR14S08_S09		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.53 ft	Invert:	3.33 ft
From Node:	EX14S08	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR14S09	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	95.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR14S09_S12		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.43 ft	Invert:	2.43 ft
From Node:	PR14S09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR14S12	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	42.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR14S101_PND14W1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.00 ft	Invert:	1.43 ft
From Node:	PR14S101	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 14W1	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR14S103_14GW5	
Scenario:	Scenario1
From Node:	PR14S103
To Node:	14GW5
Link Count:	1

Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR14S104_14GW5	1.43	PR14S103	1.43	PR14S103

Comment:

Pipe Link: PR14S103_PND14W1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.50 ft	Invert:	-4.00 ft
From Node:	PR14S103	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 14W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	170.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR14S104_14GW4

Scenario: Scenario1
From Node: PR14S104
To Node: 14GW4
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR14S105_14GW4	1.43	PR14S104	1.43	PR14S104

Comment:

Rating Curve Link: PR14S104_14GW5

Scenario: Scenario1
From Node: PR14S104
To Node: 14GW5
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR14S104_14GW5	1.43	PR14S104	1.43	PR14S104

Comment:

Pipe Link: PR14S104_S103		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.50 ft	Invert:	-0.50 ft
From Node:	PR14S104	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR14S103	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	380.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: FD TRENCH

Rating Curve Link: PR14S105_14GW3

Scenario: Scenario1
From Node: PR14S105
To Node: 14GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR14S105_14GW3	1.43	PR14S105	1.43	PR14S105

Comment:

Rating Curve Link: PR14S105_14GW4

Scenario: Scenario1
From Node: PR14S105
To Node: 14GW4
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR14S105_14GW4	1.43	PR14S105	1.43	PR14S105

Comment:

Pipe Link: PR14S105_S104		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.50 ft	Invert:	-0.50 ft
From Node:	PR14S105	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR14S104	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	219.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: FD TRENCH

Rating Curve Link: PR14S106_14GW2

Scenario: Scenario1
From Node: PR14S106
To Node: 14GW2
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR14S106_14GW2	1.43	PR14S106	1.43	PR14S106

Comment:

Rating Curve Link: PR14S106_14GW3

Scenario: Scenario1
From Node: PR14S106
To Node: 14GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR14S105_14GW3	1.43	PR14S106	1.43	PR14S106

Comment:

Pipe Link: PR14S106_S105		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.50 ft	Invert:	-0.50 ft
From Node:	PR14S106	Manning's N:	0.0120	Manning's N:	0.0120

To Node:	PR14S105	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	255.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: FD TRENCH

Rating Curve Link: PR14S107_14GW1

Scenario: Scenario1
From Node: PR14S107
To Node: 14GW1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR14S107_14GW1	1.43	PR14S107	1.43	PR14S107

Comment:

Rating Curve Link: PR14S107_14GW2

Scenario: Scenario1
From Node: PR14S107
To Node: 14GW2
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR14S106_14GW2	1.43	PR14S107	1.43	PR14S107

Comment:

Pipe Link: PR14S107_S106		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.50 ft	Invert:	-0.50 ft
From Node:	PR14S107	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR14S106	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	311.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR14S108_14GW1

Scenario: Scenario1
From Node: PR14S108
To Node: 14GW1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR14S107_14GW1	1.43	PR14S108	1.43	PR14S108

Comment:

Pipe Link: PR14S108_S107		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.50 ft	Invert:	-0.50 ft
From Node:	PR14S108	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR14S107	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	316.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR14S13_S107		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.43 ft	Invert:	-0.50 ft
From Node:	PR14S13	Manning's N:	0.0120	Manning's N:	0.0120

To Node:	PR14S107	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	44.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR14S14_S15		Upstream		Downstream	
Scenario:	Scenario1	Invert:	17.68 ft	Invert:	17.58 ft
From Node:	PR14S14	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX14S15	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	96.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR14S17_S13		Upstream		Downstream	
Scenario:	Scenario1	Invert:	17.28 ft	Invert:	2.43 ft
From Node:	PR14S17	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR14S13	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	19.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR14S19_S20		Upstream		Downstream	
Scenario:	Scenario1	Invert:	24.18 ft	Invert:	23.98 ft
From Node:	PR14S19	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX14S20	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	104.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR14S21_S20		Upstream		Downstream	
Scenario:	Scenario1	Invert:	24.08 ft	Invert:	23.98 ft
From Node:	PR14S21	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX14S20	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	123.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR14S32_S30		Upstream		Downstream	
Scenario:	Scenario1	Invert:	17.13 ft	Invert:	16.93 ft
From Node:	PR14S32	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX14S30	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR14S38A_C-4C1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-3.07 ft	Invert:	-3.32 ft
From Node:	PR14S38A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	C-4 CANAL_1	Geometry: Circular		Geometry: Circular	
Link Count:	3	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	160.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: PR14S38A_WEIR			
Scenario:	Scenario1	Bottom Clip	
From Node:	POND 14W1	Default:	0.00 ft
To Node:	PR14S38A	Op Table:	
Link Count:	3	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.00 ft	Discharge Coefficients	
Control Elevation:	2.00 ft	Weir Default:	2.800
Max Depth:	4.50 ft	Weir Table:	
Max Width:	3.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: PR14S39_S40		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.43 ft	Invert:	4.30 ft
From Node:	EX14S39	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR14S40	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	87.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: PR14S40_PND14W1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.30 ft	Invert:	2.93 ft
From Node:	PR14S40	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 14W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	33.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: PR14SD2_S104		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.68 ft	Invert:	-0.50 ft
From Node:	PR14SD2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR14S104	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	39.67 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR15S03_S103		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.00 ft	Invert:	-0.50 ft
From Node:	PR15S03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR15S103	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	51.29 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR15S06_S03		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.23 ft	Invert:	3.00 ft
From Node:	PR15S06	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR15S03	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	254.08 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR15S102_15GW3

Scenario: Scenario1

From Node: PR15S102
To Node: 15GW3
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR15S103_15GW3	1.43	PR15S102	1.43	PR15S102

Comment:

Pipe Link: PR15S102_S101		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.50 ft	Invert:	-0.60 ft
From Node:	PR15S102	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR15S101	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	98.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR15S103_15GW2

Scenario: Scenario1
From Node: PR15S103
To Node: 15GW2
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR15S104_15GW2	1.43	PR15S103	1.43	PR15S103

Comment:

Rating Curve Link: PR15S103_15GW3

Scenario: Scenario1
From Node: PR15S103
To Node: 15GW3
Link Count: 1

Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR15S103_15GW3	1.43	PR15S103	1.43	PR15S103

Comment:

Pipe Link: PR15S103_S102		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.50 ft	Invert:	-0.50 ft
From Node:	PR15S103	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR15S102	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	376.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR15S104_15GW1

Scenario: Scenario1
From Node: PR15S104
To Node: 15GW1
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR15S104_15GW1	1.43	PR15S104	1.43	PR15S104

Comment:

Rating Curve Link: PR15S104_15GW2

Scenario: Scenario1
From Node: PR15S104
To Node: 15GW2
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR15S104_15GW2	1.43	PR15S104	1.43	PR14S104

Comment:

Pipe Link: PR15S104_S103		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.50 ft	Invert:	-0.50 ft
From Node:	PR15S104	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR15S103	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	353.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR15S105_15GW1	
Scenario:	Scenario1
From Node:	PR15S105
To Node:	15GW1
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR15S104_15GW1	1.43	PR15S105	1.43	PR15S105

Comment:

Pipe Link: PR15S105_S104		Upstream		Downstream	
Scenario:	Scenario1	Invert:	-0.50 ft	Invert:	-0.50 ft
From Node:	PR15S105	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR15S104	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	340.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: PR15S11_S104		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.00 ft	Invert:	-0.50 ft
From Node:	PR15S11	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PR15S104	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	42.60 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR15S68A_15GW4

Scenario:	Scenario1
From Node:	PR15S68A
To Node:	15GW4
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR15S68A_15GW4	1.43	PR15S68A	1.43	PR15S68A

Comment:

Weir Link: PR15S68A_WEIR

Scenario:	Scenario1	Bottom Clip	
From Node:	POND 15E1	Default:	0.00 ft
To Node:	PR15S68A	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	

Geometry Type:	Rectangular		
Invert:	2.43 ft	Ref Node:	
Control Elevation:	2.43 ft	**Discharge Coefficients**	
Max Depth:	5.00 ft	Weir Default:	2.800
Max Width:	4.83 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Pipe Link: PR15S68_PND15E1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	3.53 ft	Invert:	2.43 ft
From Node:	PR15S68	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND 15E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	80.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR16S94_16GW1

Scenario:	Scenario1
From Node:	PR16S94
To Node:	16GW1
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR16S94_16GW1	1.43	PR16S94	1.43	PR16S94

Comment:

Pipe Link: PR16S94_S96		Upstream		Downstream	
Scenario:	Scenario1	Invert:	2.00 ft	Invert:	2.00 ft
From Node:	PR16S94	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EX16S96	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	71.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: PR16S96_16GW1

Scenario: Scenario1
From Node: EX16S96
To Node: 16GW1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PR16S94_16GW1	1.43	EX16S96	1.43	EX16S96

Comment:

Rating Curve: EX16S66A_16GW1

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.43	1.43	0.00
1.43	1.43	0.00
1.43	6.43	1.00
2.43	2.43	0.00
2.43	6.43	0.80

Comment:

Rating Curve: PR14S104_14GW5

Scenario: Scenario1
Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.43	1.43	0.00

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.43	3.00	2.33
1.43	6.43	7.84
2.43	2.50	0.00
2.43	3.00	0.94
2.43	6.43	6.72

Comment:

Rating Curve: PR14S105_14GW3

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.43	1.43	0.00
1.43	3.00	1.52
1.43	6.43	5.13
2.43	2.50	0.00
2.43	3.00	0.61
2.43	6.43	4.40

Comment:

Rating Curve: PR14S105_14GW4

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.43	1.43	0.00
1.43	3.00	1.29
1.43	6.43	4.36
2.43	2.50	0.00
2.43	3.00	0.52
2.43	6.43	3.74

Comment:

Rating Curve: PR14S106_14GW2

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.43	1.43	0.00
1.43	3.00	1.78
1.43	6.43	5.99
2.43	2.50	0.00
2.43	3.00	0.72
2.43	6.43	5.14

Comment:

Rating Curve: PR14S107_14GW1

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.43	1.43	0.00
1.43	3.00	1.91
1.43	6.43	6.44
2.43	2.50	0.00
2.43	3.00	0.77
2.43	6.43	5.53

Comment:

Rating Curve: PR15S103_15GW3

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.43	1.43	0.00
1.43	3.00	2.29
1.43	6.43	7.73
2.43	2.50	0.00
2.43	3.00	0.92
2.43	6.43	6.63

Comment:

Rating Curve: PR15S104_15GW1

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.43	1.43	0.00
1.43	3.00	2.06
1.43	6.43	6.96
2.43	2.50	0.00
2.43	3.00	0.83
2.43	6.43	5.97

Comment:

Rating Curve: PR15S104_15GW2

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.43	1.43	0.00
1.43	3.00	2.15
1.43	6.43	7.24
2.43	2.50	0.00
2.43	3.00	0.86
2.43	6.43	6.21

Comment:

Rating Curve: PR15S68A_15GW4

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.43	1.43	0.00
1.43	1.43	0.00
1.43	6.43	3.08
2.43	2.43	0.00
2.43	6.43	2.47

Comment:

Rating Curve: PR16S94_16GW1

Scenario: Scenario1

Type: Family of Curves

Tailwater [ft]	Headwater [ft]	Discharge [cfs]

Tailwater [ft]	Headwater [ft]	Discharge [cfs]
1.43	1.43	0.00
1.43	5.00	1.12
1.43	8.91	2.62
2.43	2.50	0.00
2.43	5.00	0.91
2.43	8.91	2.48

Comment:

Simulation: 100YR-1HR

Scenario: Scenario1
Run Date/Time: 8/10/2019 7:38:21 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:	
Reference ET Folder:	
Unit Hydrograph Folder:	

Lookup Tables

Boundary Stage Set:	
Extern Hydrograph Set:	
Curve Number Set:	CN
Green-Ampt Set:	
Vertical Layers Set:	
Impervious Set:	IMP
Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	5.10 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100YR-24HR

Scenario:	Scenario1
Run Date/Time:	8/10/2019 7:40:41 PM
Program Version:	ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 100YR-24HR
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global

Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	13.44 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100YR-8HR

Scenario: Scenario1
Run Date/Time: 8/10/2019 7:45:08 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 100YR-8HR
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	9.60 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-1HR

Scenario: Scenario1
Run Date/Time: 8/10/2019 7:48:06 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

Year	Month	Day	Hour [hr]

Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
IA Recovery Time: 24.0000 hr
ET for Manual Basins: False

dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.55 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-24HR

Scenario: Scenario1
Run Date/Time: 8/10/2019 7:50:17 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.5000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 10YR-24HR
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	8.88 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10YR-8HR

Scenario: Scenario1
Run Date/Time: 8/10/2019 7:54:55 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 10YR-8HR
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
IA Recovery Time: 24.0000 hr
ET for Manual Basins: False

Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	6.80 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25YR-72HR

Scenario: Scenario1
Run Date/Time: 8/10/2019 7:58:00 PM
Program Version: ICPR4 4.05.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.5000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 25YR-72HR
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~SFWMD-72
Rainfall Amount: 14.50 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
14GW1	100YR-1HR	3.43	1.43	0.0000	12.31	0.00	0
14GW2	100YR-1HR	2.43	1.43	0.0000	11.28	0.00	0
14GW3	100YR-1HR	2.43	1.43	0.0000	8.67	0.00	0
14GW4	100YR-1HR	2.43	1.43	0.0000	6.25	0.00	0
14GW5	100YR-1HR	2.43	1.43	0.0000	8.39	0.00	0
15GW1	100YR-1HR	2.43	1.43	0.0000	6.03	0.00	0
15GW2	100YR-1HR	2.43	1.43	0.0000	6.11	0.00	0
15GW3	100YR-1HR	2.43	1.43	0.0000	6.01	0.00	0
15GW4	100YR-1HR	2.43	1.43	0.0000	1.21	0.00	0
16GW1	100YR-1HR	2.43	1.43	0.0000	2.24	0.00	0
C-4 CANAL_1	100YR-1HR	2.43	1.43	0.0000	80.53	0.42	0
C-4 CANAL_2	100YR-1HR	2.43	1.43	0.0000	25.83	0.00	0
EX14S01	100YR-1HR	7.48	8.93	0.0010	3.61	3.51	163
EX14S05	100YR-1HR	8.93	8.71	0.0010	6.16	6.24	287
EX14S08	100YR-1HR	13.49	8.04	0.0006	11.13	11.17	367
EX14S15	100YR-1HR	24.04	20.44	0.0021	22.61	22.62	389
EX14S20	100YR-1HR	31.50	27.37	0.0028	13.83	13.81	400
EX14S28	100YR-1HR	26.73	23.11	0.0001	2.20	2.19	256
EX14S30	100YR-1HR	25.67	17.77	0.0011	7.93	7.93	172
EX14S34	100YR-1HR	20.44	13.24	0.0011	10.67	10.67	338
EX14S37	100YR-1HR	12.79	8.76	0.0015	10.67	13.52	298
EX14S39	100YR-1HR	11.34	8.05	0.0044	17.83	15.27	199
EX15S29	100YR-1HR	25.38	19.37	0.0004	5.96	5.95	119
EX15S31	100YR-1HR	26.72	19.37	0.0004	0.94	0.95	100
EX15S33	100YR-1HR	23.72	18.92	0.0020	7.60	9.53	183
EX15S35	100YR-1HR	21.93	18.24	0.0025	10.63	8.76	152
EX15S36	100YR-1HR	19.86	16.89	0.0002	2.20	2.19	216
EX15S40	100YR-1HR	11.85	5.89	0.0004	17.86	17.62	577
EX15S41	100YR-1HR	9.24	6.47	0.0003	10.35	10.27	418
EX15S43	100YR-1HR	8.73	6.51	0.0003	4.00	3.98	131
EX15S93	100YR-1HR	4.47	1.46	0.0006	14.55	14.56	100
EX16S100A	100YR-1HR	7.89	3.82	0.0010	4.79	4.67	100
EX16S101	100YR-1HR	7.85	3.78	0.0025	12.82	12.69	101
EX16S101A	100YR-1HR	8.43	3.77	0.0019	12.69	12.56	132
EX16S66	100YR-1HR	8.43	3.75	0.0026	8.85	3.19	364
EX16S66A	100YR-1HR	8.43	3.74	0.0010	0.96	0.46	240
EX16S66B	100YR-1HR	5.43	3.75	0.0030	2.54	8.85	321
EX16S95	100YR-1HR	8.50	3.75	0.0010	1.79	2.44	100
EX16S95A	100YR-1HR	8.43	3.75	0.0010	2.44	1.72	132
EX16S96	100YR-1HR	8.74	4.29	0.0004	2.35	2.38	177
EX16S99	100YR-1HR	4.43	1.48	0.0010	18.86	18.86	100
POND 14W1	100YR-1HR	5.00	2.74	0.0003	92.00	80.53	73840
POND 15E1	100YR-1HR	5.00	3.40	0.0003	45.52	16.73	74327
POND 15E2	100YR-1HR	5.00	3.40	0.0003	22.31	11.98	22613
POND 16E1	100YR-1HR	8.43	3.74	0.0002	22.71	19.32	14511
PR14F-D	100YR-1HR	12.36	7.45	0.0010	6.98	6.81	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR14S09	100YR-1HR	12.36	7.72	0.0010	18.28	18.26	145
PR14S101	100YR-1HR	10.00	8.12	0.0006	9.96	9.95	100
PR14S103	100YR-1HR	6.00	3.50	0.0035	43.03	43.00	898
PR14S104	100YR-1HR	5.43	4.83	0.0035	49.36	46.35	1268
PR14S105	100YR-1HR	5.42	5.27	0.0012	34.43	34.65	994
PR14S106	100YR-1HR	5.42	6.07	0.0019	44.74	44.74	1199
PR14S107	100YR-1HR	5.42	6.22	0.0011	29.64	29.52	1342
PR14S108	100YR-1HR	4.68	6.21	0.0013	6.30	6.15	668
PR14S12	100YR-1HR	5.30	7.18	0.0033	28.32	28.29	120
PR14S13	100YR-1HR	5.03	7.68	0.0058	52.56	29.64	227
PR14S14	100YR-1HR	22.71	20.84	0.0007	6.28	6.24	100
PR14S17	100YR-1HR	22.83	19.16	0.0088	26.28	49.04	126
PR14S19	100YR-1HR	29.32	27.95	0.0009	7.37	7.30	100
PR14S21	100YR-1HR	29.08	27.90	0.0008	6.59	6.52	105
PR14S32	100YR-1HR	22.21	17.87	0.0007	2.37	2.37	100
PR14S38A	100YR-1HR	10.43	1.71	0.0161	80.53	80.53	100
PR14S40	100YR-1HR	10.00	7.49	0.0014	22.38	22.37	131
PR14SD2	100YR-1HR	8.73	6.09	0.0036	11.92	17.06	100
PR15S03	100YR-1HR	7.44	4.41	0.0039	11.21	14.65	238
PR15S06	100YR-1HR	8.20	4.97	0.0005	3.69	3.68	214
PR15S101	100YR-1HR	6.00	3.40	0.0012	18.67	18.63	151
PR15S102	100YR-1HR	4.93	3.41	0.0010	21.44	21.42	937
PR15S103	100YR-1HR	4.93	3.58	0.0052	23.74	23.72	1555
PR15S104	100YR-1HR	5.42	3.65	0.0020	15.06	15.04	1475
PR15S105	100YR-1HR	4.93	3.68	0.0017	9.77	9.76	719
PR15S11	100YR-1HR	10.00	5.19	0.0004	6.35	6.35	100
PR15S68	100YR-1HR	7.54	4.53	0.0003	4.63	4.63	100
PR15S68A	100YR-1HR	5.00	3.40	0.0010	1.28	1.21	200
PR16S94	100YR-1HR	8.93	4.28	0.0010	1.10	0.90	132
14GW1	100YR-24HR	3.43	2.43	0.0001	1.70	0.00	0
14GW2	100YR-24HR	2.43	2.43	0.0001	1.57	0.00	0
14GW3	100YR-24HR	2.43	2.43	0.0001	1.33	0.00	0
14GW4	100YR-24HR	2.43	2.43	0.0001	1.15	0.00	0
14GW5	100YR-24HR	2.43	2.43	0.0001	2.16	0.00	0
15GW1	100YR-24HR	2.43	2.43	0.0001	3.00	0.00	0
15GW2	100YR-24HR	2.43	2.43	0.0001	3.12	0.01	0
15GW3	100YR-24HR	2.43	2.43	0.0001	3.36	0.00	0
15GW4	100YR-24HR	2.43	2.43	0.0001	0.68	0.00	0
16GW1	100YR-24HR	2.43	2.43	0.0001	0.71	0.04	0
C-4 CANAL_1	100YR-24HR	2.43	2.43	0.0001	35.41	0.56	0
C-4 CANAL_2	100YR-24HR	2.43	2.43	0.0001	5.09	0.01	0
EX14S01	100YR-24HR	7.48	4.34	0.0006	0.62	0.62	163
EX14S05	100YR-24HR	8.93	4.33	0.0006	1.11	1.11	285
EX14S08	100YR-24HR	13.49	4.17	0.0002	2.00	2.00	323
EX14S15	100YR-24HR	24.04	18.40	0.0003	3.93	3.93	382
EX14S20	100YR-24HR	31.50	24.68	0.0003	2.41	2.41	394
EX14S28	100YR-24HR	26.73	22.70	0.0001	0.38	0.38	197

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX14S30	100YR-24HR	25.67	16.96	0.0011	1.40	1.40	151
EX14S34	100YR-24HR	20.44	12.39	0.0011	1.87	1.87	282
EX14S37	100YR-24HR	12.79	7.99	0.0003	1.87	1.87	254
EX14S39	100YR-24HR	11.34	5.25	0.0003	2.67	2.67	195
EX15S29	100YR-24HR	25.38	18.49	0.0004	1.05	1.03	112
EX15S31	100YR-24HR	26.72	18.50	0.0003	0.16	0.19	100
EX15S33	100YR-24HR	23.72	18.24	0.0002	1.31	1.31	171
EX15S35	100YR-24HR	21.93	16.98	0.0002	1.53	1.53	143
EX15S36	100YR-24HR	19.86	16.49	0.0001	0.38	0.38	162
EX15S40	100YR-24HR	11.85	4.61	0.0003	3.11	3.11	523
EX15S41	100YR-24HR	9.24	4.98	0.0003	1.80	1.80	379
EX15S43	100YR-24HR	8.73	5.06	0.0002	0.69	0.69	110
EX15S93	100YR-24HR	4.47	2.43	0.0001	0.00	0.00	100
EX16S100A	100YR-24HR	7.89	3.55	0.0008	0.82	1.38	100
EX16S101	100YR-24HR	7.85	3.55	0.0026	2.77	6.43	101
EX16S101A	100YR-24HR	8.43	3.55	0.0019	6.43	2.66	132
EX16S66	100YR-24HR	8.43	3.54	0.0016	5.05	0.98	364
EX16S66A	100YR-24HR	8.43	3.54	0.0010	0.38	0.36	240
EX16S66B	100YR-24HR	5.43	3.54	0.0016	0.85	5.05	321
EX16S95	100YR-24HR	8.50	3.54	0.0003	0.22	0.36	100
EX16S95A	100YR-24HR	8.43	3.54	0.0003	0.36	0.26	132
EX16S96	100YR-24HR	8.74	2.62	0.0001	0.41	0.41	134
EX16S99	100YR-24HR	4.43	2.43	0.0010	3.81	5.09	100
POND 14W1	100YR-24HR	5.00	2.47	0.0003	19.35	67.09	72657
POND 15E1	100YR-24HR	5.00	3.19	0.0000	7.85	5.17	73684
POND 15E2	100YR-24HR	5.00	3.19	0.0000	5.29	4.90	22148
POND 16E1	100YR-24HR	8.43	3.54	0.0001	4.76	4.12	14422
PR14F-D	100YR-24HR	12.36	3.41	0.0010	1.20	1.20	100
PR14S09	100YR-24HR	12.36	3.37	0.0010	3.27	3.27	138
PR14S101	100YR-24HR	10.00	6.58	0.0003	1.72	1.72	100
PR14S103	100YR-24HR	6.00	2.50	0.0035	31.59	19.89	878
PR14S104	100YR-24HR	5.43	2.56	0.0010	18.88	14.34	1268
PR14S105	100YR-24HR	5.42	2.59	0.0010	13.30	10.75	994
PR14S106	100YR-24HR	5.42	2.62	0.0010	10.09	8.88	1189
PR14S107	100YR-24HR	5.42	2.63	0.0010	6.36	5.25	1325
PR14S108	100YR-24HR	4.68	2.63	0.0010	2.14	0.85	668
PR14S12	100YR-24HR	5.30	3.26	0.0015	5.05	5.56	102
PR14S13	100YR-24HR	5.03	3.27	0.0016	5.18	5.69	100
PR14S14	100YR-24HR	22.71	18.44	0.0003	1.08	1.08	100
PR14S17	100YR-24HR	22.83	18.17	0.0003	4.57	4.57	125
PR14S19	100YR-24HR	29.32	24.78	0.0003	1.27	1.27	100
PR14S21	100YR-24HR	29.08	24.76	0.0003	1.14	1.14	105
PR14S32	100YR-24HR	22.21	17.41	0.0002	0.44	0.44	100
PR14S38A	100YR-24HR	10.43	2.44	0.0161	35.52	35.41	100
PR14S40	100YR-24HR	10.00	5.12	0.0004	3.90	3.90	128
PR14SD2	100YR-24HR	8.73	5.32	0.0003	2.05	2.05	100
PR15S03	100YR-24HR	7.44	3.62	0.0006	1.93	2.65	211

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR15S06	100YR-24HR	8.20	4.57	0.0001	0.64	0.64	177
PR15S101	100YR-24HR	6.00	3.17	0.0010	4.90	4.92	151
PR15S102	100YR-24HR	4.93	3.16	0.0011	5.36	5.34	937
PR15S103	100YR-24HR	4.93	3.15	0.0011	5.37	5.46	1555
PR15S104	100YR-24HR	5.42	3.15	0.0009	4.37	3.23	1475
PR15S105	100YR-24HR	4.93	3.14	0.0006	2.10	2.52	719
PR15S11	100YR-24HR	10.00	4.46	0.0003	1.09	1.09	100
PR15S68	100YR-24HR	7.54	3.92	0.0002	0.80	0.80	100
PR15S68A	100YR-24HR	5.00	3.19	0.0001	0.69	0.68	200
PR16S94	100YR-24HR	8.93	2.62	0.0001	0.21	0.20	127
14GW1	100YR-8HR	3.43	2.43	0.0001	5.40	0.00	0
14GW2	100YR-8HR	2.43	2.43	0.0001	4.94	0.00	0
14GW3	100YR-8HR	2.43	2.43	0.0001	3.82	0.00	0
14GW4	100YR-8HR	2.43	2.43	0.0001	2.77	0.00	0
14GW5	100YR-8HR	2.43	2.43	0.0001	3.71	0.04	0
15GW1	100YR-8HR	2.43	2.43	0.0001	4.26	0.00	0
15GW2	100YR-8HR	2.43	2.43	0.0001	4.39	0.02	0
15GW3	100YR-8HR	2.43	2.43	0.0001	4.57	0.00	0
15GW4	100YR-8HR	2.43	2.43	0.0001	0.83	0.00	0
16GW1	100YR-8HR	2.43	2.43	0.0001	1.50	0.02	0
C-4 CANAL_1	100YR-8HR	2.43	2.43	0.0001	56.97	3.38	0
C-4 CANAL_2	100YR-8HR	2.43	2.43	0.0001	38.77	0.01	0
EX14S01	100YR-8HR	7.48	5.03	0.0006	1.87	1.86	163
EX14S05	100YR-8HR	8.93	4.96	0.0008	3.32	3.32	285
EX14S08	100YR-8HR	13.49	4.75	0.0002	5.99	5.98	323
EX14S15	100YR-8HR	24.04	19.31	0.0003	11.80	11.80	388
EX14S20	100YR-8HR	31.50	25.26	0.0003	7.22	7.22	400
EX14S28	100YR-8HR	26.73	22.91	0.0001	1.14	1.14	238
EX14S30	100YR-8HR	25.67	17.38	0.0011	4.23	4.20	171
EX14S34	100YR-8HR	20.44	12.82	0.0011	5.62	5.62	329
EX14S37	100YR-8HR	12.79	8.42	0.0003	5.62	5.62	295
EX14S39	100YR-8HR	11.34	6.00	0.0003	8.01	8.01	199
EX15S29	100YR-8HR	25.38	18.90	0.0005	3.12	3.08	119
EX15S31	100YR-8HR	26.72	18.90	0.0003	0.49	0.53	100
EX15S33	100YR-8HR	23.72	18.63	0.0001	3.93	3.93	183
EX15S35	100YR-8HR	21.93	17.42	0.0001	4.58	4.58	152
EX15S36	100YR-8HR	19.86	16.70	0.0001	1.14	1.14	197
EX15S40	100YR-8HR	11.85	5.20	0.0003	9.33	9.32	574
EX15S41	100YR-8HR	9.24	5.54	0.0002	5.39	5.39	418
EX15S43	100YR-8HR	8.73	5.58	0.0001	2.07	2.07	131
EX15S93	100YR-8HR	4.47	2.43	0.0004	27.50	27.50	100
EX16S100A	100YR-8HR	7.89	3.70	0.0008	2.47	2.55	100
EX16S101	100YR-8HR	7.85	3.68	0.0029	6.77	9.76	101
EX16S101A	100YR-8HR	8.43	3.68	0.0021	9.76	6.92	132
EX16S66	100YR-8HR	8.43	3.67	0.0021	6.28	2.48	364
EX16S66A	100YR-8HR	8.43	3.66	0.0010	0.40	0.35	240
EX16S66B	100YR-8HR	5.43	3.67	0.0020	1.43	6.28	321

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX16S95	100YR-8HR	8.50	3.67	0.0004	0.65	0.93	100
EX16S95A	100YR-8HR	8.43	3.66	0.0004	0.93	0.73	132
EX16S96	100YR-8HR	8.74	3.91	0.0002	1.22	1.29	143
EX16S99	100YR-8HR	4.43	2.43	0.0009	11.92	11.94	100
POND 14W1	100YR-8HR	5.00	2.60	0.0003	58.63	67.09	73215
POND 15E1	100YR-8HR	5.00	3.50	0.0001	32.34	28.33	74586
POND 15E2	100YR-8HR	5.00	3.50	0.0001	11.84	9.75	22825
POND 16E1	100YR-8HR	8.43	3.66	0.0001	13.28	12.23	14475
PR14F-D	100YR-8HR	12.36	4.47	0.0010	3.61	3.60	100
PR14S09	100YR-8HR	12.36	4.55	0.0010	9.79	9.78	145
PR14S101	100YR-8HR	10.00	7.06	0.0002	5.15	5.15	100
PR14S103	100YR-8HR	6.00	2.98	0.0035	31.59	28.73	878
PR14S104	100YR-8HR	5.43	3.57	0.0010	29.09	29.08	1268
PR14S105	100YR-8HR	5.42	3.78	0.0010	21.58	21.58	994
PR14S106	100YR-8HR	5.42	4.09	0.0010	26.10	26.09	1189
PR14S107	100YR-8HR	5.42	4.16	0.0010	15.52	15.68	1325
PR14S108	100YR-8HR	4.68	4.15	0.0010	2.86	2.70	668
PR14S12	100YR-8HR	5.30	4.40	0.0020	15.12	15.11	104
PR14S13	100YR-8HR	5.03	4.56	0.0021	15.53	15.52	132
PR14S14	100YR-8HR	22.71	19.42	0.0002	3.24	3.24	100
PR14S17	100YR-8HR	22.83	18.91	0.0003	13.70	13.70	126
PR14S19	100YR-8HR	29.32	25.42	0.0002	3.81	3.81	100
PR14S21	100YR-8HR	29.08	25.41	0.0002	3.41	3.41	105
PR14S32	100YR-8HR	22.21	17.62	0.0003	1.32	1.35	100
PR14S38A	100YR-8HR	10.43	2.43	0.0161	56.97	56.97	100
PR14S40	100YR-8HR	10.00	5.78	0.0003	11.70	11.70	131
PR14SD2	100YR-8HR	8.73	5.84	0.0002	6.16	6.16	100
PR15S03	100YR-8HR	7.44	4.02	0.0010	5.80	6.92	238
PR15S06	100YR-8HR	8.20	4.85	0.0001	1.91	1.91	210
PR15S101	100YR-8HR	6.00	3.53	0.0015	8.51	8.49	151
PR15S102	100YR-8HR	4.93	3.55	0.0013	10.75	10.74	937
PR15S103	100YR-8HR	4.93	3.60	0.0011	12.56	12.55	1555
PR15S104	100YR-8HR	5.42	3.62	0.0010	8.75	8.74	1475
PR15S105	100YR-8HR	4.93	3.63	0.0010	6.17	6.16	719
PR15S11	100YR-8HR	10.00	4.82	0.0002	3.28	3.28	100
PR15S68	100YR-8HR	7.54	4.22	0.0001	2.39	2.39	100
PR15S68A	100YR-8HR	5.00	3.49	0.0009	0.84	0.83	200
PR16S94	100YR-8HR	8.93	3.91	0.0002	0.69	0.60	132
14GW1	10YR-1HR	3.43	1.43	0.0000	7.57	0.00	0
14GW2	10YR-1HR	2.43	1.43	0.0000	6.94	0.00	0
14GW3	10YR-1HR	2.43	1.43	0.0000	5.41	0.00	0
14GW4	10YR-1HR	2.43	1.43	0.0000	3.98	0.00	0
14GW5	10YR-1HR	2.43	1.43	0.0000	5.58	0.00	0
15GW1	10YR-1HR	2.43	1.43	0.0000	4.34	0.00	0
15GW2	10YR-1HR	2.43	1.43	0.0000	4.47	0.00	0
15GW3	10YR-1HR	2.43	1.43	0.0000	4.61	0.00	0
15GW4	10YR-1HR	2.43	1.43	0.0000	0.99	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
16GW1	10YR-1HR	2.43	1.43	0.0000	1.88	0.00	0
C-4 CANAL_1	10YR-1HR	2.43	1.43	0.0000	52.21	0.15	0
C-4 CANAL_2	10YR-1HR	2.43	1.43	0.0000	8.99	0.00	0
EX14S01	10YR-1HR	7.48	5.74	0.0010	2.48	2.43	163
EX14S05	10YR-1HR	8.93	5.63	0.0010	4.34	4.34	287
EX14S08	10YR-1HR	13.49	5.29	0.0006	7.83	7.82	368
EX14S15	10YR-1HR	24.04	19.73	0.0020	18.20	15.29	389
EX14S20	10YR-1HR	31.50	25.74	0.0022	9.35	12.43	400
EX14S28	10YR-1HR	26.73	22.98	0.0001	1.51	1.51	247
EX14S30	10YR-1HR	25.67	17.51	0.0011	5.38	5.38	172
EX14S34	10YR-1HR	20.44	12.96	0.0011	7.26	7.26	336
EX14S37	10YR-1HR	12.79	8.56	0.0003	7.26	7.25	298
EX14S39	10YR-1HR	11.34	6.31	0.0005	10.42	10.42	199
EX15S29	10YR-1HR	25.38	19.09	0.0004	4.12	4.09	119
EX15S31	10YR-1HR	26.72	19.09	0.0004	0.65	0.67	100
EX15S33	10YR-1HR	23.72	18.79	0.0003	5.22	5.22	183
EX15S35	10YR-1HR	21.93	17.58	0.0002	6.08	6.08	152
EX15S36	10YR-1HR	19.86	16.78	0.0002	1.51	1.51	206
EX15S40	10YR-1HR	11.85	5.41	0.0003	12.36	12.34	576
EX15S41	10YR-1HR	9.24	5.78	0.0003	7.16	7.14	418
EX15S43	10YR-1HR	8.73	5.82	0.0003	2.75	2.74	131
EX15S93	10YR-1HR	4.47	1.43	0.0000	0.00	0.00	100
EX16S100A	10YR-1HR	7.89	3.65	0.0009	3.29	3.20	100
EX16S101	10YR-1HR	7.85	3.64	0.0026	8.81	10.02	101
EX16S101A	10YR-1HR	8.43	3.64	0.0019	10.02	8.61	132
EX16S66	10YR-1HR	8.43	3.63	0.0018	5.11	1.80	364
EX16S66A	10YR-1HR	8.43	3.62	0.0010	0.89	0.44	240
EX16S66B	10YR-1HR	5.43	3.63	0.0022	1.65	5.11	321
EX16S95	10YR-1HR	8.50	3.63	0.0010	0.86	1.82	100
EX16S95A	10YR-1HR	8.43	3.62	0.0010	1.82	0.69	132
EX16S96	10YR-1HR	8.74	3.78	0.0005	1.62	1.51	164
EX16S99	10YR-1HR	4.43	1.44	0.0010	8.97	8.99	100
POND 14W1	10YR-1HR	5.00	2.56	0.0003	61.87	67.09	73032
POND 15E1	10YR-1HR	5.00	3.05	0.0002	27.65	8.41	73118
POND 15E2	10YR-1HR	5.00	3.04	0.0002	12.30	9.78	21866
POND 16E1	10YR-1HR	8.43	3.62	0.0002	14.11	9.41	14458
PR14F-D	10YR-1HR	12.36	5.01	0.0010	4.80	4.73	100
PR14S09	10YR-1HR	12.36	5.15	0.0010	12.82	12.80	145
PR14S101	10YR-1HR	10.00	7.25	0.0004	6.85	6.85	100
PR14S103	10YR-1HR	6.00	2.93	0.0035	31.59	31.10	898
PR14S104	10YR-1HR	5.43	3.65	0.0010	33.62	33.59	1268
PR14S105	10YR-1HR	5.42	3.91	0.0010	25.29	25.28	994
PR14S106	10YR-1HR	5.42	4.34	0.0014	31.66	31.64	1199
PR14S107	10YR-1HR	5.42	4.42	0.0010	20.11	20.07	1342
PR14S108	10YR-1HR	4.68	4.42	0.0010	3.83	3.78	668
PR14S12	10YR-1HR	5.30	4.88	0.0034	19.81	19.79	105
PR14S13	10YR-1HR	5.03	5.10	0.0042	34.01	20.11	227

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR14S14	10YR-1HR	22.71	19.93	0.0005	4.31	4.32	100
PR14S17	10YR-1HR	22.83	19.16	0.0081	17.82	31.63	126
PR14S19	10YR-1HR	29.32	26.00	0.0004	5.07	4.94	100
PR14S21	10YR-1HR	29.08	25.97	0.0004	4.53	4.41	105
PR14S32	10YR-1HR	22.21	17.66	0.0007	1.56	1.56	100
PR14S38A	10YR-1HR	10.43	1.55	0.0161	52.20	52.21	100
PR14S40	10YR-1HR	10.00	6.04	0.0004	15.31	15.30	131
PR14SD2	10YR-1HR	8.73	6.05	0.0006	8.20	8.19	100
PR15S03	10YR-1HR	7.44	4.32	0.0026	7.74	12.17	238
PR15S06	10YR-1HR	8.20	4.88	0.0005	2.53	2.87	214
PR15S101	10YR-1HR	6.00	3.01	0.0010	10.75	10.72	151
PR15S102	10YR-1HR	4.93	3.01	0.0009	13.45	12.96	937
PR15S103	10YR-1HR	4.93	3.05	0.0029	19.03	15.88	1555
PR15S104	10YR-1HR	5.42	3.07	0.0012	9.22	9.25	1475
PR15S105	10YR-1HR	4.93	3.08	0.0010	5.93	5.93	719
PR15S11	10YR-1HR	10.00	4.97	0.0002	4.37	4.37	100
PR15S68	10YR-1HR	7.54	4.33	0.0002	3.18	3.18	100
PR15S68A	10YR-1HR	5.00	3.04	0.0009	1.00	0.99	200
PR16S94	10YR-1HR	8.93	3.78	0.0009	0.81	0.74	132
14GW1	10YR-24HR	3.43	2.43	0.0001	1.64	0.00	0
14GW2	10YR-24HR	2.43	2.43	0.0001	1.53	0.00	0
14GW3	10YR-24HR	2.43	2.43	0.0001	1.33	0.00	0
14GW4	10YR-24HR	2.43	2.43	0.0001	1.15	0.00	0
14GW5	10YR-24HR	2.43	2.43	0.0001	2.16	0.00	0
15GW1	10YR-24HR	2.43	2.43	0.0001	2.02	0.00	0
15GW2	10YR-24HR	2.43	2.43	0.0001	2.10	0.01	0
15GW3	10YR-24HR	2.43	2.43	0.0001	2.25	0.00	0
15GW4	10YR-24HR	2.43	2.43	0.0001	0.55	0.00	0
16GW1	10YR-24HR	2.43	2.43	0.0001	0.57	0.07	0
C-4 CANAL_1	10YR-24HR	2.43	2.43	0.0001	35.41	0.85	0
C-4 CANAL_2	10YR-24HR	2.43	2.43	0.0001	3.39	0.01	0
EX14S01	10YR-24HR	7.48	4.21	0.0005	0.41	0.41	163
EX14S05	10YR-24HR	8.93	4.20	0.0008	0.73	0.73	285
EX14S08	10YR-24HR	13.49	4.04	0.0001	1.32	1.32	308
EX14S15	10YR-24HR	24.04	18.22	0.0003	2.60	2.60	364
EX14S20	10YR-24HR	31.50	24.54	0.0002	1.59	1.59	377
EX14S28	10YR-24HR	26.73	22.65	0.0001	0.25	0.25	183
EX14S30	10YR-24HR	25.67	16.93	0.0055	0.92	1.26	113
EX14S34	10YR-24HR	20.44	12.28	0.0050	1.26	1.23	261
EX14S37	10YR-24HR	12.79	7.88	0.0006	1.23	1.23	236
EX14S39	10YR-24HR	11.34	5.08	0.0004	1.76	1.76	185
EX15S29	10YR-24HR	25.38	18.41	0.0004	0.70	0.68	113
EX15S31	10YR-24HR	26.72	18.41	0.0003	0.11	0.13	113
EX15S33	10YR-24HR	23.72	18.14	0.0002	0.87	0.87	161
EX15S35	10YR-24HR	21.93	16.87	0.0002	1.01	1.01	135
EX15S36	10YR-24HR	19.86	16.44	0.0001	0.25	0.25	149
EX15S40	10YR-24HR	11.85	4.47	0.0002	2.05	2.05	489

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX15S41	10YR-24HR	9.24	4.87	0.0002	1.19	1.19	352
EX15S43	10YR-24HR	8.73	4.97	0.0001	0.45	0.45	113
EX15S93	10YR-24HR	4.47	2.43	0.0001	0.00	0.00	113
EX16S100A	10YR-24HR	7.89	3.52	0.0026	0.55	1.94	113
EX16S101	10YR-24HR	7.85	3.52	0.0093	2.86	6.14	113
EX16S101A	10YR-24HR	8.43	3.52	0.0071	6.14	3.29	132
EX16S66	10YR-24HR	8.43	3.55	0.0437	25.16	16.32	364
EX16S66A	10YR-24HR	8.43	3.51	0.0010	0.39	0.34	240
EX16S66B	10YR-24HR	5.43	3.55	0.0447	16.40	25.16	321
EX16S95	10YR-24HR	8.50	3.51	0.0007	0.14	0.56	113
EX16S95A	10YR-24HR	8.43	3.51	0.0009	0.56	0.32	132
EX16S96	10YR-24HR	8.74	2.57	0.0002	0.27	0.26	130
EX16S99	10YR-24HR	4.43	2.43	0.0016	2.37	3.39	113
POND 14W1	10YR-24HR	5.00	2.45	0.0005	11.47	67.08	72562
POND 15E1	10YR-24HR	5.00	2.80	0.0000	4.78	3.61	72300
POND 15E2	10YR-24HR	5.00	2.80	0.0000	3.63	2.98	21324
POND 16E1	10YR-24HR	8.43	3.51	0.0002	15.68	9.04	14409
PR14F-D	10YR-24HR	12.36	3.33	0.0010	0.79	0.79	113
PR14S09	10YR-24HR	12.36	3.25	0.0011	2.16	2.35	113
PR14S101	10YR-24HR	10.00	6.47	0.0002	1.13	1.13	113
PR14S103	10YR-24HR	6.00	2.45	0.0164	31.59	19.95	878
PR14S104	10YR-24HR	5.43	2.46	0.0034	18.94	14.36	1268
PR14S105	10YR-24HR	5.42	2.47	0.0020	13.33	10.78	994
PR14S106	10YR-24HR	5.42	2.47	0.0015	10.12	7.03	1189
PR14S107	10YR-24HR	5.42	2.48	0.0015	6.38	4.25	1325
PR14S108	10YR-24HR	4.68	2.47	0.0015	2.15	0.82	668
PR14S12	10YR-24HR	5.30	3.18	0.0052	3.50	4.47	113
PR14S13	10YR-24HR	5.03	3.19	0.0053	3.42	4.57	113
PR14S14	10YR-24HR	22.71	18.26	0.0002	0.71	0.71	113
PR14S17	10YR-24HR	22.83	18.00	0.0003	3.01	3.01	120
PR14S19	10YR-24HR	29.32	24.65	0.0002	0.84	0.84	113
PR14S21	10YR-24HR	29.08	24.62	0.0002	0.75	0.75	113
PR14S32	10YR-24HR	22.21	17.35	0.0002	0.29	0.29	113
PR14S38A	10YR-24HR	10.43	2.44	0.0261	35.50	35.41	113
PR14S40	10YR-24HR	10.00	4.96	0.0004	2.57	2.57	122
PR14SD2	10YR-24HR	8.73	5.20	0.0002	1.36	1.36	113
PR15S03	10YR-24HR	7.44	3.50	0.0002	1.28	1.28	204
PR15S06	10YR-24HR	8.20	4.50	0.0001	0.42	0.42	162
PR15S101	10YR-24HR	6.00	2.78	0.0043	2.98	3.67	151
PR15S102	10YR-24HR	4.93	2.77	0.0028	4.07	3.39	937
PR15S103	10YR-24HR	4.93	2.77	0.0005	3.54	3.57	1555
PR15S104	10YR-24HR	5.42	2.77	0.0002	2.21	2.06	1475
PR15S105	10YR-24HR	4.93	2.77	0.0001	1.33	1.38	719
PR15S11	10YR-24HR	10.00	4.37	0.0002	0.72	0.72	113
PR15S68	10YR-24HR	7.54	3.84	0.0001	0.53	0.53	113
PR15S68A	10YR-24HR	5.00	2.80	0.0001	0.55	0.55	200
PR16S94	10YR-24HR	8.93	2.57	0.0003	0.13	0.13	125

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
14GW1	10YR-8HR	3.43	2.43	0.0001	3.30	0.07	0
14GW2	10YR-8HR	2.43	2.43	0.0001	3.03	0.07	0
14GW3	10YR-8HR	2.43	2.43	0.0001	2.37	0.00	0
14GW4	10YR-8HR	2.43	2.43	0.0001	1.74	0.00	0
14GW5	10YR-8HR	2.43	2.43	0.0001	2.43	0.10	0
15GW1	10YR-8HR	2.43	2.43	0.0001	3.21	0.00	0
15GW2	10YR-8HR	2.43	2.43	0.0001	3.33	0.02	0
15GW3	10YR-8HR	2.43	2.43	0.0001	3.55	0.00	0
15GW4	10YR-8HR	2.43	2.43	0.0001	0.69	0.00	0
16GW1	10YR-8HR	2.43	2.43	0.0001	1.13	0.03	0
C-4 CANAL_1	10YR-8HR	2.43	2.43	0.0001	40.65	3.24	0
C-4 CANAL_2	10YR-8HR	2.43	2.43	0.0001	9.93	0.01	0
EX14S01	10YR-8HR	7.48	4.70	0.0006	1.32	1.32	163
EX14S05	10YR-8HR	8.93	4.67	0.0007	2.35	2.35	285
EX14S08	10YR-8HR	13.49	4.48	0.0002	4.25	4.25	323
EX14S15	10YR-8HR	24.04	18.93	0.0003	8.35	8.35	388
EX14S20	10YR-8HR	31.50	25.03	0.0004	5.11	5.11	400
EX14S28	10YR-8HR	26.73	22.83	0.0001	0.80	0.80	225
EX14S30	10YR-8HR	25.67	17.21	0.0011	2.96	2.96	166
EX14S34	10YR-8HR	20.44	12.66	0.0011	3.96	3.96	316
EX14S37	10YR-8HR	12.79	8.26	0.0003	3.96	3.96	284
EX14S39	10YR-8HR	11.34	5.69	0.0003	5.65	5.65	199
EX15S29	10YR-8HR	25.38	18.73	0.0005	2.21	2.18	119
EX15S31	10YR-8HR	26.72	18.74	0.0003	0.34	0.39	100
EX15S33	10YR-8HR	23.72	18.48	0.0002	2.78	2.78	183
EX15S35	10YR-8HR	21.93	17.24	0.0002	3.24	3.24	152
EX15S36	10YR-8HR	19.86	16.63	0.0002	0.80	0.80	186
EX15S40	10YR-8HR	11.85	4.96	0.0003	6.60	6.60	569
EX15S41	10YR-8HR	9.24	5.30	0.0002	3.82	3.81	416
EX15S43	10YR-8HR	8.73	5.35	0.0002	1.46	1.46	126
EX15S93	10YR-8HR	4.47	2.43	0.0007	5.02	5.16	100
EX16S100A	10YR-8HR	7.89	3.63	0.0010	1.75	1.96	100
EX16S101	10YR-8HR	7.85	3.63	0.0029	4.93	8.55	101
EX16S101A	10YR-8HR	8.43	3.62	0.0022	8.55	5.10	132
EX16S66	10YR-8HR	8.43	3.61	0.0015	4.38	1.54	364
EX16S66A	10YR-8HR	8.43	3.61	0.0010	0.41	0.33	240
EX16S66B	10YR-8HR	5.43	3.61	0.0020	0.96	4.38	321
EX16S95	10YR-8HR	8.50	3.61	0.0003	0.46	0.61	100
EX16S95A	10YR-8HR	8.43	3.61	0.0003	0.61	0.51	132
EX16S96	10YR-8HR	8.74	3.39	0.0002	0.86	0.90	139
EX16S99	10YR-8HR	4.43	2.43	0.0011	8.16	8.18	100
POND 14W1	10YR-8HR	5.00	2.47	0.0003	41.98	67.09	72660
POND 15E1	10YR-8HR	5.00	3.32	0.0001	17.06	7.57	74072
POND 15E2	10YR-8HR	5.00	3.31	0.0001	7.49	5.33	22410
POND 16E1	10YR-8HR	8.43	3.61	0.0001	9.37	8.46	14453
PR14F-D	10YR-8HR	12.36	3.63	0.0010	2.55	2.56	100
PR14S09	10YR-8HR	12.36	3.82	0.0010	6.94	6.94	145

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR14S101	10YR-8HR	10.00	6.86	0.0003	3.64	3.64	100
PR14S103	10YR-8HR	6.00	2.69	0.0035	31.59	21.70	878
PR14S104	10YR-8HR	5.43	3.04	0.0010	21.81	21.81	1268
PR14S105	10YR-8HR	5.42	3.16	0.0010	16.33	16.33	994
PR14S106	10YR-8HR	5.42	3.34	0.0010	19.10	19.09	1189
PR14S107	10YR-8HR	5.42	3.38	0.0010	10.98	11.15	1325
PR14S108	10YR-8HR	4.68	3.38	0.0010	2.14	1.65	668
PR14S12	10YR-8HR	5.30	3.60	0.0022	10.73	10.73	103
PR14S13	10YR-8HR	5.03	3.62	0.0022	10.99	10.98	101
PR14S14	10YR-8HR	22.71	18.98	0.0003	2.30	2.30	100
PR14S17	10YR-8HR	22.83	18.62	0.0004	9.70	9.69	126
PR14S19	10YR-8HR	29.32	25.16	0.0003	2.70	2.70	100
PR14S21	10YR-8HR	29.08	25.14	0.0003	2.41	2.41	105
PR14S32	10YR-8HR	22.21	17.53	0.0002	0.92	0.92	100
PR14S38A	10YR-8HR	10.43	2.43	0.0161	40.64	40.65	100
PR14S40	10YR-8HR	10.00	5.53	0.0003	8.27	8.27	131
PR14SD2	10YR-8HR	8.73	5.65	0.0003	4.36	4.36	100
PR15S03	10YR-8HR	7.44	3.91	0.0008	4.10	5.53	218
PR15S06	10YR-8HR	8.20	4.75	0.0002	1.35	1.35	200
PR15S101	10YR-8HR	6.00	3.30	0.0019	5.85	5.89	151
PR15S102	10YR-8HR	4.93	3.30	0.0012	7.48	7.36	937
PR15S103	10YR-8HR	4.93	3.30	0.0010	9.68	8.89	1555
PR15S104	10YR-8HR	5.42	3.29	0.0010	5.86	5.84	1474
PR15S105	10YR-8HR	4.93	3.30	0.0010	4.16	4.14	719
PR15S11	10YR-8HR	10.00	4.68	0.0003	2.32	2.32	100
PR15S68	10YR-8HR	7.54	4.11	0.0002	1.69	1.69	100
PR15S68A	10YR-8HR	5.00	3.31	0.0002	0.70	0.69	200
PR16S94	10YR-8HR	8.93	3.39	0.0002	0.49	0.42	132
14GW1	25YR-72HR	3.43	2.43	0.0001	9.95	0.17	0
14GW2	25YR-72HR	2.43	2.43	0.0001	9.11	0.17	0
14GW3	25YR-72HR	2.43	2.43	0.0001	7.00	0.00	0
14GW4	25YR-72HR	2.43	2.43	0.0001	5.04	0.00	0
14GW5	25YR-72HR	2.43	2.43	0.0001	6.61	0.12	0
15GW1	25YR-72HR	2.43	2.43	0.0001	5.43	0.00	0
15GW2	25YR-72HR	2.43	2.43	0.0001	5.47	0.01	0
15GW3	25YR-72HR	2.43	2.43	0.0001	5.31	0.00	0
15GW4	25YR-72HR	2.43	2.43	0.0001	0.84	0.00	0
16GW1	25YR-72HR	2.43	2.43	0.0001	1.73	0.10	0
C-4 CANAL_1	25YR-72HR	2.43	2.43	0.0001	78.95	12.29	0
C-4 CANAL_2	25YR-72HR	2.43	2.43	0.0001	56.17	0.00	0
EX14S01	25YR-72HR	7.48	7.70	0.0024	2.95	2.92	163
EX14S05	25YR-72HR	8.93	7.55	0.0023	5.10	5.22	285
EX14S08	25YR-72HR	13.49	7.09	0.0021	9.21	9.25	323
EX14S15	25YR-72HR	24.04	20.00	0.0042	18.52	18.70	389
EX14S20	25YR-72HR	31.50	26.50	0.0066	11.32	12.80	400
EX14S28	25YR-72HR	26.73	23.04	0.0002	1.79	1.79	252
EX14S30	25YR-72HR	25.67	17.65	0.0055	6.65	6.64	172

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX14S34	25YR-72HR	20.44	13.11	0.0050	8.88	8.88	338
EX14S37	25YR-72HR	12.79	8.71	0.0006	8.88	8.88	298
EX14S39	25YR-72HR	11.34	7.16	0.0038	12.64	12.61	199
EX15S29	25YR-72HR	25.38	19.22	0.0005	4.88	4.86	119
EX15S31	25YR-72HR	26.72	19.23	0.0005	0.77	0.78	113
EX15S33	25YR-72HR	23.72	18.89	0.0006	6.21	6.20	183
EX15S35	25YR-72HR	21.93	17.71	0.0008	7.23	7.23	152
EX15S36	25YR-72HR	19.86	16.83	0.0004	1.79	1.79	211
EX15S40	25YR-72HR	11.85	5.58	0.0007	14.68	14.67	576
EX15S41	25YR-72HR	9.24	5.99	0.0006	8.51	8.48	418
EX15S43	25YR-72HR	8.73	6.02	0.0005	3.27	3.25	131
EX15S93	25YR-72HR	4.47	2.66	0.0016	40.19	40.19	113
EX16S100A	25YR-72HR	7.89	3.82	0.0061	3.91	3.91	113
EX16S101	25YR-72HR	7.85	3.79	0.0162	10.58	11.33	113
EX16S101A	25YR-72HR	8.43	3.78	0.0111	11.33	10.58	132
EX16S66	25YR-72HR	8.43	3.75	0.0524	28.75	21.21	364
EX16S66A	25YR-72HR	8.43	3.75	0.0002	0.43	0.33	240
EX16S66B	25YR-72HR	5.43	3.76	0.0486	20.14	27.93	321
EX16S95	25YR-72HR	8.50	3.76	0.0070	1.51	6.01	113
EX16S95A	25YR-72HR	8.43	3.76	0.0064	6.01	3.20	132
EX16S96	25YR-72HR	8.74	4.27	0.0010	1.92	1.96	175
EX16S99	25YR-72HR	4.43	2.48	0.0016	19.55	19.55	113
POND 14W1	25YR-72HR	5.00	2.95	0.0005	88.95	78.95	74740
POND 15E1	25YR-72HR	5.00	3.57	0.0003	54.76	41.03	74803
POND 15E2	25YR-72HR	5.00	3.57	0.0003	25.59	16.71	22999
POND 16E1	25YR-72HR	8.43	3.75	0.0003	21.41	19.86	14515
PR14F-D	25YR-72HR	12.36	6.68	0.0021	5.71	5.61	113
PR14S09	25YR-72HR	12.36	6.87	0.0020	15.11	15.09	145
PR14S101	25YR-72HR	10.00	7.36	0.0010	8.14	8.14	113
PR14S103	25YR-72HR	6.00	3.66	0.0164	40.40	40.21	877
PR14S104	25YR-72HR	5.43	4.76	0.0163	45.32	41.49	1268
PR14S105	25YR-72HR	5.42	5.12	0.0046	30.68	31.13	994
PR14S106	25YR-72HR	5.42	5.75	0.0039	38.67	38.75	1189
PR14S107	25YR-72HR	5.42	5.86	0.0031	24.58	24.41	1325
PR14S108	25YR-72HR	4.68	5.85	0.0030	5.22	4.97	668
PR14S12	25YR-72HR	5.30	6.50	0.0037	23.39	23.37	120
PR14S13	25YR-72HR	5.03	6.87	0.0262	47.48	24.58	227
PR14S14	25YR-72HR	22.71	20.27	0.0020	5.13	5.11	113
PR14S17	25YR-72HR	22.83	19.16	0.0485	21.70	44.79	126
PR14S19	25YR-72HR	29.32	26.89	0.0035	6.03	5.98	113
PR14S21	25YR-72HR	29.08	26.85	0.0032	5.38	5.34	113
PR14S32	25YR-72HR	22.21	17.78	0.0006	2.10	2.10	113
PR14S38A	25YR-72HR	10.43	2.69	0.0261	78.95	78.95	113
PR14S40	25YR-72HR	10.00	6.78	0.0040	18.39	18.38	131
PR14SD2	25YR-72HR	8.73	6.09	0.0200	9.74	14.56	113
PR15S03	25YR-72HR	7.44	4.53	0.0044	9.11	9.08	238
PR15S06	25YR-72HR	8.20	4.96	0.0017	3.01	2.98	214

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PR15S101	25YR-72HR	6.00	3.63	0.0049	19.42	19.36	151
PR15S102	25YR-72HR	4.93	3.73	0.0030	21.87	21.81	937
PR15S103	25YR-72HR	4.93	3.97	0.0058	22.97	22.79	1555
PR15S104	25YR-72HR	5.42	4.04	0.0062	16.93	15.69	1475
PR15S105	25YR-72HR	4.93	4.08	0.0032	10.12	10.17	719
PR15S11	25YR-72HR	10.00	5.06	0.0095	5.19	7.37	113
PR15S68	25YR-72HR	7.54	4.41	0.0058	3.78	4.75	113
PR15S68A	25YR-72HR	5.00	3.57	0.0003	0.86	0.84	200
PR16S94	25YR-72HR	8.93	4.27	0.0010	0.87	0.71	132

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX14S01_S05	100YR-1HR	3.51	0.00	0.00	1.98	1.98	1.98
EX14S05_S08	100YR-1HR	6.24	-0.24	0.02	3.53	3.53	3.53
EX14S15_S17	100YR-1HR	22.62	0.00	0.11	7.20	7.41	7.30
EX14S20_S15	100YR-1HR	13.81	0.00	-2.76	7.82	10.67	9.22
EX14S28_S30	100YR-1HR	2.19	0.00	-0.01	2.80	3.68	3.24
EX14S30_S34	100YR-1HR	7.93	0.00	0.07	5.76	10.15	7.96
EX14S34_S37	100YR-1HR	10.67	0.00	-0.07	5.58	10.05	7.82
EX14S37_S39	100YR-1HR	13.52	0.00	3.60	6.13	4.30	5.22
EX15S29_S33	100YR-1HR	5.95	0.00	0.01	3.69	4.42	4.06
EX15S31_S29	100YR-1HR	0.95	-0.17	0.02	-0.61	-1.75	-1.16
EX15S33_S35	100YR-1HR	9.53	0.00	2.36	6.33	5.85	6.09
EX15S35_PND15E1	100YR-1HR	8.76	0.00	-0.08	5.99	20.95	13.41
EX15S36_S40	100YR-1HR	2.19	0.00	0.02	3.65	7.36	5.51
EX15S40_PND15E1	100YR-1HR	17.62	0.00	0.13	6.91	9.36	8.13
EX15S41_S40	100YR-1HR	10.27	0.00	0.00	3.37	3.33	3.35
EX15S43_S41	100YR-1HR	3.98	0.00	0.00	1.77	1.29	1.46
EX15S93_C-4C2	100YR-1HR	14.56	0.00	2.29	1.03	1.03	1.03
EX15S93_WEIR	100YR-1HR	14.55	0.00	0.00	1.17	1.17	1.17
EX16S100A_S101	100YR-1HR	4.67	-0.03	0.92	1.49	1.49	1.49
EX16S101A_WEIR	100YR-1HR	12.56	0.00	1.01	1.27	1.27	1.27
EX16S101_S101A	100YR-1HR	12.69	-0.16	7.94	1.01	1.01	1.01
EX16S66A_16GW1	100YR-1HR	0.46	0.00	0.00	0.00	0.00	0.00
EX16S66A_WEIR	100YR-1HR	0.96	0.00	-0.53	0.73	0.73	0.73
EX16S66B_S66	100YR-1HR	8.85	-1.05	-8.85	0.22	0.22	0.22
EX16S66_WEIR	100YR-1HR	3.19	-2.77	-1.91	-0.96	-0.96	-0.96
EX16S95A_WEIR	100YR-1HR	1.72	-0.67	0.32	-0.30	-0.30	-0.30
EX16S95_S95A	100YR-1HR	2.44	-0.12	1.51	0.19	0.19	0.19
EX16S96_S95	100YR-1HR	0.54	0.00	0.00	1.43	2.38	1.90
EX16S99_C-4C2	100YR-1HR	18.86	0.00	-3.48	1.33	1.33	1.33
EX16S99_WEIR	100YR-1HR	18.86	0.00	0.01	1.57	1.57	1.57
PND15E2_PN	100YR-1HR	9.14	-9.09	-0.10	0.23	0.23	0.23

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D15E1							
POND15E2_WEIR	100YR-1HR	18.63	-11.98	-0.04	1.91	1.91	1.91
PR12S12_S106	100YR-1HR	28.29	0.00	1.93	9.00	17.10	11.16
PR14F-D_S12	100YR-1HR	6.81	0.00	0.12	4.26	3.85	3.85
PR14S08_S09	100YR-1HR	11.17	0.00	-0.01	3.56	4.78	4.04
PR14S09_S12	100YR-1HR	18.26	0.00	0.06	5.81	5.81	5.81
PR14S101_PND14W1	100YR-1HR	9.95	0.00	0.08	5.99	30.01	17.82
PR14S103_14GW5	100YR-1HR	3.13	0.00	0.01	0.00	0.00	0.00
PR14S103_PND14W1	100YR-1HR	39.90	-31.59	1.00	5.64	-6.56	5.64
PR14S104_14GW4	100YR-1HR	2.93	0.00	0.00	0.00	0.00	0.00
PR14S104_14GW5	100YR-1HR	5.26	0.00	0.01	0.00	0.00	0.00
PR14S104_S103	100YR-1HR	38.19	-18.88	-1.09	5.40	5.40	5.40
PR14S105_14GW3	100YR-1HR	3.91	0.00	0.00	0.00	0.00	0.00
PR14S105_14GW4	100YR-1HR	3.33	0.00	0.00	0.00	0.00	0.00
PR14S105_S104	100YR-1HR	27.77	-13.30	1.28	3.93	3.93	3.93
PR14S106_14GW2	100YR-1HR	5.55	0.00	0.00	0.00	0.00	0.00
PR14S106_14GW3	100YR-1HR	4.76	0.00	0.00	0.00	0.00	0.00
PR14S106_S105	100YR-1HR	34.43	-10.09	1.03	4.87	4.87	4.87
PR14S107_14GW1	100YR-1HR	6.16	0.00	0.00	0.00	0.00	0.00
PR14S107_14GW2	100YR-1HR	5.73	0.00	0.00	0.00	0.00	0.00
PR14S107_S106	100YR-1HR	13.65	-6.36	-1.59	1.93	1.93	1.93
PR14S108_14GW1	100YR-1HR	6.15	0.00	0.00	0.00	0.00	0.00
PR14S108_S107	100YR-1HR	0.00	-4.14	1.16	-0.59	-0.59	-0.59
PR14S13_S107	100YR-1HR	29.64	0.00	2.09	9.44	14.51	9.94
PR14S14_S15	100YR-1HR	6.24	0.00	-0.03	3.53	3.53	3.53
PR14S17_S13	100YR-1HR	49.04	0.00	-31.55	16.00	76.58	44.66
PR14S19_S20	100YR-1HR	7.30	0.00	0.02	4.13	4.13	4.13

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR14S21_S20	100YR-1HR	6.52	0.00	0.02	3.69	3.69	3.69
PR14S32_S30	100YR-1HR	2.37	0.00	0.09	3.34	3.03	3.17
PR14S38A_C-4C1	100YR-1HR	80.53	-0.42	16.07	2.79	2.79	2.79
PR14S38A_WEIR	100YR-1HR	80.53	0.00	-0.03	2.41	2.41	2.41
PR14S39_S40	100YR-1HR	15.27	0.00	0.06	4.86	4.86	4.86
PR14S40_PND14W1	100YR-1HR	22.37	0.00	-0.13	7.12	15.46	11.29
PR14SD2_S104	100YR-1HR	17.06	0.00	-8.50	9.89	27.49	18.22
PR15S03_S103	100YR-1HR	14.65	0.00	5.70	8.53	17.16	12.11
PR15S06_S03	100YR-1HR	3.68	0.00	0.41	4.29	2.34	3.28
PR15S102_15GW3	100YR-1HR	2.94	0.00	0.00	0.00	0.00	0.00
PR15S102_S101	100YR-1HR	18.67	-12.00	-2.03	2.64	2.64	2.64
PR15S103_15GW2	100YR-1HR	3.01	0.00	0.01	0.00	0.00	0.00
PR15S103_15GW3	100YR-1HR	3.21	0.00	0.01	0.00	0.00	0.00
PR15S103_S102	100YR-1HR	17.55	-9.70	0.47	2.48	2.48	2.48
PR15S104_15GW1	100YR-1HR	2.99	0.00	0.00	0.00	0.00	0.00
PR15S104_15GW2	100YR-1HR	3.11	0.00	0.00	0.00	0.00	0.00
PR15S104_S103	100YR-1HR	8.98	-5.66	-0.56	1.27	1.27	1.27
PR15S105_15GW1	100YR-1HR	3.04	0.00	0.00	0.00	0.00	0.00
PR15S105_S104	100YR-1HR	6.72	-2.67	-1.94	0.95	0.95	0.95
PR15S11_S104	100YR-1HR	6.35	0.00	0.07	5.23	15.71	10.47
PR15S68A_15GW4	100YR-1HR	1.21	0.00	0.00	0.00	0.00	0.00
PR15S68A_WEIR	100YR-1HR	1.28	0.00	0.75	0.75	0.75	0.75
PR15S68_PND15E1	100YR-1HR	4.63	0.00	0.07	4.64	6.87	5.75
PR16S94_16GW1	100YR-1HR	0.90	0.00	0.00	0.00	0.00	0.00
PR16S94_S96	100YR-1HR	0.00	-1.10	0.06	-1.32	-2.54	-1.92
PR16S96_16GW1	100YR-1HR	0.90	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX14S01_S05	100YR-24HR	0.62	0.00	0.12	1.12	1.27	1.02
EX14S05_S08	100YR-24HR	1.11	0.00	0.00	1.68	1.56	1.62
EX14S15_S17	100YR-24HR	3.93	0.00	0.00	3.22	2.91	3.06
EX14S20_S15	100YR-24HR	2.41	0.00	-0.02	3.75	5.84	4.79
EX14S28_S30	100YR-24HR	0.38	0.00	0.00	1.74	2.22	1.98
EX14S30_S34	100YR-24HR	1.40	0.00	-0.02	3.21	6.22	4.71
EX14S34_S37	100YR-24HR	1.87	0.00	-0.03	3.28	6.08	4.68
EX14S37_S39	100YR-24HR	1.87	0.00	0.03	3.28	1.55	2.42
EX15S29_S33	100YR-24HR	1.03	0.00	0.00	2.60	1.95	2.28
EX15S31_S29	100YR-24HR	0.19	-0.01	-0.03	0.32	0.26	0.29
EX15S33_S35	100YR-24HR	1.31	0.00	-0.02	3.15	2.23	2.69
EX15S35_PND15E1	100YR-24HR	1.53	0.00	0.02	3.28	12.54	7.91
EX15S36_S40	100YR-24HR	0.38	0.00	-0.01	2.25	4.36	3.31
EX15S40_PND15E1	100YR-24HR	3.11	0.00	-0.03	3.78	5.84	4.81
EX15S41_S40	100YR-24HR	1.80	0.00	0.00	2.55	1.73	2.14
EX15S43_S41	100YR-24HR	0.69	0.00	0.00	1.63	0.98	1.30
EX15S93_C-4C2	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX15S93_WEIR	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX16S100A_S101	100YR-24HR	1.38	-0.03	1.08	0.44	0.44	0.44
EX16S101A_WEIR	100YR-24HR	2.66	0.00	0.98	0.54	0.54	0.54
EX16S101_S101A	100YR-24HR	6.43	-0.89	-6.43	0.51	0.51	0.51
EX16S66A_16GW1	100YR-24HR	0.36	0.00	0.00	0.00	0.00	0.00
EX16S66A_WEIR	100YR-24HR	0.38	0.00	0.00	0.21	0.21	0.21
EX16S66B_S66	100YR-24HR	5.05	-0.47	-5.05	0.12	0.12	0.12
EX16S66_WEIR	100YR-24HR	0.97	-0.34	-0.89	0.05	0.05	0.05
EX16S95A_WEIR	100YR-24HR	0.26	-0.11	0.05	0.06	0.06	0.06
EX16S95_S95A	100YR-24HR	0.36	-0.04	0.17	0.03	0.03	0.03
EX16S96_S95	100YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX16S99_C-4C2	100YR-24HR	5.09	0.00	-3.64	0.36	0.36	0.36
EX16S99_WEIR	100YR-24HR	3.81	0.00	0.00	0.92	0.92	0.92
PND15E2_PND15E1	100YR-24HR	0.00	-4.51	-0.71	-0.11	-0.11	-0.11

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
POND15E2_WEIR	100YR-24HR	0.00	-4.90	-0.23	-1.06	-1.06	-1.06
PR12S12_S106	100YR-24HR	5.56	0.00	0.78	4.50	1.77	3.13
PR14F-D_S12	100YR-24HR	1.20	0.00	-0.07	3.07	1.27	2.17
PR14S08_S09	100YR-24HR	2.00	0.00	0.00	2.33	3.38	2.85
PR14S09_S12	100YR-24HR	3.27	0.00	0.01	2.26	2.82	2.54
PR14S101_PND14W1	100YR-24HR	1.72	0.00	0.02	3.40	17.82	10.61
PR14S103_14GW5	100YR-24HR	1.13	0.00	0.01	0.00	0.00	0.00
PR14S103_PND14W1	100YR-24HR	8.72	-31.59	-1.60	-4.47	-6.56	-5.51
PR14S104_14GW4	100YR-24HR	0.58	0.00	0.00	0.00	0.00	0.00
PR14S104_14GW5	100YR-24HR	1.04	0.00	0.00	0.00	0.00	0.00
PR14S104_S103	100YR-24HR	8.42	-18.88	-1.63	-2.90	-3.44	-3.17
PR14S105_14GW3	100YR-24HR	0.67	0.00	0.00	0.00	0.00	0.00
PR14S105_14GW4	100YR-24HR	0.57	0.00	0.00	0.00	0.00	0.00
PR14S105_S104	100YR-24HR	6.26	-13.30	-1.49	-2.24	-2.39	-2.32
PR14S106_14GW2	100YR-24HR	0.78	0.00	0.00	0.00	0.00	0.00
PR14S106_14GW3	100YR-24HR	0.67	0.00	0.00	0.00	0.00	0.00
PR14S106_S105	100YR-24HR	7.43	-10.09	-1.23	-1.76	-1.84	-1.80
PR14S107_14GW1	100YR-24HR	0.85	0.00	0.00	0.00	0.00	0.00
PR14S107_14GW2	100YR-24HR	0.79	0.00	0.00	0.00	0.00	0.00
PR14S107_S106	100YR-24HR	3.18	-6.36	-1.44	-1.14	-1.17	-1.15
PR14S108_14GW1	100YR-24HR	0.85	0.00	0.00	0.00	0.00	0.00
PR14S108_S107	100YR-24HR	0.15	-2.14	1.12	-0.39	-0.39	-0.39
PR14S13_S107	100YR-24HR	5.69	0.00	1.58	4.53	1.81	3.17
PR14S14_S15	100YR-24HR	1.08	0.00	0.00	1.20	1.09	1.14
PR14S17_S13	100YR-24HR	4.57	0.00	-0.03	4.23	27.75	15.99
PR14S19_S20	100YR-24HR	1.27	0.00	0.00	1.92	1.58	1.75
PR14S21_S20	100YR-24HR	1.14	0.00	0.00	1.46	1.42	1.44

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR14S32_S30	100YR-24HR	0.44	0.00	0.01	2.34	2.34	2.34
PR14S38A_C-4C1	100YR-24HR	35.41	-0.56	16.07	1.23	1.23	1.23
PR14S38A_WEIR	100YR-24HR	35.52	0.00	-2.41	1.84	1.84	1.84
PR14S39_S40	100YR-24HR	2.67	0.00	0.00	2.21	2.20	2.20
PR14S40_PND14W1	100YR-24HR	3.90	0.00	0.03	4.04	9.45	6.75
PR14SD2_S104	100YR-24HR	2.05	0.00	0.02	3.58	1.16	2.37
PR15S03_S103	100YR-24HR	2.65	0.00	0.37	3.87	1.50	2.68
PR15S06_S03	100YR-24HR	0.64	0.00	-0.01	2.58	1.16	1.87
PR15S102_15GW3	100YR-24HR	1.69	0.00	0.00	0.00	0.00	0.00
PR15S102_S101	100YR-24HR	0.02	-4.92	-3.09	-0.70	-0.70	-0.70
PR15S103_15GW2	100YR-24HR	1.57	-0.01	0.00	0.00	0.00	0.00
PR15S103_15GW3	100YR-24HR	1.67	0.00	0.00	0.00	0.00	0.00
PR15S103_S102	100YR-24HR	0.05	-3.87	-1.68	-0.55	-0.55	-0.55
PR15S104_15GW1	100YR-24HR	1.50	0.00	0.00	0.00	0.00	0.00
PR15S104_15GW2	100YR-24HR	1.56	-0.01	0.00	0.00	0.00	0.00
PR15S104_S103	100YR-24HR	0.00	-2.48	-1.76	-0.35	-0.35	-0.35
PR15S105_15GW1	100YR-24HR	1.50	0.00	0.00	0.00	0.00	0.00
PR15S105_S104	100YR-24HR	1.05	-0.79	-0.82	0.15	0.15	0.15
PR15S11_S104	100YR-24HR	1.09	0.00	0.02	2.99	0.62	1.80
PR15S68A_15GW4	100YR-24HR	0.68	0.00	0.00	0.00	0.00	0.00
PR15S68A_WEIR	100YR-24HR	0.69	0.00	0.00	0.60	0.60	0.60
PR15S68_PND15E1	100YR-24HR	0.80	0.00	-0.02	2.74	3.88	3.23
PR16S94_16GW1	100YR-24HR	0.20	-0.04	-0.04	0.00	0.00	0.00
PR16S94_S96	100YR-24HR	0.00	-0.21	-0.03	-0.65	-1.56	-1.10
PR16S96_16GW1	100YR-24HR	0.20	0.00	0.00	0.00	0.00	0.00
EX14S01_S05	100YR-8HR	1.86	0.00	0.02	1.38	1.63	1.25

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX14S05_S08	100YR-8HR	3.32	-0.03	0.00	2.20	2.26	2.23
EX14S15_S17	100YR-8HR	11.80	0.00	0.00	4.09	4.32	4.20
EX14S20_S15	100YR-8HR	7.22	0.00	0.07	5.52	7.86	6.69
EX14S28_S30	100YR-8HR	1.14	0.00	-0.01	2.36	3.05	2.70
EX14S30_S34	100YR-8HR	4.20	0.00	-0.07	4.48	8.54	6.51
EX14S34_S37	100YR-8HR	5.62	0.00	0.03	4.51	8.39	6.45
EX14S37_S39	100YR-8HR	5.62	0.00	0.03	4.51	2.13	3.32
EX15S29_S33	100YR-8HR	3.08	0.00	0.00	3.12	2.79	2.95
EX15S31_S29	100YR-8HR	0.53	-0.02	-0.14	0.44	0.40	0.42
EX15S33_S35	100YR-8HR	3.93	0.00	0.02	4.39	3.17	3.78
EX15S35_PND15E1	100YR-8HR	4.58	0.00	-0.07	4.62	17.37	11.00
EX15S36_S40	100YR-8HR	1.14	0.00	-0.02	3.02	6.06	4.54
EX15S40_PND15E1	100YR-8HR	9.32	0.00	-0.07	5.32	7.96	6.64
EX15S41_S40	100YR-8HR	5.39	0.00	0.00	3.02	2.46	2.74
EX15S43_S41	100YR-8HR	2.07	0.00	0.00	1.69	1.16	1.39
EX15S93_C-4C2	100YR-8HR	27.50	0.00	-1.32	1.95	1.95	1.95
EX15S93_WEIR	100YR-8HR	27.50	0.00	0.00	1.44	1.44	1.44
EX16S100A_S101	100YR-8HR	2.55	-0.06	1.07	0.81	0.81	0.81
EX16S101A_WEIR	100YR-8HR	6.92	0.00	0.99	0.74	0.74	0.74
EX16S101_S101A	100YR-8HR	9.76	-0.80	8.06	0.78	0.78	0.78
EX16S66A_16GW1	100YR-8HR	0.35	0.00	0.00	0.00	0.00	0.00
EX16S66A_WEIR	100YR-8HR	0.40	0.00	0.00	0.21	0.21	0.21
EX16S66B_S66	100YR-8HR	6.28	-0.43	-6.28	0.15	0.15	0.15
EX16S66_WEIR	100YR-8HR	2.48	-0.93	-1.84	-0.50	-0.50	-0.50
EX16S95A_WEIR	100YR-8HR	0.73	-0.27	0.17	0.12	0.12	0.12
EX16S95_S95A	100YR-8HR	0.93	-0.08	0.60	0.07	0.07	0.07
EX16S96_S95	100YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX16S99_C-4C2	100YR-8HR	11.94	0.00	3.53	0.84	0.84	0.84
EX16S99_WEIR	100YR-8HR	11.92	0.00	0.00	1.35	1.35	1.35
PND15E2_PND15E1	100YR-8HR	9.75	-3.83	-0.67	0.24	0.24	0.24
POND15E2_	100YR-8HR	8.49	-4.82	-0.46	1.03	1.03	1.03

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
WEIR							
PR12S12_S106	100YR-8HR	15.11	0.00	1.57	6.10	4.81	5.19
PR14F-D_S12	100YR-8HR	3.60	0.00	0.09	3.77	2.04	2.74
PR14S08_S09	100YR-8HR	5.98	0.00	-0.01	3.19	4.51	3.82
PR14S09_S12	100YR-8HR	9.78	0.00	0.02	3.27	3.95	3.61
PR14S101_PND14W1	100YR-8HR	5.15	0.00	-0.07	4.82	24.74	14.78
PR14S103_14GW5	100YR-8HR	1.40	-0.04	0.01	0.00	0.00	0.00
PR14S103_PND14W1	100YR-8HR	27.38	-31.59	1.76	-4.47	-6.56	-5.51
PR14S104_14GW4	100YR-8HR	1.29	0.00	0.00	0.00	0.00	0.00
PR14S104_14GW5	100YR-8HR	2.32	0.00	0.00	0.00	0.00	0.00
PR14S104_S103	100YR-8HR	25.48	-18.88	1.83	3.60	3.60	3.60
PR14S105_14GW3	100YR-8HR	1.74	0.00	0.00	0.00	0.00	0.00
PR14S105_14GW4	100YR-8HR	1.48	0.00	0.00	0.00	0.00	0.00
PR14S105_S104	100YR-8HR	18.37	-13.30	1.55	2.60	2.60	2.60
PR14S106_14GW2	100YR-8HR	2.43	0.00	0.00	0.00	0.00	0.00
PR14S106_14GW3	100YR-8HR	2.08	0.00	0.00	0.00	0.00	0.00
PR14S106_S105	100YR-8HR	21.58	-10.09	1.00	3.05	3.05	3.05
PR14S107_14GW1	100YR-8HR	2.70	0.00	0.00	0.00	0.00	0.00
PR14S107_14GW2	100YR-8HR	2.51	0.00	0.00	0.00	0.00	0.00
PR14S107_S106	100YR-8HR	9.07	-6.36	-0.53	1.28	1.28	1.28
PR14S108_14GW1	100YR-8HR	2.70	0.00	0.00	0.00	0.00	0.00
PR14S108_S107	100YR-8HR	0.46	-2.14	-0.21	-0.39	-0.39	-0.39
PR14S13_S107	100YR-8HR	15.52	0.00	1.07	6.03	4.94	5.09
PR14S14_S15	100YR-8HR	3.24	0.00	0.01	1.84	1.84	1.84
PR14S17_S13	100YR-8HR	13.70	0.00	-0.11	6.16	38.55	22.36
PR14S19_S20	100YR-8HR	3.81	0.00	0.00	2.43	2.37	2.40
PR14S21_S20	100YR-8HR	3.41	0.00	0.00	2.06	2.12	2.09
PR14S32_S30	100YR-8HR	1.35	0.00	-0.06	3.39	3.16	3.21

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR14S38A_C-4C1	100YR-8HR	56.97	-3.38	16.07	1.97	1.97	1.97
PR14S38A_WEIR	100YR-8HR	56.97	-2.45	2.24	2.12	2.12	2.12
PR14S39_S40	100YR-8HR	8.01	0.00	0.00	3.04	3.21	3.12
PR14S40_PND14W1	100YR-8HR	11.70	0.00	0.07	5.78	12.98	9.38
PR14SD2_S104	100YR-8HR	6.16	0.00	0.07	5.16	16.73	10.95
PR15S03_S103	100YR-8HR	6.92	0.00	1.05	5.42	12.37	8.54
PR15S06_S03	100YR-8HR	1.91	0.00	-0.02	3.50	1.66	2.58
PR15S102_15GW3	100YR-8HR	2.24	0.00	0.00	0.00	0.00	0.00
PR15S102_S101	100YR-8HR	8.51	-5.28	-2.98	1.20	1.20	1.20
PR15S103_15GW2	100YR-8HR	2.18	-0.01	-0.01	0.00	0.00	0.00
PR15S103_15GW3	100YR-8HR	2.33	0.00	0.00	0.00	0.00	0.00
PR15S103_S102	100YR-8HR	8.04	-3.92	-1.95	1.14	1.14	1.14
PR15S104_15GW1	100YR-8HR	2.12	0.00	0.00	0.00	0.00	0.00
PR15S104_15GW2	100YR-8HR	2.21	-0.01	0.00	0.00	0.00	0.00
PR15S104_S103	100YR-8HR	4.42	-2.67	-1.75	0.63	0.63	0.63
PR15S105_15GW1	100YR-8HR	2.14	0.00	0.00	0.00	0.00	0.00
PR15S105_S104	100YR-8HR	4.02	-1.56	-1.56	0.57	0.57	0.57
PR15S11_S104	100YR-8HR	3.28	0.00	-0.02	4.13	1.86	3.00
PR15S68A_15GW4	100YR-8HR	0.83	0.00	0.00	0.00	0.00	0.00
PR15S68A_WEIR	100YR-8HR	0.84	0.00	0.53	0.64	0.64	0.64
PR15S68_PND15E1	100YR-8HR	2.39	0.00	0.02	3.75	5.62	4.65
PR16S94_16GW1	100YR-8HR	0.60	-0.02	-0.02	0.00	0.00	0.00
PR16S94_S96	100YR-8HR	0.00	-0.69	-0.11	-0.81	-1.80	-1.30
PR16S96_16GW1	100YR-8HR	0.60	0.00	0.00	0.00	0.00	0.00
EX14S01_S05	10YR-1HR	2.43	0.00	0.00	1.49	1.38	1.38
EX14S05_S08	10YR-1HR	4.34	-0.21	0.01	2.45	2.47	2.45

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX14S15_S17	10YR-1HR	15.29	0.00	0.12	4.87	5.01	4.94
EX14S20_S15	10YR-1HR	12.43	0.00	3.85	7.77	10.67	9.22
EX14S28_S30	10YR-1HR	1.51	0.00	0.01	2.54	3.29	2.91
EX14S30_S34	10YR-1HR	5.38	0.00	0.07	4.90	9.15	7.02
EX14S34_S37	10YR-1HR	7.26	0.00	0.03	4.89	9.03	6.96
EX14S37_S39	10YR-1HR	7.25	0.00	-0.03	4.89	2.37	3.63
EX15S29_S33	10YR-1HR	4.09	0.00	0.00	3.25	3.06	3.15
EX15S31_S29	10YR-1HR	0.67	-0.15	-0.04	-0.57	-1.70	-1.12
EX15S33_S35	10YR-1HR	5.22	0.00	0.07	4.84	3.59	4.22
EX15S35_PND15E1	10YR-1HR	6.08	0.00	0.07	5.14	18.87	12.00
EX15S36_S40	10YR-1HR	1.51	0.00	0.02	3.27	6.60	4.93
EX15S40_PND15E1	10YR-1HR	12.34	0.00	0.07	5.90	8.58	7.24
EX15S41_S40	10YR-1HR	7.14	0.00	0.00	3.16	2.78	2.97
EX15S43_S41	10YR-1HR	2.74	0.00	0.00	1.75	1.22	1.44
EX15S93_C-4C2	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX15S93_WEIR	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX16S100A_S101	10YR-1HR	3.20	-0.05	1.14	1.02	1.02	1.02
EX16S101A_WEIR	10YR-1HR	8.61	-0.02	0.99	1.20	1.20	1.20
EX16S101_S101A	10YR-1HR	10.02	-0.32	8.37	0.80	0.80	0.80
EX16S66A_16GW1	10YR-1HR	0.44	0.00	0.00	0.00	0.00	0.00
EX16S66A_WEIR	10YR-1HR	0.89	0.00	0.53	0.71	0.71	0.71
EX16S66B_S66	10YR-1HR	5.11	-1.01	-5.11	0.12	0.12	0.12
EX16S66_WEIR	10YR-1HR	1.80	-2.56	-1.25	-0.92	-0.92	-0.92
EX16S95A_WEIR	10YR-1HR	0.69	-0.63	0.15	0.28	0.28	0.28
EX16S95_S95A	10YR-1HR	1.82	-0.12	1.82	0.15	0.15	0.15
EX16S96_S95	10YR-1HR	0.00	0.00	0.00	0.00	0.00	0.00
EX16S99_C-4C2	10YR-1HR	8.99	0.00	3.41	0.64	0.64	0.64
EX16S99_WEIR	10YR-1HR	8.97	0.00	0.01	1.22	1.22	1.22
PND15E2_PND15E1	10YR-1HR	4.46	-7.48	-0.70	-0.19	-0.19	-0.19
POND15E2_WEIR	10YR-1HR	10.72	-9.78	0.05	1.61	1.61	1.61

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR12S12_S106	10YR-1HR	19.79	0.00	1.94	6.78	17.14	11.19
PR14F-D_S12	10YR-1HR	4.73	0.00	0.13	4.24	2.68	3.26
PR14S08_S09	10YR-1HR	7.82	0.00	-0.01	3.39	4.78	4.04
PR14S09_S12	10YR-1HR	12.80	0.00	0.06	4.07	4.36	4.07
PR14S101_PND14W1	10YR-1HR	6.85	0.00	-0.07	5.39	26.90	16.15
PR14S103_14GW5	10YR-1HR	2.22	0.00	0.01	0.00	0.00	0.00
PR14S103_PND14W1	10YR-1HR	28.92	-31.59	1.24	-4.47	-6.56	-5.51
PR14S104_14GW4	10YR-1HR	1.87	0.00	0.00	0.00	0.00	0.00
PR14S104_14GW5	10YR-1HR	3.37	0.00	0.00	0.00	0.00	0.00
PR14S104_S103	10YR-1HR	28.39	-18.88	1.33	4.02	4.02	4.02
PR14S105_14GW3	10YR-1HR	2.48	0.00	0.00	0.00	0.00	0.00
PR14S105_14GW4	10YR-1HR	2.10	0.00	0.00	0.00	0.00	0.00
PR14S105_S104	10YR-1HR	20.70	-13.30	-1.27	2.93	2.93	2.93
PR14S106_14GW2	10YR-1HR	3.42	0.00	0.00	0.00	0.00	0.00
PR14S106_14GW3	10YR-1HR	2.93	0.00	0.00	0.00	0.00	0.00
PR14S106_S105	10YR-1HR	25.29	-10.09	1.29	3.58	3.58	3.58
PR14S107_14GW1	10YR-1HR	3.79	0.00	0.00	0.00	0.00	0.00
PR14S107_14GW2	10YR-1HR	3.52	0.00	0.00	0.00	0.00	0.00
PR14S107_S106	10YR-1HR	10.45	-6.36	0.71	1.48	1.48	1.48
PR14S108_14GW1	10YR-1HR	3.78	0.00	0.00	0.00	0.00	0.00
PR14S108_S107	10YR-1HR	0.00	-2.62	0.44	-0.39	-0.39	-0.39
PR14S13_S107	10YR-1HR	20.11	0.00	2.05	6.61	14.43	9.88
PR14S14_S15	10YR-1HR	4.32	0.00	-0.02	2.44	2.44	2.44
PR14S17_S13	10YR-1HR	31.63	0.00	-14.21	12.45	74.92	43.69
PR14S19_S20	10YR-1HR	4.94	0.00	0.02	2.81	2.86	2.84
PR14S21_S20	10YR-1HR	4.41	0.00	0.02	2.50	2.56	2.52
PR14S32_S30	10YR-1HR	1.56	0.00	0.09	3.32	3.02	3.15
PR14S38A_C-	10YR-1HR	52.21	-0.15	16.07	1.81	1.81	1.81

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
4C1							
PR14S38A_WEIR	10YR-1HR	52.20	0.00	-0.03	2.09	2.09	2.09
PR14S39_S40	10YR-1HR	10.42	0.00	0.00	3.40	3.60	3.50
PR14S40_PND14W1	10YR-1HR	15.30	0.00	-0.13	6.46	13.98	10.22
PR14SD2_S104	10YR-1HR	8.19	0.00	0.07	5.85	18.15	12.00
PR15S03_S103	10YR-1HR	12.17	0.00	2.26	7.39	14.12	9.90
PR15S06_S03	10YR-1HR	2.87	0.00	0.40	4.10	2.30	3.13
PR15S102_15GW3	10YR-1HR	2.30	0.00	0.00	0.00	0.00	0.00
PR15S102_S101	10YR-1HR	10.75	-9.81	-2.12	1.52	1.52	1.52
PR15S103_15GW2	10YR-1HR	2.22	0.00	0.00	0.00	0.00	0.00
PR15S103_15GW3	10YR-1HR	2.37	0.00	0.00	0.00	0.00	0.00
PR15S103_S102	10YR-1HR	11.31	-7.95	0.36	1.60	1.60	1.60
PR15S104_15GW1	10YR-1HR	2.16	0.00	0.00	0.00	0.00	0.00
PR15S104_15GW2	10YR-1HR	2.25	0.00	0.00	0.00	0.00	0.00
PR15S104_S103	10YR-1HR	4.87	-4.65	-0.38	0.69	0.69	0.69
PR15S105_15GW1	10YR-1HR	2.18	0.00	0.00	0.00	0.00	0.00
PR15S105_S104	10YR-1HR	3.77	-2.26	1.87	0.53	0.53	0.53
PR15S11_S104	10YR-1HR	4.37	0.00	-0.07	4.54	14.05	9.29
PR15S68A_15GW4	10YR-1HR	0.99	0.00	0.00	0.00	0.00	0.00
PR15S68A_WEIR	10YR-1HR	1.00	0.00	0.00	0.74	0.74	0.74
PR15S68_PND15E1	10YR-1HR	3.18	0.00	0.02	4.09	6.19	5.14
PR16S94_16GW1	10YR-1HR	0.74	0.00	0.00	0.00	0.00	0.00
PR16S94_S96	10YR-1HR	0.00	-0.81	0.06	-1.26	-2.46	-1.85
PR16S96_16GW1	10YR-1HR	0.74	0.00	0.00	0.00	0.00	0.00
EX14S01_S05	10YR-24HR	0.41	0.00	-0.07	1.12	1.26	1.01
EX14S05_S08	10YR-24HR	0.73	0.00	0.00	1.53	1.37	1.45
EX14S15_S17	10YR-24HR	2.60	0.00	0.00	3.00	2.56	2.78

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX14S20_S15	10YR-24HR	1.59	0.00	-0.02	3.32	5.18	4.25
EX14S28_S30	10YR-24HR	0.25	0.00	0.00	1.55	1.97	1.76
EX14S30_S34	10YR-24HR	1.26	0.00	-0.03	3.12	6.04	4.58
EX14S34_S37	10YR-24HR	1.23	0.00	-0.03	2.93	5.37	4.15
EX14S37_S39	10YR-24HR	1.23	0.00	-0.03	2.93	1.40	2.17
EX15S29_S33	10YR-24HR	0.68	0.00	0.00	2.39	1.73	2.06
EX15S31_S29	10YR-24HR	0.13	-0.02	0.03	0.26	-0.29	0.23
EX15S33_S35	10YR-24HR	0.87	0.00	0.02	2.80	1.98	2.39
EX15S35_PND15E1	10YR-24HR	1.01	0.00	-0.02	2.92	11.07	6.99
EX15S36_S40	10YR-24HR	0.25	0.00	0.01	2.01	3.85	2.93
EX15S40_PND15E1	10YR-24HR	2.05	0.00	0.03	3.37	5.17	4.27
EX15S41_S40	10YR-24HR	1.19	0.00	0.00	2.34	1.53	1.94
EX15S43_S41	10YR-24HR	0.45	0.00	0.00	1.59	0.90	1.25
EX15S93_C-4C2	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX15S93_WEIR	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX16S100A_S101	10YR-24HR	1.94	-0.11	-1.94	0.62	0.62	0.62
EX16S101A_WEIR	10YR-24HR	3.29	0.00	-3.22	0.42	0.42	0.42
EX16S101_S101A	10YR-24HR	6.14	-0.37	-6.14	0.49	0.49	0.49
EX16S66A_16GW1	10YR-24HR	0.34	0.00	0.00	0.00	0.00	0.00
EX16S66A_WEIR	10YR-24HR	0.39	0.00	0.10	0.20	0.20	0.20
EX16S66B_S66	10YR-24HR	25.16	-16.10	-25.16	0.61	0.61	0.61
EX16S66_WEIR	10YR-24HR	13.26	-6.42	-13.27	0.62	0.62	0.62
EX16S95A_WEIR	10YR-24HR	0.31	-0.10	-0.25	0.04	0.04	0.04
EX16S95_S95A	10YR-24HR	0.56	-0.03	-0.56	0.04	0.04	0.04
EX16S96_S95	10YR-24HR	0.00	0.00	0.00	0.00	0.00	0.00
EX16S99_C-4C2	10YR-24HR	3.39	0.00	-2.78	0.24	0.24	0.24
EX16S99_WEIR	10YR-24HR	2.37	0.00	0.01	0.79	0.79	0.79
PND15E2_PND15E1	10YR-24HR	0.00	-3.18	-0.78	-0.08	-0.08	-0.08
POND15E2_WEIR	10YR-24HR	0.00	-2.98	-0.28	-0.99	-0.99	-0.99
PR12S12_S10	10YR-24HR	4.47	0.00	1.22	4.21	1.42	2.81

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
6							
PR14F-D_S12	10YR-24HR	0.79	0.00	-0.11	2.74	1.11	1.92
PR14S08_S09	10YR-24HR	1.32	0.00	0.00	2.07	3.02	2.55
PR14S09_S12	10YR-24HR	2.35	0.00	0.04	2.00	2.50	2.24
PR14S101_PND14W1	10YR-24HR	1.13	0.00	0.02	3.02	0.94	1.97
PR14S103_14GW5	10YR-24HR	1.13	0.00	0.02	0.00	0.00	0.00
PR14S103_PND14W1	10YR-24HR	4.91	-31.59	-1.55	-4.47	-6.54	-5.50
PR14S104_14GW4	10YR-24HR	0.58	0.00	0.00	0.00	0.00	0.00
PR14S104_14GW5	10YR-24HR	1.05	0.00	0.01	0.00	0.00	0.00
PR14S104_S103	10YR-24HR	4.97	-18.94	-2.08	-2.91	-3.45	-3.17
PR14S105_14GW3	10YR-24HR	0.67	0.00	0.00	0.00	0.00	0.00
PR14S105_14GW4	10YR-24HR	0.57	0.00	0.00	0.00	0.00	0.00
PR14S105_S104	10YR-24HR	3.88	-13.33	1.66	-2.24	-2.40	-2.32
PR14S106_14GW2	10YR-24HR	0.77	0.00	0.00	0.00	0.00	0.00
PR14S106_14GW3	10YR-24HR	0.66	0.00	0.00	0.00	0.00	0.00
PR14S106_S105	10YR-24HR	4.94	-10.12	1.57	-1.76	-1.84	-1.80
PR14S107_14GW1	10YR-24HR	0.82	0.00	0.00	0.00	0.00	0.00
PR14S107_14GW2	10YR-24HR	0.76	0.00	0.00	0.00	0.00	0.00
PR14S107_S106	10YR-24HR	2.27	-6.38	-1.85	-1.14	-1.17	-1.16
PR14S108_14GW1	10YR-24HR	0.82	0.00	0.00	0.00	0.00	0.00
PR14S108_S107	10YR-24HR	0.12	-2.15	1.26	-0.39	-0.39	-0.39
PR14S13_S107	10YR-24HR	4.57	0.00	0.96	4.25	1.46	2.85
PR14S14_S15	10YR-24HR	0.71	0.00	0.00	1.14	0.99	1.07
PR14S17_S13	10YR-24HR	3.01	0.00	-0.03	3.75	24.46	14.11
PR14S19_S20	10YR-24HR	0.84	0.00	0.00	1.79	1.39	1.59
PR14S21_S20	10YR-24HR	0.75	0.00	0.00	1.31	1.24	1.28
PR14S32_S30	10YR-24HR	0.29	0.00	0.00	1.83	2.10	1.97
PR14S38A_C-4C1	10YR-24HR	35.41	-0.85	24.69	1.23	1.23	1.23

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR14S38A_WEIR	10YR-24HR	35.50	0.00	-4.93	1.84	1.84	1.84
PR14S39_S40	10YR-24HR	1.76	0.00	0.00	1.99	1.94	1.97
PR14S40_PND14W1	10YR-24HR	2.57	0.00	-0.03	3.59	8.36	5.97
PR14SD2_S104	10YR-24HR	1.36	0.00	0.04	3.18	0.77	1.97
PR15S03_S103	10YR-24HR	1.28	0.00	0.02	3.12	0.72	1.92
PR15S06_S03	10YR-24HR	0.42	0.00	-0.01	2.31	0.81	1.56
PR15S102_15GW3	10YR-24HR	1.13	0.00	0.00	0.00	0.00	0.00
PR15S102_S101	10YR-24HR	0.00	-3.67	3.28	-0.52	-0.52	-0.52
PR15S103_15GW2	10YR-24HR	1.05	-0.01	-0.01	0.00	0.00	0.00
PR15S103_15GW3	10YR-24HR	1.12	0.00	0.00	0.00	0.00	0.00
PR15S103_S102	10YR-24HR	0.03	-2.34	-1.32	-0.33	-0.33	-0.33
PR15S104_15GW1	10YR-24HR	1.01	0.00	0.00	0.00	0.00	0.00
PR15S104_15GW2	10YR-24HR	1.05	-0.01	-0.01	0.00	0.00	0.00
PR15S104_S103	10YR-24HR	0.00	-1.53	0.51	-0.22	-0.22	-0.22
PR15S105_15GW1	10YR-24HR	1.01	0.00	0.00	0.00	0.00	0.00
PR15S105_S104	10YR-24HR	0.39	-0.30	-0.13	0.05	0.05	0.05
PR15S11_S104	10YR-24HR	0.72	0.00	-0.02	2.69	0.41	1.54
PR15S68A_15GW4	10YR-24HR	0.55	0.00	0.00	0.00	0.00	0.00
PR15S68A_WEIR	10YR-24HR	0.55	0.00	0.00	0.56	0.56	0.56
PR15S68_PND15E1	10YR-24HR	0.53	0.00	-0.01	2.45	3.67	3.06
PR16S94_16GW1	10YR-24HR	0.13	-0.07	-0.07	0.00	0.00	0.00
PR16S94_S96	10YR-24HR	0.00	-0.13	-0.04	-0.61	-1.50	-1.05
PR16S96_16GW1	10YR-24HR	0.13	0.00	0.00	0.00	0.00	0.00
EX14S01_S05	10YR-8HR	1.32	0.00	-0.02	1.33	1.59	1.23
EX14S05_S08	10YR-8HR	2.35	-0.01	0.00	2.01	1.99	2.00
EX14S15_S17	10YR-8HR	8.35	0.00	0.00	3.70	3.72	3.71
EX14S20_S15	10YR-8HR	5.11	0.00	-0.07	4.80	7.19	6.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX14S28_S30	10YR-8HR	0.80	0.00	0.00	2.16	2.73	2.45
EX14S30_S34	10YR-8HR	2.96	0.00	-0.02	4.00	7.74	5.87
EX14S34_S37	10YR-8HR	3.96	0.00	-0.03	4.06	7.59	5.82
EX14S37_S39	10YR-8HR	3.96	0.00	-0.03	4.06	1.89	2.98
EX15S29_S33	10YR-8HR	2.18	0.00	0.00	2.96	2.46	2.71
EX15S31_S29	10YR-8HR	0.39	-0.01	0.05	0.40	0.35	0.37
EX15S33_S35	10YR-8HR	2.78	0.00	0.02	3.92	2.85	3.38
EX15S35_PND15E1	10YR-8HR	3.24	0.00	0.02	4.12	15.69	9.90
EX15S36_S40	10YR-8HR	0.80	0.00	-0.02	2.75	5.47	4.11
EX15S40_PND15E1	10YR-8HR	6.60	0.00	0.03	4.74	7.24	5.99
EX15S41_S40	10YR-8HR	3.81	0.00	0.00	2.90	2.21	2.55
EX15S43_S41	10YR-8HR	1.46	0.00	0.00	1.69	1.11	1.37
EX15S93_C-4C2	10YR-8HR	5.16	0.00	-2.00	0.37	0.37	0.37
EX15S93_WEIR	10YR-8HR	5.02	0.00	0.00	0.82	0.82	0.82
EX16S100A_S101	10YR-8HR	1.96	-0.06	-1.23	0.62	0.62	0.62
EX16S101A_WEIR	10YR-8HR	5.10	0.00	1.04	0.67	0.67	0.67
EX16S101_S101A	10YR-8HR	8.55	-0.70	7.97	0.68	0.68	0.68
EX16S66A_16GW1	10YR-8HR	0.33	0.00	0.00	0.00	0.00	0.00
EX16S66A_WEIR	10YR-8HR	0.41	0.00	0.00	0.20	0.20	0.20
EX16S66B_S66	10YR-8HR	4.38	-0.45	-4.38	0.11	0.11	0.11
EX16S66_WEIR	10YR-8HR	1.54	-0.73	-1.05	-0.35	-0.35	-0.35
EX16S95A_WEIR	10YR-8HR	0.51	-0.23	0.07	0.10	0.10	0.10
EX16S95_S95A	10YR-8HR	0.61	-0.07	-0.26	0.05	0.05	0.05
EX16S96_S95	10YR-8HR	0.00	0.00	0.00	0.00	0.00	0.00
EX16S99_C-4C2	10YR-8HR	8.18	0.00	3.62	0.58	0.58	0.58
EX16S99_WEIR	10YR-8HR	8.16	0.00	0.00	1.19	1.19	1.19
PND15E2_PND15E1	10YR-8HR	2.73	-4.26	-0.19	-0.10	-0.10	-0.10
POND15E2_WEIR	10YR-8HR	5.82	-5.33	-0.47	-0.95	-0.95	-0.95
PR12S12_S106	10YR-8HR	10.73	0.00	1.17	5.60	3.42	4.51

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR14F-D_S12	10YR-8HR	2.56	0.00	0.08	3.72	1.72	2.69
PR14S08_S09	10YR-8HR	4.25	0.00	-0.01	2.89	4.16	3.52
PR14S09_S12	10YR-8HR	6.94	0.00	0.03	2.98	3.62	3.30
PR14S101_PND14W1	10YR-8HR	3.64	0.00	-0.02	4.28	22.33	13.30
PR14S103_14GW5	10YR-8HR	1.13	-0.10	0.01	0.00	0.00	0.00
PR14S103_PND14W1	10YR-8HR	20.81	-31.59	1.78	-4.47	-6.56	-5.51
PR14S104_14GW4	10YR-8HR	0.82	0.00	0.00	0.00	0.00	0.00
PR14S104_14GW5	10YR-8HR	1.47	0.00	0.00	0.00	0.00	0.00
PR14S104_S103	10YR-8HR	19.55	-18.88	1.84	-2.90	-3.44	-3.17
PR14S105_14GW3	10YR-8HR	1.09	0.00	0.00	0.00	0.00	0.00
PR14S105_14GW4	10YR-8HR	0.93	0.00	0.00	0.00	0.00	0.00
PR14S105_S104	10YR-8HR	14.33	-13.30	1.54	-2.24	-2.39	-2.32
PR14S106_14GW2	10YR-8HR	1.49	-0.04	0.00	0.00	0.00	0.00
PR14S106_14GW3	10YR-8HR	1.28	0.00	0.00	0.00	0.00	0.00
PR14S106_S105	10YR-8HR	16.33	-10.09	-1.05	2.31	2.31	2.31
PR14S107_14GW1	10YR-8HR	1.65	-0.04	0.00	0.00	0.00	0.00
PR14S107_14GW2	10YR-8HR	1.54	-0.03	0.00	0.00	0.00	0.00
PR14S107_S106	10YR-8HR	7.12	-6.36	-1.66	-1.14	-1.17	-1.15
PR14S108_14GW1	10YR-8HR	1.65	-0.03	0.00	0.00	0.00	0.00
PR14S108_S107	10YR-8HR	0.47	-2.14	1.23	-0.39	-0.39	-0.39
PR14S13_S107	10YR-8HR	10.98	0.00	1.15	5.64	3.50	4.57
PR14S14_S15	10YR-8HR	2.30	0.00	0.00	1.41	1.37	1.39
PR14S17_S13	10YR-8HR	9.69	0.00	0.07	5.39	34.77	20.08
PR14S19_S20	10YR-8HR	2.70	0.00	0.00	2.22	2.04	2.13
PR14S21_S20	10YR-8HR	2.41	0.00	0.00	1.81	1.82	1.81
PR14S32_S30	10YR-8HR	0.92	0.00	0.05	2.78	2.86	2.80
PR14S38A_C-4C1	10YR-8HR	40.65	-3.24	16.07	1.41	1.41	1.41
PR14S38A_W	10YR-8HR	40.64	-2.56	-2.56	1.92	1.92	1.92

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EIR							
PR14S39_S40	10YR-8HR	5.65	0.00	0.00	2.70	2.80	2.75
PR14S40_PND14W1	10YR-8HR	8.27	0.00	-0.07	5.10	11.76	8.43
PR14SD2_S104	10YR-8HR	4.36	0.00	-0.07	4.54	15.14	9.84
PR15S03_S103	10YR-8HR	5.53	0.00	0.77	4.95	3.13	4.04
PR15S06_S03	10YR-8HR	1.35	0.00	0.02	3.17	1.46	2.32
PR15S102_15GW3	10YR-8HR	1.77	0.00	0.00	0.00	0.00	0.00
PR15S102_S101	10YR-8HR	5.85	-5.89	-3.21	-0.83	-0.83	-0.83
PR15S103_15GW2	10YR-8HR	1.66	-0.01	-0.01	0.00	0.00	0.00
PR15S103_15GW3	10YR-8HR	1.78	0.00	0.00	0.00	0.00	0.00
PR15S103_S102	10YR-8HR	5.86	-4.25	-1.97	0.83	0.83	0.83
PR15S104_15GW1	10YR-8HR	1.60	0.00	0.00	0.00	0.00	0.00
PR15S104_15GW2	10YR-8HR	1.67	-0.01	-0.01	0.00	0.00	0.00
PR15S104_S103	10YR-8HR	2.78	-2.52	1.79	0.39	0.39	0.39
PR15S105_15GW1	10YR-8HR	1.61	0.00	0.00	0.00	0.00	0.00
PR15S105_S104	10YR-8HR	2.60	-1.28	-1.28	0.37	0.37	0.37
PR15S11_S104	10YR-8HR	2.32	0.00	-0.02	3.71	1.32	2.51
PR15S68A_15GW4	10YR-8HR	0.69	0.00	0.00	0.00	0.00	0.00
PR15S68A_WEIR	10YR-8HR	0.70	0.00	0.00	0.58	0.58	0.58
PR15S68_PND15E1	10YR-8HR	1.69	0.00	0.02	3.38	5.16	4.27
PR16S94_16GW1	10YR-8HR	0.42	-0.03	-0.03	0.00	0.00	0.00
PR16S94_S96	10YR-8HR	0.00	-0.49	-0.09	-0.77	-1.66	-1.18
PR16S96_16GW1	10YR-8HR	0.42	0.00	0.00	0.00	0.00	0.00
EX14S01_S05	25YR-72HR	2.92	0.00	0.03	1.65	1.65	1.65
EX14S05_S08	25YR-72HR	5.22	0.00	-0.01	2.95	2.95	2.95
EX14S15_S17	25YR-72HR	18.70	0.00	0.42	5.95	6.23	6.09
EX14S20_S15	25YR-72HR	12.80	0.00	-4.21	7.51	10.27	8.89
EX14S28_S30	25YR-72HR	1.79	0.00	0.01	2.67	3.43	3.05

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX14S30_S34	25YR-72HR	6.64	0.00	0.10	5.32	9.69	7.51
EX14S34_S37	25YR-72HR	8.88	0.00	-0.07	5.23	9.56	7.39
EX14S37_S39	25YR-72HR	8.88	0.00	-0.13	5.23	2.83	4.03
EX15S29_S33	25YR-72HR	4.86	0.00	0.00	3.36	3.31	3.33
EX15S31_S29	25YR-72HR	0.78	-0.01	-0.03	0.49	0.46	0.47
EX15S33_S35	25YR-72HR	6.20	0.00	0.10	5.18	3.86	4.52
EX15S35_PND15E1	25YR-72HR	7.23	0.00	0.11	5.52	19.83	12.67
EX15S36_S40	25YR-72HR	1.79	0.00	0.02	3.44	6.94	5.19
EX15S40_PND15E1	25YR-72HR	14.67	0.00	-0.13	6.34	8.96	7.65
EX15S41_S40	25YR-72HR	8.48	0.00	0.00	3.24	2.98	3.11
EX15S43_S41	25YR-72HR	3.25	0.00	0.00	1.76	1.25	1.46
EX15S93_C-4C2	25YR-72HR	40.19	0.00	-2.81	2.84	2.84	2.84
EX15S93_WEIR	25YR-72HR	40.19	0.00	0.03	1.64	1.64	1.64
EX16S100A_S101	25YR-72HR	3.91	-0.15	3.11	1.25	1.25	1.25
EX16S101A_WEIR	25YR-72HR	10.58	0.00	-5.42	0.41	0.41	0.41
EX16S101_S101A	25YR-72HR	11.33	-0.75	10.24	0.90	0.90	0.90
EX16S66A_16GW1	25YR-72HR	0.33	0.00	0.00	0.00	0.00	0.00
EX16S66A_WEIR	25YR-72HR	0.43	0.00	-0.08	0.19	0.19	0.19
EX16S66B_S66	25YR-72HR	27.93	-19.52	-27.93	0.68	0.68	0.68
EX16S66_WEIR	25YR-72HR	11.20	-10.13	-11.20	0.50	0.50	0.50
EX16S95A_WEIR	25YR-72HR	3.20	-0.03	-3.07	0.13	0.13	0.13
EX16S95_S95A	25YR-72HR	6.01	-0.06	-6.01	0.48	0.48	0.48
EX16S96_S95	25YR-72HR	0.49	0.00	0.00	1.39	2.31	1.85
EX16S99_C-4C2	25YR-72HR	19.55	0.00	-2.62	1.38	1.38	1.38
EX16S99_WEIR	25YR-72HR	19.55	0.00	0.02	1.59	1.59	1.59
PND15E2_PND15E1	25YR-72HR	16.71	-4.27	-0.77	0.41	0.41	0.41
POND15E2_WEIR	25YR-72HR	19.36	-5.35	0.37	1.56	1.56	1.56
PR12S12_S106	25YR-72HR	23.37	0.00	0.98	7.44	7.44	7.44
PR14F-D_S12	25YR-72HR	5.61	0.00	0.18	3.89	3.17	3.17

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR14S08_S09	25YR-72HR	9.25	0.00	0.01	3.21	4.51	3.82
PR14S09_S12	25YR-72HR	15.09	0.00	0.03	4.80	4.80	4.80
PR14S101_PND14W1	25YR-72HR	8.14	0.00	0.12	5.83	28.30	17.06
PR14S103_14GW5	25YR-72HR	2.38	-0.12	0.02	0.00	0.00	0.00
PR14S103_PND14W1	25YR-72HR	37.88	-31.59	-1.90	5.36	-6.54	-5.50
PR14S104_14GW4	25YR-72HR	2.35	0.00	0.02	0.00	0.00	0.00
PR14S104_14GW5	25YR-72HR	4.23	0.00	0.03	0.00	0.00	0.00
PR14S104_S103	25YR-72HR	34.97	-18.94	-2.08	4.95	4.95	4.95
PR14S105_14GW3	25YR-72HR	3.16	0.00	0.00	0.00	0.00	0.00
PR14S105_14GW4	25YR-72HR	2.69	0.00	0.00	0.00	0.00	0.00
PR14S105_S104	25YR-72HR	25.49	-13.33	-2.20	3.61	3.61	3.61
PR14S106_14GW2	25YR-72HR	4.48	-0.08	0.01	0.00	0.00	0.00
PR14S106_14GW3	25YR-72HR	3.84	0.00	0.01	0.00	0.00	0.00
PR14S106_S105	25YR-72HR	30.68	-10.12	2.07	4.34	4.34	4.34
PR14S107_14GW1	25YR-72HR	4.98	-0.09	0.00	0.00	0.00	0.00
PR14S107_14GW2	25YR-72HR	4.63	-0.08	0.00	0.00	0.00	0.00
PR14S107_S106	25YR-72HR	12.38	-6.38	1.79	1.75	1.75	1.75
PR14S108_14GW1	25YR-72HR	4.97	-0.09	0.00	0.00	0.00	0.00
PR14S108_S107	25YR-72HR	0.13	-2.82	1.25	-0.40	-0.40	-0.40
PR14S13_S107	25YR-72HR	24.58	0.00	0.90	7.82	7.82	7.82
PR14S14_S15	25YR-72HR	5.11	0.00	-0.05	2.89	2.89	2.89
PR14S17_S13	25YR-72HR	44.79	0.00	-28.53	14.62	74.31	43.31
PR14S19_S20	25YR-72HR	5.98	0.00	0.05	3.38	3.38	3.38
PR14S21_S20	25YR-72HR	5.34	0.00	0.05	3.02	3.02	3.02
PR14S32_S30	25YR-72HR	2.10	0.00	-0.15	3.41	3.17	3.12
PR14S38A_C-4C1	25YR-72HR	78.95	-12.29	24.69	2.74	2.74	2.74
PR14S38A_WEIR	25YR-72HR	78.95	-5.57	-4.46	1.85	1.85	1.85

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PR14S39_S40	25YR-72HR	12.61	0.00	-0.02	4.01	4.01	4.01
PR14S40_PND14W1	25YR-72HR	18.38	0.00	-0.24	6.91	14.68	10.72
PR14SD2_S104	25YR-72HR	14.56	0.00	-4.78	8.50	23.17	15.35
PR15S03_S103	25YR-72HR	9.08	0.00	2.06	5.94	12.36	8.53
PR15S06_S03	25YR-72HR	2.98	0.00	0.79	4.00	2.37	3.19
PR15S102_15GW3	25YR-72HR	2.46	0.00	-0.01	0.00	0.00	0.00
PR15S102_S101	25YR-72HR	19.42	-5.39	-3.36	2.75	2.75	2.75
PR15S103_15GW2	25YR-72HR	2.68	0.00	0.01	0.00	0.00	0.00
PR15S103_15GW3	25YR-72HR	2.86	0.00	0.01	0.00	0.00	0.00
PR15S103_S102	25YR-72HR	17.31	-4.32	1.45	2.45	2.45	2.45
PR15S104_15GW1	25YR-72HR	2.68	0.00	0.01	0.00	0.00	0.00
PR15S104_15GW2	25YR-72HR	2.79	0.00	0.01	0.00	0.00	0.00
PR15S104_S103	25YR-72HR	10.24	-2.93	1.47	1.45	1.45	1.45
PR15S105_15GW1	25YR-72HR	2.75	0.00	0.01	0.00	0.00	0.00
PR15S105_S104	25YR-72HR	7.43	-1.83	1.83	1.05	1.05	1.05
PR15S11_S104	25YR-72HR	7.37	0.00	2.19	5.56	14.75	9.79
PR15S68A_15GW4	25YR-72HR	0.84	0.00	0.00	0.00	0.00	0.00
PR15S68A_WEIR	25YR-72HR	0.86	0.00	0.00	0.45	0.45	0.45
PR15S68_PND15E1	25YR-72HR	4.75	0.00	1.28	4.69	6.46	5.38
PR16S94_16GW1	25YR-72HR	0.71	-0.10	-0.05	0.00	0.00	0.00
PR16S94_S96	25YR-72HR	0.00	-0.87	0.24	-0.57	-1.33	-0.93
PR16S96_16GW1	25YR-72HR	0.71	0.00	0.00	0.00	0.00	0.00

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
14GW1	100YR-1HR	39661	0	39661
14GW1	100YR-24HR	80381	0	80381
14GW1	100YR-8HR	52044	0	52044
14GW1	10YR-1HR	29993	0	29993
14GW1	10YR-24HR	65465	0	65465
14GW1	10YR-8HR	39526	168	39358
14GW1	25YR-72HR	160632	3186	157446

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
14GW2	100YR-1HR	36735	0	36735
14GW2	100YR-24HR	74762	0	74762
14GW2	100YR-8HR	48291	0	48291
14GW2	10YR-1HR	27877	0	27877
14GW2	10YR-24HR	60991	0	60991
14GW2	10YR-8HR	36815	182	36634
14GW2	25YR-72HR	149777	3050	146726

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
14GW3	100YR-1HR	29930	0	29930
14GW3	100YR-24HR	63309	0	63309
14GW3	100YR-8HR	39734	0	39734
14GW3	10YR-1HR	23178	0	23178
14GW3	10YR-24HR	52034	0	52034
14GW3	10YR-8HR	30802	0	30802
14GW3	25YR-72HR	126949	0	126949

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
14GW4	100YR-1HR	23689	0	23689
14GW4	100YR-24HR	53004	0	53004
14GW4	100YR-8HR	31806	0	31806
14GW4	10YR-1HR	18892	0	18892
14GW4	10YR-24HR	44031	0	44031
14GW4	10YR-8HR	25259	0	25259

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
14GW4	25YR-72HR	106301	0	106301

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
14GW5	100YR-1HR	38299	0	38299
14GW5	100YR-24HR	93460	0	93460
14GW5	100YR-8HR	51889	83	51806
14GW5	10YR-1HR	32105	0	32105
14GW5	10YR-24HR	79037	0	79037
14GW5	10YR-8HR	42890	393	42497
14GW5	25YR-72HR	187683	2268	185415

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
15GW1	100YR-1HR	42135	0	42135
15GW1	100YR-24HR	157817	0	157817
15GW1	100YR-8HR	79957	0	79957
15GW1	10YR-1HR	29228	0	29228
15GW1	10YR-24HR	95177	0	95177
15GW1	10YR-8HR	65085	0	65085
15GW1	25YR-72HR	134459	0	134459

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
15GW2	100YR-1HR	43930	0	43930
15GW2	100YR-24HR	164771	12	164758
15GW2	100YR-8HR	83370	19	83351
15GW2	10YR-1HR	30546	0	30546
15GW2	10YR-24HR	99491	23	99468
15GW2	10YR-8HR	67991	30	67961
15GW2	25YR-72HR	140263	13	140250

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
15GW3	100YR-1HR	47179	0	47179
15GW3	100YR-24HR	177447	0	177447
15GW3	100YR-8HR	89440	0	89440
15GW3	10YR-1HR	32969	0	32969
15GW3	10YR-24HR	107188	0	107188
15GW3	10YR-8HR	73214	0	73214
15GW3	25YR-72HR	150674	0	150674

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
15GW4	100YR-1HR	16858	0	16858
15GW4	100YR-24HR	46877	1	46876
15GW4	100YR-8HR	21566	1	21564
15GW4	10YR-1HR	13929	0	13929
15GW4	10YR-24HR	34220	1	34219
15GW4	10YR-8HR	18830	2	18828
15GW4	25YR-72HR	72131	1	72131

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
16GW1	100YR-1HR	22440	0	22440
16GW1	100YR-24HR	51546	14	51532
16GW1	100YR-8HR	32073	6	32066
16GW1	10YR-1HR	20973	0	20973
16GW1	10YR-24HR	44570	28	44542
16GW1	10YR-8HR	28481	11	28470
16GW1	25YR-72HR	77888	36	77852

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
C-4 CANAL_1	100YR-1HR	212026	44	211982
C-4 CANAL_1	100YR-24HR	612586	40	612546
C-4 CANAL_1	100YR-8HR	466738	4202	462535
C-4 CANAL_1	10YR-1HR	140414	46	140369
C-4 CANAL_1	10YR-24HR	342266	110	342156
C-4 CANAL_1	10YR-8HR	313853	4213	309640
C-4 CANAL_1	25YR-72HR	527884	220728	307156

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
C-4 CANAL_2	100YR-1HR	49392	34	49358
C-4 CANAL_2	100YR-24HR	102735	174	102561
C-4 CANAL_2	100YR-8HR	168471	114	168357
C-4 CANAL_2	10YR-1HR	12792	23	12769
C-4 CANAL_2	10YR-24HR	53521	210	53312
C-4 CANAL_2	10YR-8HR	61363	129	61235
C-4 CANAL_2	25YR-72HR	185678	232	185446

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S01	100YR-1HR	8111	7875	236
EX14S01	100YR-24HR	22013	21774	239
EX14S01	100YR-8HR	15610	15373	237
EX14S01	10YR-1HR	5531	5296	236
EX14S01	10YR-24HR	14410	14145	265
EX14S01	10YR-8HR	10943	10705	238
EX14S01	25YR-72HR	23781	23516	265

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S05	100YR-1HR	14262	14004	259
EX14S05	100YR-24HR	39002	38752	250
EX14S05	100YR-8HR	27598	27345	253
EX14S05	10YR-1HR	9661	9403	258
EX14S05	10YR-24HR	25422	25149	273
EX14S05	10YR-8HR	19275	19023	252
EX14S05	25YR-72HR	42127	41855	272

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S08	100YR-1HR	25641	25642	-1
EX14S08	100YR-24HR	70336	70340	-5
EX14S08	100YR-8HR	49742	49748	-5
EX14S08	10YR-1HR	17339	17340	-1
EX14S08	10YR-24HR	45824	45827	-3
EX14S08	10YR-8HR	34724	34730	-6

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S08	25YR-72HR	75975	75977	-2

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S15	100YR-1HR	51300	51306	-7
EX14S15	100YR-24HR	139255	139255	1
EX14S15	100YR-8HR	98751	98750	2
EX14S15	10YR-1HR	35022	35006	17
EX14S15	10YR-24HR	91159	91158	0
EX14S15	10YR-8HR	69226	69225	2
EX14S15	25YR-72HR	150424	150435	-11

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S20	100YR-1HR	31386	31375	11
EX14S20	100YR-24HR	85181	85180	1
EX14S20	100YR-8HR	60405	60404	1
EX14S20	10YR-1HR	21403	21435	-32
EX14S20	10YR-24HR	55761	55760	0
EX14S20	10YR-8HR	42345	42344	1
EX14S20	25YR-72HR	92020	92007	13

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S28	100YR-1HR	4937	4937	0
EX14S28	100YR-24HR	13399	13399	0
EX14S28	100YR-8HR	9502	9502	0
EX14S28	10YR-1HR	3367	3367	0
EX14S28	10YR-24HR	8771	8771	0
EX14S28	10YR-8HR	6661	6661	0
EX14S28	25YR-72HR	14475	14475	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S30	100YR-1HR	17600	17653	-53
EX14S30	100YR-24HR	48968	49019	-51
EX14S30	100YR-8HR	34508	34560	-52
EX14S30	10YR-1HR	11807	11859	-52
EX14S30	10YR-24HR	31790	31846	-56
EX14S30	10YR-8HR	23979	24030	-51
EX14S30	25YR-72HR	52952	53008	-57

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S34	100YR-1HR	23824	23820	4
EX14S34	100YR-24HR	65768	65763	5
EX14S34	100YR-8HR	46437	46433	4
EX14S34	10YR-1HR	16068	16063	4
EX14S34	10YR-24HR	42810	42806	4
EX14S34	10YR-8HR	32356	32352	4
EX14S34	25YR-72HR	71102	71098	4

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S37	100YR-1HR	23820	23807	13
EX14S37	100YR-24HR	65763	65762	1
EX14S37	100YR-8HR	46433	46430	3
EX14S37	10YR-1HR	16063	16057	7
EX14S37	10YR-24HR	42806	42805	1
EX14S37	10YR-8HR	32352	32350	3
EX14S37	25YR-72HR	71098	71095	3

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX14S39	100YR-1HR	34210	34210	0
EX14S39	100YR-24HR	93996	93996	0
EX14S39	100YR-8HR	66452	66452	0
EX14S39	10YR-1HR	23151	23151	0
EX14S39	10YR-24HR	61288	61288	0
EX14S39	10YR-8HR	46386	46386	0
EX14S39	25YR-72HR	101596	101596	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15S29	100YR-1HR	13409	13384	25
EX15S29	100YR-24HR	36368	36343	25
EX15S29	100YR-8HR	25789	25765	25
EX15S29	10YR-1HR	9146	9121	25
EX15S29	10YR-24HR	23806	23778	28
EX15S29	10YR-8HR	18080	18055	25
EX15S29	25YR-72HR	39286	39258	28

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15S31	100YR-1HR	2139	2124	15
EX15S31	100YR-24HR	5756	5741	15
EX15S31	100YR-8HR	4086	4071	15
EX15S31	10YR-1HR	1466	1450	15
EX15S31	10YR-24HR	3774	3757	17
EX15S31	10YR-8HR	2870	2855	15
EX15S31	25YR-72HR	6217	6200	17

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15S33	100YR-1HR	17064	17061	3
EX15S33	100YR-24HR	46379	46379	0
EX15S33	100YR-8HR	32877	32877	0
EX15S33	10YR-1HR	11624	11624	0
EX15S33	10YR-24HR	30341	30341	0
EX15S33	10YR-8HR	23036	23036	0
EX15S33	25YR-72HR	50101	50101	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15S35	100YR-1HR	19882	19883	-1
EX15S35	100YR-24HR	54035	54035	0
EX15S35	100YR-8HR	38307	38307	0
EX15S35	10YR-1HR	13548	13548	0
EX15S35	10YR-24HR	35353	35353	0
EX15S35	10YR-8HR	26842	26842	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15S35	25YR-72HR	58372	58372	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15S36	100YR-1HR	4937	4937	0
EX15S36	100YR-24HR	13399	13399	0
EX15S36	100YR-8HR	9502	9502	0
EX15S36	10YR-1HR	3367	3367	0
EX15S36	10YR-24HR	8771	8771	0
EX15S36	10YR-8HR	6661	6661	0
EX15S36	25YR-72HR	14475	14475	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15S40	100YR-1HR	40558	40549	8
EX15S40	100YR-24HR	110065	110070	-4
EX15S40	100YR-8HR	78053	78058	-5
EX15S40	10YR-1HR	27660	27649	10
EX15S40	10YR-24HR	72051	72052	-1
EX15S40	10YR-8HR	54717	54721	-5
EX15S40	25YR-72HR	118903	118905	-2

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15S41	100YR-1HR	23451	23454	-3
EX15S41	100YR-24HR	63646	63647	-1
EX15S41	100YR-8HR	45134	45135	-1
EX15S41	10YR-1HR	15993	15996	-3
EX15S41	10YR-24HR	41664	41664	0
EX15S41	10YR-8HR	31640	31641	-1
EX15S41	25YR-72HR	68757	68757	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15S43	100YR-1HR	8993	8993	0
EX15S43	100YR-24HR	24406	24406	0
EX15S43	100YR-8HR	17307	17307	0
EX15S43	10YR-1HR	6132	6133	0
EX15S43	10YR-24HR	15976	15976	0
EX15S43	10YR-8HR	12133	12133	0
EX15S43	25YR-72HR	26365	26365	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX15S93	100YR-1HR	19660	19660	0
EX15S93	100YR-24HR	117	117	0
EX15S93	100YR-8HR	93801	93785	17
EX15S93	10YR-1HR	0	0	0
EX15S93	10YR-24HR	125	125	0
EX15S93	10YR-8HR	17292	17274	18
EX15S93	25YR-72HR	97644	97637	7

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX16S100A	100YR-1HR	10771	10667	104
EX16S100A	100YR-24HR	29192	29061	130
EX16S100A	100YR-8HR	20701	20584	117
EX16S100A	10YR-1HR	7350	7247	103
EX16S100A	10YR-24HR	19118	18587	531
EX16S100A	10YR-8HR	14512	14399	113
EX16S100A	25YR-72HR	31614	31153	461

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX16S101	100YR-1HR	29022	28996	26
EX16S101	100YR-24HR	78833	81601	-2767
EX16S101	100YR-8HR	55878	56245	-367
EX16S101	10YR-1HR	19770	19715	55
EX16S101	10YR-24HR	51175	48792	2383
EX16S101	10YR-8HR	39141	39780	-639
EX16S101	25YR-72HR	84983	84009	974

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX16S101A	100YR-1HR	28990	28818	172
EX16S101A	100YR-24HR	81600	78486	3114
EX16S101A	100YR-8HR	56245	55688	557
EX16S101A	10YR-1HR	19709	19567	142
EX16S101A	10YR-24HR	48783	50777	-1994
EX16S101A	10YR-8HR	39779	38944	835
EX16S101A	25YR-72HR	83930	84368	-438

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX16S66	100YR-1HR	5085	4764	321
EX16S66	100YR-24HR	16503	16018	485
EX16S66	100YR-8HR	11753	10798	955
EX16S66	10YR-1HR	3269	2886	383
EX16S66	10YR-24HR	9904	9876	28
EX16S66	10YR-8HR	7576	7126	450
EX16S66	25YR-72HR	13675	16888	-3214

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX16S66A	100YR-1HR	17669	17585	84
EX16S66A	100YR-24HR	37185	37181	5
EX16S66A	100YR-8HR	21964	21924	40
EX16S66A	10YR-1HR	17462	17378	84
EX16S66A	10YR-24HR	35155	35149	6
EX16S66A	10YR-8HR	21410	21371	38
EX16S66A	25YR-72HR	62991	62868	123

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX16S66B	100YR-1HR	4836	4572	263
EX16S66B	100YR-24HR	16023	15913	110
EX16S66B	100YR-8HR	10833	11162	-330
EX16S66B	10YR-1HR	2948	2743	204
EX16S66B	10YR-24HR	9934	9299	635
EX16S66B	10YR-8HR	7129	6983	147

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX16S66B	25YR-72HR	17934	12889	5045

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX16S95	100YR-1HR	3259	3160	99
EX16S95	100YR-24HR	7690	7590	100
EX16S95	100YR-8HR	5451	5350	101
EX16S95	10YR-1HR	1939	1838	101
EX16S95	10YR-24HR	5052	4934	118
EX16S95	10YR-8HR	3830	3729	101
EX16S95	25YR-72HR	8761	8715	47

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX16S95A	100YR-1HR	3247	3145	101
EX16S95A	100YR-24HR	7707	7606	100
EX16S95A	100YR-8HR	5453	5353	101
EX16S95A	10YR-1HR	1926	1827	99
EX16S95A	10YR-24HR	5069	4959	109
EX16S95A	10YR-8HR	3836	3736	101
EX16S95A	25YR-72HR	8858	8623	235

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX16S96	100YR-1HR	5290	5279	10
EX16S96	100YR-24HR	14357	14354	3
EX16S96	100YR-8HR	10181	10161	20
EX16S96	10YR-1HR	3607	3598	9
EX16S96	10YR-24HR	9398	9397	1
EX16S96	10YR-8HR	7137	7119	19
EX16S96	25YR-72HR	15509	15469	41

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX16S99	100YR-1HR	29732	29731	1
EX16S99	100YR-24HR	102617	102618	-1
EX16S99	100YR-8HR	74703	74686	16
EX16S99	10YR-1HR	12793	12792	0
EX16S99	10YR-24HR	53530	53396	133
EX16S99	10YR-8HR	44112	44089	23
EX16S99	25YR-72HR	88159	88041	118

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 14W1	100YR-1HR	200757	271107	-70350
POND 14W1	100YR-24HR	620251	684661	-64409
POND 14W1	100YR-8HR	493365	548447	-55081
POND 14W1	10YR-1HR	129417	199780	-70362
POND 14W1	10YR-24HR	356689	420583	-63894
POND 14W1	10YR-8HR	341922	396996	-55074
POND 14W1	25YR-72HR	837949	880417	-42468

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 15E1	100YR-1HR	94276	94159	116
POND 15E1	100YR-24HR	264311	264231	80
POND 15E1	100YR-8HR	204107	203993	115
POND 15E1	10YR-1HR	56253	56153	100
POND 15E1	10YR-24HR	161790	161724	67
POND 15E1	10YR-8HR	122758	122651	107
POND 15E1	25YR-72HR	325394	325302	93

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 15E2	100YR-1HR	90772	90760	12
POND 15E2	100YR-24HR	253853	253836	17
POND 15E2	100YR-8HR	139534	139513	20
POND 15E2	10YR-1HR	57240	57229	11
POND 15E2	10YR-24HR	147369	147365	5
POND 15E2	10YR-8HR	114334	114313	21
POND 15E2	25YR-72HR	233661	233668	-7

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 16E1	100YR-1HR	47912	47995	-83
POND 16E1	100YR-24HR	140299	140450	-151
POND 16E1	100YR-8HR	97382	97316	65
POND 16E1	10YR-1HR	30769	30855	-85
POND 16E1	10YR-24HR	88712	89337	-626
POND 16E1	10YR-8HR	66259	66172	87
POND 16E1	25YR-72HR	151042	151972	-930

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR14F-D	100YR-1HR	15693	15536	157
PR14F-D	100YR-24HR	42590	42433	157
PR14F-D	100YR-8HR	30203	30046	157
PR14F-D	10YR-1HR	10702	10545	157
PR14F-D	10YR-24HR	27880	27703	177
PR14F-D	10YR-8HR	21173	21016	157
PR14F-D	25YR-72HR	46010	45833	177

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR14S09	100YR-1HR	42177	42081	96
PR14S09	100YR-24HR	115323	115223	100
PR14S09	100YR-8HR	81638	81538	100
PR14S09	10YR-1HR	28607	28510	96
PR14S09	10YR-24HR	75274	75160	113
PR14S09	10YR-8HR	57086	56987	100
PR14S09	25YR-72HR	124572	124459	113

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR14S101	100YR-1HR	22393	22393	0
PR14S101	100YR-24HR	60775	60775	0
PR14S101	100YR-8HR	43098	43098	0
PR14S101	10YR-1HR	15271	15271	0
PR14S101	10YR-24HR	39784	39784	0
PR14S101	10YR-8HR	30213	30213	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR14S101	25YR-72HR	65655	65655	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR14S103	100YR-1HR	154917	154933	-16
PR14S103	100YR-24HR	370419	370409	10
PR14S103	100YR-8HR	340819	340639	181
PR14S103	10YR-1HR	123534	123559	-24
PR14S103	10YR-24HR	237264	237279	-15
PR14S103	10YR-8HR	267905	267741	164
PR14S103	25YR-72HR	610280	609974	306

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR14S104	100YR-1HR	155882	155950	-68
PR14S104	100YR-24HR	379898	380151	-253
PR14S104	100YR-8HR	331871	331795	77
PR14S104	10YR-1HR	122484	122482	3
PR14S104	10YR-24HR	246044	246280	-236
PR14S104	10YR-8HR	258034	257967	67
PR14S104	25YR-72HR	580682	580114	569

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR14S105	100YR-1HR	116936	116908	28
PR14S105	100YR-24HR	287545	286848	697
PR14S105	100YR-8HR	250804	249959	845
PR14S105	10YR-1HR	92468	92443	26
PR14S105	10YR-24HR	186591	185896	694
PR14S105	10YR-8HR	196031	195148	883
PR14S105	25YR-72HR	407300	406781	519

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR14S106	100YR-1HR	130524	130505	19
PR14S106	100YR-24HR	332314	332193	121
PR14S106	100YR-8HR	267025	266836	189
PR14S106	10YR-1HR	97879	97849	30
PR14S106	10YR-24HR	217241	217099	142
PR14S106	10YR-8HR	201232	201046	187
PR14S106	25YR-72HR	428523	428065	458

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR14S107	100YR-1HR	85188	85211	-23
PR14S107	100YR-24HR	204823	204717	106
PR14S107	100YR-8HR	156092	155775	317
PR14S107	10YR-1HR	63731	63730	1
PR14S107	10YR-24HR	142196	142123	73
PR14S107	10YR-8HR	117625	117312	312
PR14S107	25YR-72HR	302074	301626	447

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR14S108	100YR-1HR	19801	19788	13
PR14S108	100YR-24HR	41686	41626	60
PR14S108	100YR-8HR	27955	27816	140
PR14S108	10YR-1HR	14961	14960	0
PR14S108	10YR-24HR	33812	33727	85
PR14S108	10YR-8HR	21477	21333	145
PR14S108	25YR-72HR	83580	83264	316

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR14S12	100YR-1HR	65199	65097	102
PR14S12	100YR-24HR	178234	178134	100
PR14S12	100YR-8HR	126176	126075	101
PR14S12	10YR-1HR	44225	44124	102
PR14S12	10YR-24HR	116333	116220	113
PR14S12	10YR-8HR	88231	88131	101
PR14S12	25YR-72HR	192521	192408	114

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR14S13	100YR-1HR	67397	67582	-185
PR14S13	100YR-24HR	183281	183281	0
PR14S13	100YR-8HR	129970	129970	0
PR14S13	10YR-1HR	46066	46065	1
PR14S13	10YR-24HR	119978	119978	0
PR14S13	10YR-8HR	91111	91111	0
PR14S13	25YR-72HR	198296	198061	235

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR14S14	100YR-1HR	14106	14106	0
PR14S14	100YR-24HR	38283	38283	0
PR14S14	100YR-8HR	27148	27148	0
PR14S14	10YR-1HR	9620	9620	0
PR14S14	10YR-24HR	25061	25061	0
PR14S14	10YR-8HR	19031	19032	0
PR14S14	25YR-72HR	41358	41358	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR14S17	100YR-1HR	59594	59462	131
PR14S17	100YR-24HR	161746	161746	0
PR14S17	100YR-8HR	114699	114699	0
PR14S17	10YR-1HR	40657	40655	3
PR14S17	10YR-24HR	105881	105882	0
PR14S17	10YR-8HR	80406	80406	0
PR14S17	25YR-72HR	174733	175032	-300

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR14S19	100YR-1HR	16575	16574	0
PR14S19	100YR-24HR	44983	44983	0
PR14S19	100YR-8HR	31899	31899	0
PR14S19	10YR-1HR	11303	11303	0
PR14S19	10YR-24HR	29447	29447	0
PR14S19	10YR-8HR	22362	22362	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR14S19	25YR-72HR	48595	48595	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR14S21	100YR-1HR	14811	14811	0
PR14S21	100YR-24HR	40198	40198	0
PR14S21	100YR-8HR	28506	28506	0
PR14S21	10YR-1HR	10101	10100	0
PR14S21	10YR-24HR	26314	26314	0
PR14S21	10YR-8HR	19983	19983	0
PR14S21	25YR-72HR	43425	43425	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR14S32	100YR-1HR	5151	5081	70
PR14S32	100YR-24HR	15061	14991	70
PR14S32	100YR-8HR	10484	10414	70
PR14S32	10YR-1HR	3340	3270	70
PR14S32	10YR-24HR	9627	9548	79
PR14S32	10YR-8HR	7158	7088	70
PR14S32	25YR-72HR	16326	16247	79

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR14S38A	100YR-1HR	212012	212026	-14
PR14S38A	100YR-24HR	611677	612586	-909
PR14S38A	100YR-8HR	471038	470955	84
PR14S38A	10YR-1HR	140388	140414	-26
PR14S38A	10YR-24HR	342377	342266	112
PR14S38A	10YR-8HR	318062	318073	-11
PR14S38A	25YR-72HR	748067	747776	292

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR14S40	100YR-1HR	50256	50256	0
PR14S40	100YR-24HR	137543	137543	0
PR14S40	100YR-8HR	97334	97334	0
PR14S40	10YR-1HR	34094	34094	0
PR14S40	10YR-24HR	89794	89794	0
PR14S40	10YR-8HR	68034	68034	0
PR14S40	25YR-72HR	148640	148640	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR14SD2	100YR-1HR	26801	26732	69
PR14SD2	100YR-24HR	72739	72739	0
PR14SD2	100YR-8HR	51582	51582	0
PR14SD2	10YR-1HR	18277	18277	0
PR14SD2	10YR-24HR	47616	47616	0
PR14SD2	10YR-8HR	36160	36160	0
PR14SD2	25YR-72HR	78579	78596	-17

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR15S03	100YR-1HR	25214	25186	28
PR15S03	100YR-24HR	68431	68427	4
PR15S03	100YR-8HR	48527	48517	10
PR15S03	10YR-1HR	17196	17171	25
PR15S03	10YR-24HR	44796	44793	3
PR15S03	10YR-8HR	34018	34011	7
PR15S03	25YR-72HR	73926	73919	6

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR15S06	100YR-1HR	8287	8287	1
PR15S06	100YR-24HR	22492	22491	0
PR15S06	100YR-8HR	15950	15949	1
PR15S06	10YR-1HR	5651	5652	-1
PR15S06	10YR-24HR	14723	14723	0
PR15S06	10YR-8HR	11181	11180	1
PR15S06	25YR-72HR	24298	24297	1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR15S101	100YR-1HR	104388	104412	-25
PR15S101	100YR-24HR	253838	253959	-120
PR15S101	100YR-8HR	141607	141817	-210
PR15S101	10YR-1HR	65105	65130	-25
PR15S101	10YR-24HR	147368	147082	286
PR15S101	10YR-8HR	123652	123897	-245
PR15S101	25YR-72HR	234606	234370	236

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR15S102	100YR-1HR	112950	112934	17
PR15S102	100YR-24HR	283595	283444	151
PR15S102	100YR-8HR	161234	160844	390
PR15S102	10YR-1HR	71281	71262	19
PR15S102	10YR-24HR	164773	165199	-426
PR15S102	10YR-8HR	137042	136589	452
PR15S102	25YR-72HR	263591	263615	-24

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR15S103	100YR-1HR	108903	108852	50
PR15S103	100YR-24HR	288464	288481	-17
PR15S103	100YR-8HR	168297	168040	257
PR15S103	10YR-1HR	70383	70338	44
PR15S103	10YR-24HR	171912	171719	193
PR15S103	10YR-8HR	137956	137744	212
PR15S103	25YR-72HR	271758	271023	734

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR15S104	100YR-1HR	66725	66729	-4
PR15S104	100YR-24HR	176796	176777	19
PR15S104	100YR-8HR	109472	109326	145
PR15S104	10YR-1HR	43026	43017	9
PR15S104	10YR-24HR	105087	105103	-16
PR15S104	10YR-8HR	86945	86739	205

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR15S104	25YR-72HR	171554	170986	568

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR15S105	100YR-1HR	31932	31910	22
PR15S105	100YR-24HR	83682	83683	-1
PR15S105	100YR-8HR	58626	58452	173
PR15S105	10YR-1HR	19959	19959	0
PR15S105	10YR-24HR	49663	49656	7
PR15S105	10YR-8HR	42404	42279	126
PR15S105	25YR-72HR	88798	88607	190

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR15S11	100YR-1HR	14282	14281	1
PR15S11	100YR-24HR	38762	38761	1
PR15S11	100YR-8HR	27488	27487	1
PR15S11	10YR-1HR	9740	9739	1
PR15S11	10YR-24HR	25374	25373	1
PR15S11	10YR-8HR	19269	19268	1
PR15S11	25YR-72HR	41874	41873	1

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR15S68	100YR-1HR	10403	10403	0
PR15S68	100YR-24HR	28234	28234	0
PR15S68	100YR-8HR	20022	20022	0
PR15S68	10YR-1HR	7094	7094	0
PR15S68	10YR-24HR	18482	18482	0
PR15S68	10YR-8HR	14036	14036	0
PR15S68	25YR-72HR	30501	30501	0

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR15S68A	100YR-1HR	16861	16858	2
PR15S68A	100YR-24HR	46878	46877	1
PR15S68A	100YR-8HR	21581	21566	15
PR15S68A	10YR-1HR	13929	13929	0
PR15S68A	10YR-24HR	34221	34220	1
PR15S68A	10YR-8HR	18845	18830	15
PR15S68A	25YR-72HR	72170	72131	38

Node Mass Balance Condensed [Scenario1]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
PR16S94	100YR-1HR	2319	2316	3
PR16S94	100YR-24HR	5536	5536	1
PR16S94	100YR-8HR	4775	4759	16
PR16S94	10YR-1HR	1671	1668	3
PR16S94	10YR-24HR	3345	3344	1
PR16S94	10YR-8HR	3178	3163	16
PR16S94	25YR-72HR	4607	4566	41

System 17

Pre-Development Land Use Tables
Post-Development Land Use Tables
Water Quality Summary Table
Drainage Calculations
Drainage System Summary Tables
Pre-Development Node Link Diagram
Pre-Development ICPR Input/Output
Post-Development Node Link Diagram
Post-Development ICPR Input/Output

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

TABLE 17-1: PRE-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 17 **SHGWT EL. (ft-NAVD): 1.43**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
17B01	**10**	**4.41**	**4.41**	4.37	0.00	0.04	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
17B05	**10**	**0.30**	**0.30**	0.27	0.00	0.03	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**92.44**
17B06	**10**	**0.61**	**0.61**	0.58	0.00	0.03	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**96.13**
17B09	**10**	**0.28**	**0.28**	0.25	0.00	0.03	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**91.94**
17B15	**10**	**0.16**	**0.16**	0.16	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
17B16	**10**	**0.41**	**0.41**	0.41	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
17B18	**10**	**0.50**	**0.50**	0.48	0.00	0.02	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**96.83**
17B19	**10**	**0.40**	**0.40**	0.26	0.00	0.14	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**77.74**
17B20	**10**	**1.24**	**1.24**	1.05	0.00	0.19	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**88.86**
17B22	**10**	**1.34**	**1.34**	0.87	0.00	0.47	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**77.71**
17B23	**10**	**0.60**	**0.60**	0.60	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
17B24	**10**	**0.29**	**0.29**	0.29	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
17B25	**10**	**8.60**	**8.60**	7.72	0.00	0.88	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**92.28**
17B26	**10**	**0.96**	**0.96**	0.82	0.00	0.14	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**89.34**
17B29	**10**	**0.53**	**0.53**	0.53	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
17B30	**10**	**1.01**	**1.01**	0.91	0.00	0.10	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**92.51**
17B31	**10**	**2.84**	**2.84**	2.33	0.00	0.51	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**87.19**
17B32	**10**	**0.22**	**0.22**	0.22	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
17B01-OFFSITE	**10**	**20.72**	**0.00**	0.00	0.00	0.00	**20.72**	20.72	0.00	0.00	8.45	7.02	8.18	**98.00**
POND 17W1	**10**	**7.54**	**7.54**	3.54	0.00	4.00	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**97.67**
POND 17E1	**10**	**7.07**	**7.07**	2.34	0.00	4.73	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**97.08**
POND 17W3	**10**	**1.73**	**1.73**	0.46	0.00	1.27	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**96.80**
POND 17E2	**10**	**2.28**	**2.28**	0.73	0.00	1.55	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**97.03**
POND 17E3	**10**	**0.55**	**0.55**	0.00	0.00	0.55	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**95.69**
POND 17E4	**10**	**0.94**	**0.94**	0.14	0.00	0.80	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**96.31**
POND 17E5	**10**	**1.20**	**1.20**	0.25	0.00	0.95	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**96.56**
POND 17E6	**10**	**0.67**	**0.67**	0.00	0.00	0.67	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**95.69**
SYSTEM 17 TOTALS		**67.40**	**46.68**	**29.58**	**0.00**	**17.10**	**20.72**	**20.72**	**0.00**	**0.00**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 17 **SHGWT EL. (ft-NAVD): 1.43**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
17B01	**10**	**4.41**	**4.41**	4.37	0.00	0.04	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
17B05	**10**	**0.30**	**0.30**	0.27	0.00	0.03	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**92.44**
17B06	**10**	**0.61**	**0.61**	0.58	0.00	0.03	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**96.13**
17B09	**10**	**0.28**	**0.28**	0.25	0.00	0.03	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**91.94**
17B15	**10**	**0.13**	**0.13**	0.13	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
17B16	**10**	**0.40**	**0.40**	0.40	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
17B18	**10**	**0.49**	**0.49**	0.49	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
17B19	**10**	**0.32**	**0.32**	0.32	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
17B20	**10**	**1.47**	**1.47**	1.47	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
17B22	**10**	**1.37**	**1.37**	1.37	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
17B23	**10**	**0.63**	**0.63**	0.63	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
17B24	**10**	**0.33**	**0.33**	0.33	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
17B25	**10**	**9.30**	**9.30**	8.83	0.00	0.47	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**96.03**
17B26	**10**	**0.95**	**0.95**	0.95	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
17B29	**10**	**0.55**	**0.55**	0.55	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
17B30	**10**	**0.96**	**0.96**	0.90	0.00	0.06	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**95.14**
17B31	**10**	**2.90**	**2.90**	2.43	0.00	0.47	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**88.29**
17B32	**10**	**0.22**	**0.22**	0.22	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
17B01-OFFSITE	**10**	**20.18**	**0.00**	0.00	0.00	0.00	**20.18**	20.18	0.00	0.00	8.45	7.02	8.18	**98.00**
POND 17W1	**10**	**7.10**	**7.10**	3.37	0.00	3.73	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**97.69**
POND 17E1	**10**	**6.87**	**6.87**	2.53	0.00	4.34	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**97.24**
POND 17W3	**10**	**1.67**	**1.67**	0.69	0.00	0.98	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**97.43**
POND 17E2	**10**	**2.24**	**2.24**	0.98	0.00	1.26	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**97.53**
POND 17E3	**10**	**0.55**	**0.55**	0.00	0.00	0.55	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**95.69**
POND 17E4	**10**	**0.94**	**0.94**	0.14	0.00	0.80	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**96.31**
POND 17E5	**10**	**1.21**	**1.21**	0.24	0.00	0.97	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**96.52**
POND 17E6	**10**	**0.67**	**0.67**	0.00	0.00	0.67	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**95.69**
SYSTEM TOTALS		**67.05**	**46.87**	**32.44**	**0.00**	**14.43**	**20.18**	**20.18**	**0.00**	**0.00**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS
WATER QUALITY

Drainage System: ***17***

SYSTEM	SHGWT EL. (ft-NAVD)	TOTAL ONSITE AREA (Ac.) *[POST-DEV.]*	ONSITE IMPERVIOUS AREA (Ac.) *[POST-DEV.]*	ONSITE PERVIOUS AREA (Ac.) *[POST-DEV.]*	SFWMD 1" OVER TOTAL ONSITE AREA (Ac-ft)	SFWMD 2.5" OVER IMPERVIOUS AREA (Ac-ft)	[1] SFWMD WATER QUALITY TREATMENT REQUIRED FOR RETENTION (Ac-ft)	[2] DRER WATER QUALITY TREATMENT REQUIRED (Ac-ft)	DRY- / WET-RETENTION TREATMENT VOLUME PROVIDED (Ac-ft)	FRENCH DRAIN TREATMENT VOLUME PROVIDED (Ac-ft)	TOTAL TREATMENT VOLUME PROVIDED (Ac-ft)	SURPLUS TREATMENT VOLUME PROVIDED (Ac-ft)
17	1.43	46.87	32.44	14.43	3.91	6.76	**3.38**	**5.87**	8.04	0.00	**8.04**	**2.17**
SYSTEM TOTAL	1.43	46.87	32.44	14.43	3.91	6.76	**3.38**	**5.87**	8.04	0.00	**8.04**	**2.17**

[1] Greater of 1" over Total Onsite Area and 2.5" over Onsite Impervious Area, multiplied by 0.50 to account for 50% retention volume required.
[2] See next page for water quality calculations by Miami-Dade Department of Regulatory and Economic Resources (DRER).

POND 17W1			POND 17E1			POND 17W3			POND 17E2			POND 17E3			POND 17E4			POND 17E5			POND 17E6		
TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.43	2.82		2.43	3.59		2.43	0.38		2.43	0.48		2.43	0.22		2.43	0.47		2.43	0.24		2.43	0.32	
3.33	2.88	2.56	*3.33*	*3.74*	3.30	3.33	0.45	0.37	3.33	0.56	0.47	3.33	0.25	0.21	3.33	0.54	0.45	3.33	0.34	0.26	3.33	0.39	0.32
3.34	**2.88**	**2.59**	**3.34**	**3.74**	**3.34**	**3.34**	**0.45**	**0.38**	**3.34**	**0.56**	**0.47**	**3.34**	**0.25**	**0.21**	**3.34**	**0.54**	**0.46**	**3.34**	**0.34**	**0.26**	**3.34**	**0.39**	**0.32**
5.43	3.03	8.77	5.43	4.09	*11.51*	5.43	0.59	*1.46*	5.43	0.75	*1.84*	5.43	0.34	*0.83*	5.43	0.70	*1.76*	5.43	0.59	*1.24*	5.43	0.56	*1.32*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

TABLE 17-6: WATER QUALITY CALCULATIONS BY DRER

Drainage System: 17

AREA:

Onsite Impervious	**32.44**	Ac.	69%
Onsite Pervious	**14.43**	Ac.	31%
Total Area	**46.87**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.72 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV}) / A_T = \mathbf{0.72}$$

$t_{1"}$ = 13.26 min.

TOTAL TIME OF CONCENTRATION (T_T)

$T_T = t_{1"} + Tc =$ 23.26 min.

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.47 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ CiAT_t =$ **255900.25** **cf** **5.87** **ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

Variable Groundwater Calculations

Drainage System:	***17***

Stage = DHW + [PRG x (RF - DHW)]
See ADICPR Technical Design Guide 2-25

Elevation Conversion:	-1.57	ft.	(NGVD-NAVD)

DHW =	3.00	ft. - NGVD	Design High Water / October Average Groundwater Elevation
	1.43	ft. - NAVD	(MD PWD - W.C. 2.2)
RF =	4.00	ft. - NGVD	Return Frequency Groundwater Elevation / Average Yearly Highest Groundwater Level (AYH) (MD PWD
	2.43	ft. - NAVD	- W.C. 2.1)
PRG=	Variable		(Percentage Rise in Groundwater)

8-hr Design Storm Duration

Time	PRG	Stage
(hrs)	%	(ft)
0	0.00	1.43
1	0.02	1.45
2	0.13	1.56
3	0.28	1.71
4	0.70	2.13
5	0.86	2.29
6	0.92	2.35
7	0.97	2.40
8	1.00	2.43
12	0.00	1.43

24-hr Design Storm Duration

Time	PRG	Stage
(hrs)	%	(ft)
0	0.00	1.43
1	0.01	1.44
2	0.03	1.46
3	0.06	1.49
4	0.09	1.52
5	0.12	1.55
6	0.16	1.59
7	0.20	1.63
8	0.24	1.67
9	0.30	1.73
10	0.36	1.79
11	0.44	1.87
12	0.54	1.97
13	0.61	2.04
14	0.67	2.10
15	0.73	2.16
16	0.78	2.21
17	0.82	2.25
18	0.86	2.29
19	0.90	2.33
20	0.93	2.36
21	0.96	2.39
22	0.98	2.41
23	0.99	2.42
24	1.00	2.43
36	0.00	1.43

72-hr Design Storm Duration

Time	PRG	Stage
(hrs)	%	(ft)
0	0.00	1.43
24	0.11	1.54
36	0.19	1.62
48	0.26	1.69
49	0.27	1.70
50	0.28	1.71
51	0.29	1.72
52	0.30	1.73
53	0.31	1.74
54	0.33	1.76
55	0.34	1.77
56	0.37	1.80
57	0.39	1.82
57.5	0.40	1.83
58	0.42	1.85
58.5	0.44	1.87
59	0.46	1.89
59.5	0.50	1.93
60	0.75	2.18
60.5	0.80	2.23
61	0.83	2.26
61.5	0.85	2.28
62	0.87	2.30
62.5	0.88	2.31
63	0.89	2.32
64	0.91	2.34
65	0.92	2.35
66	0.94	2.37
68	0.96	2.39
70	0.98	2.41
72	1.00	2.43
108	0.00	1.43

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

VARIABLE TAILWATER

FOR SYSTEM 17:

8HR			24HR			72HR		
TIME	STAGE (FT-NGVD)	STAGE (FT-NGVD)	TIME	STAGE (FT-NGVD)	STAGE (FT-NGVD)	TIME	STAGE (FT-NGVD)	STAGE (FT-NGVD)
0.00	3.00	1.43	0.00	3.00	1.43	0.00	3.00	1.43
8.00	4.00	2.43	24.00	4.00	2.43	72.00	4.00	2.43
12.00	3.00	1.43	36.00	3.00	1.43	108.00	3.00	1.43

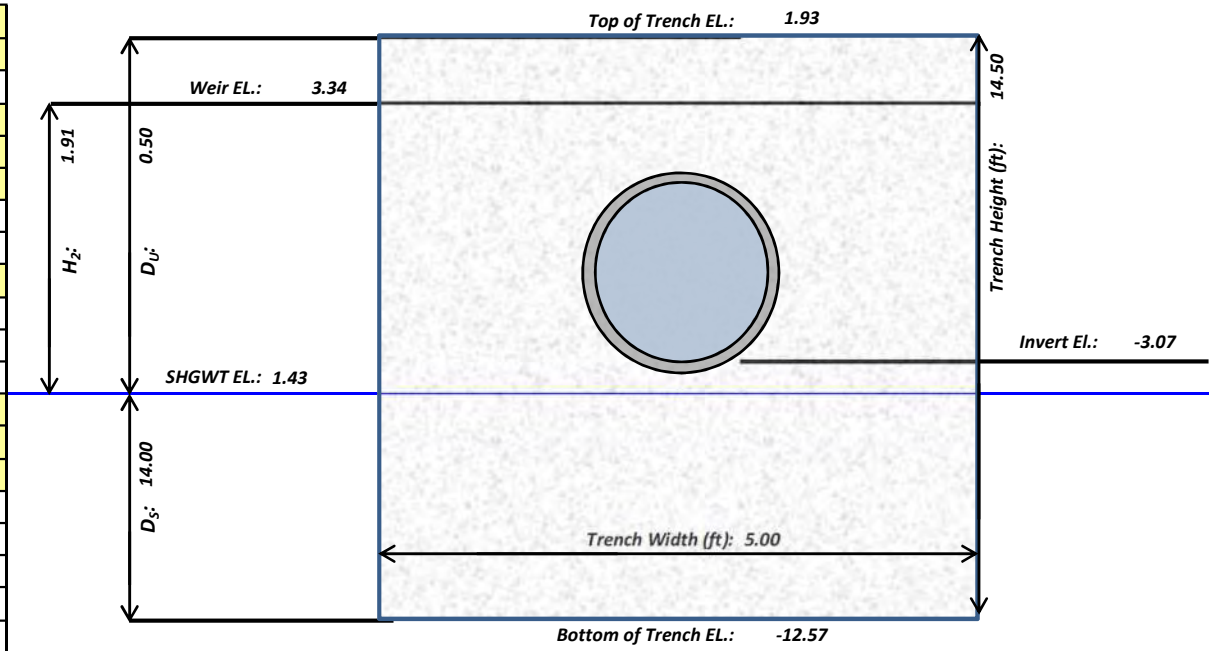
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 17

French Drain (ICPR Link Name):	EX17S01_17GW01
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	284.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	142.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	3.34
Trench Width, W (ft):	5.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.91
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	9.55
$2H_2D_U$:	1.91
D_U^2:	0.25
$2H_2D_S$:	53.48
$(1.39x10^{-4})WD_U$:	0.000348
d_2:	0.00
d_3:	4.07
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	4.74E-03
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	9.97E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	37.16
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**37.16**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 17

French Drain (ICPR Link Name): **EX17S01_17GW01**
Existing/Proposed: **Existing**
Pipe Size (in): **36**
Length of French Drain, *L* (LF) * : **142.00**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **5.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **3.34**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.43***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.10000	**28.4000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.43**	0.50	14.00	4.00	0.10000	**28.4000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.43**	-0.50	15.00	3.00	0.10000	**28.4000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**28.4000**
1.43	**5.43**	**28.4000**
2.43	**2.43**	**0.0000**
2.43	**5.43**	**28.4000**

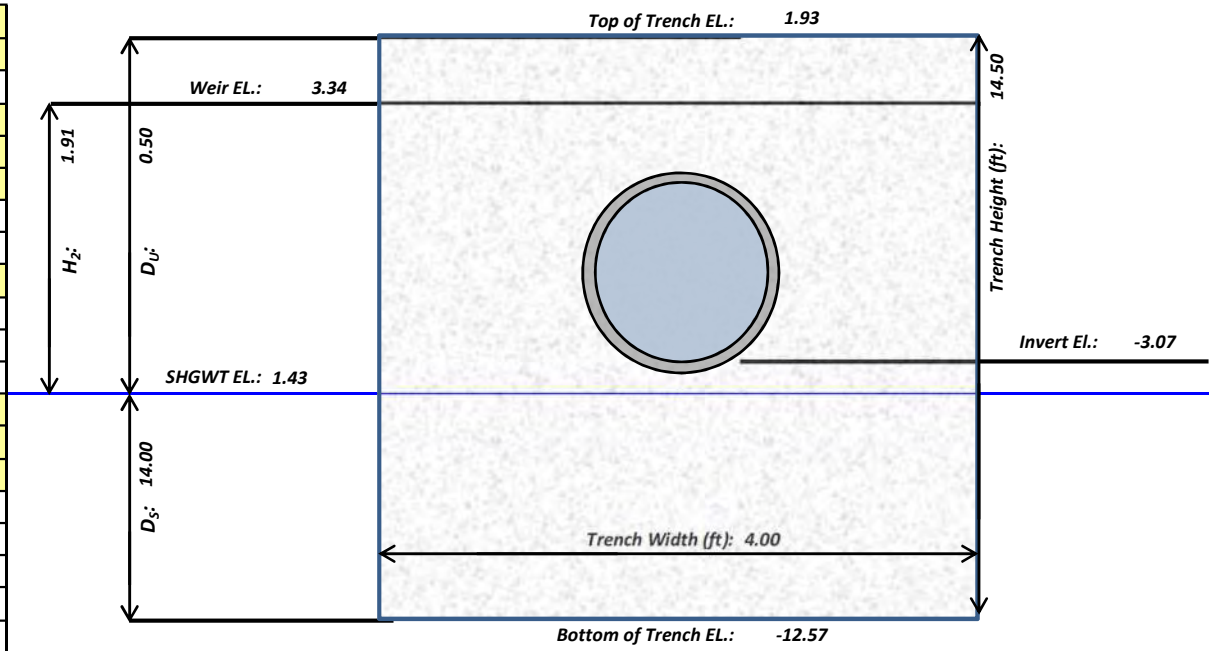
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 17

French Drain (ICPR Link Name):	EX17S04_17GW04
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	84.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	42.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	3.34
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.91
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	7.64
$2H_2D_U$:	1.91
D_U^2:	0.25
$2H_2D_S$:	53.48
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
K_{10} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	1.61E-03
K_{15} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	5.87E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	3.74
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**3.74**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 17

French Drain (ICPR Link Name): **EX17S04_17GW04**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **42.00**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **3.34**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.43***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.05229	**2.1963**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.43**	0.50	14.00	4.00	0.10000	**8.4000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.43**	-0.50	15.00	3.00	0.10000	**8.4000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**2.1963**
1.43	**5.43**	**8.4000**
2.43	**2.43**	**0.0000**
2.43	**5.43**	**8.4000**

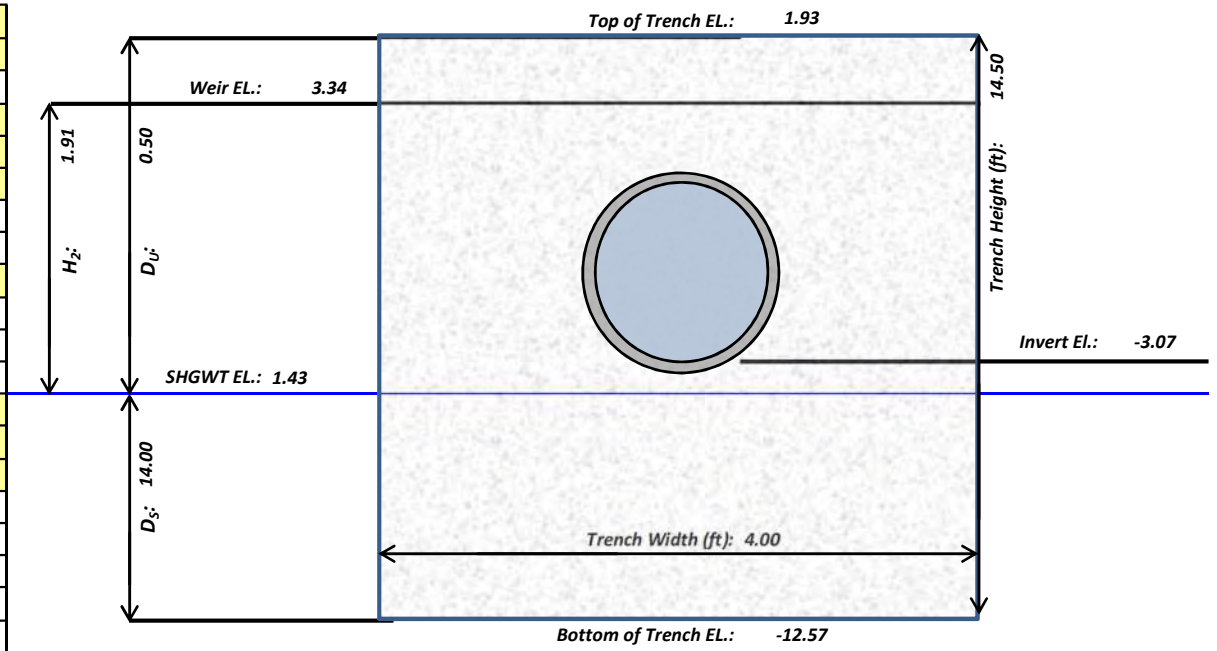
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 17

French Drain (ICPR Link Name):	EX17S07_17GW07
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	59.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	29.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	3.34
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.91
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	7.64
$2H_2D_U$:	1.91
D_U^2:	0.25
$2H_2D_S$:	53.48
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
K_{10} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	8.55E-04
K_{15} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	1.18E-02
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	1.40
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**1.40**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 17

French Drain (ICPR Link Name): **EX17S07_17GW07**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **29.50**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **3.34**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.43***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.07118	**2.0999**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.43**	0.50	14.00	4.00	0.10000	**5.9000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.43**	-0.50	15.00	3.00	0.10000	**5.9000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**2.0999**
1.43	**5.43**	**5.9000**
2.43	**2.43**	**0.0000**
2.43	**5.43**	**5.9000**

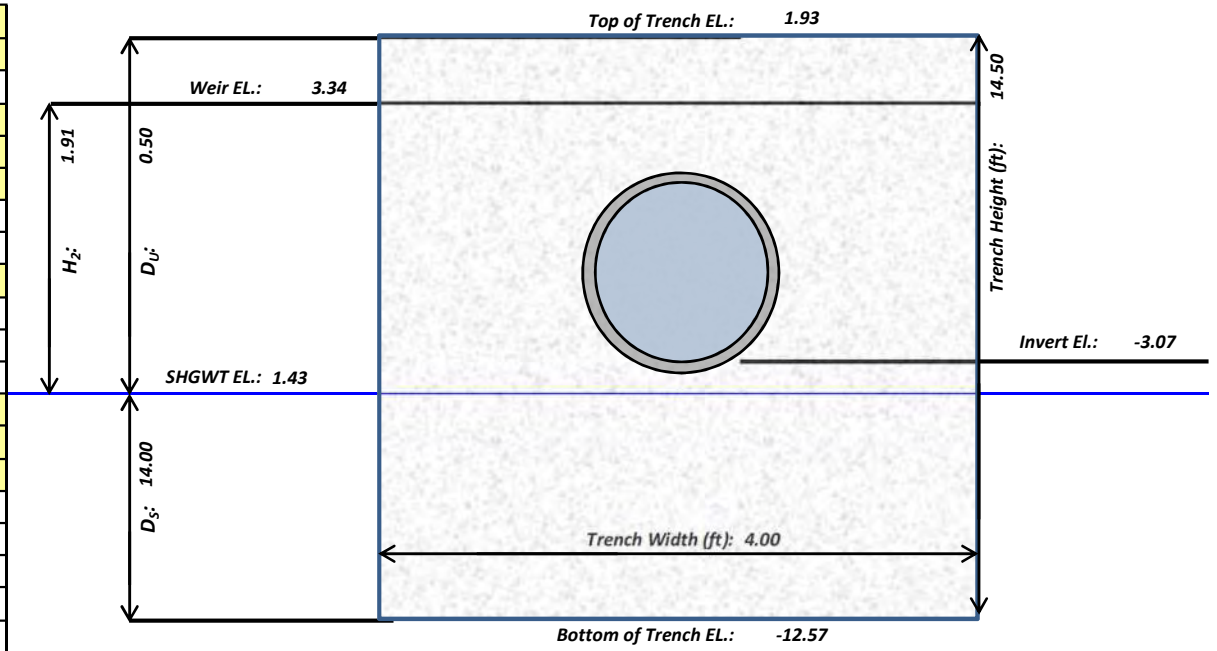
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 17

French Drain (ICPR Link Name):	EX17S10_17GW10
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	284.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	142.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	3.34
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.91
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	7.64
$2H_2D_U$:	1.91
D_U^2:	0.25
$2H_2D_S$:	53.48
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
K_{10} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	8.55E-04
K_{15} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	1.18E-02
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	6.73
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**6.73**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 17

French Drain (ICPR Link Name): **EX17S10_17GW10**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **142.00**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **3.34**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.43***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**
*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

*** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.07118	**10.1081**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.43**	0.50	14.00	4.00	0.10000	**28.4000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.43**	-0.50	15.00	3.00	0.10000	**28.4000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**10.1081**
1.43	**5.43**	**28.4000**
2.43	**2.43**	**0.0000**
2.43	**5.43**	**28.4000**

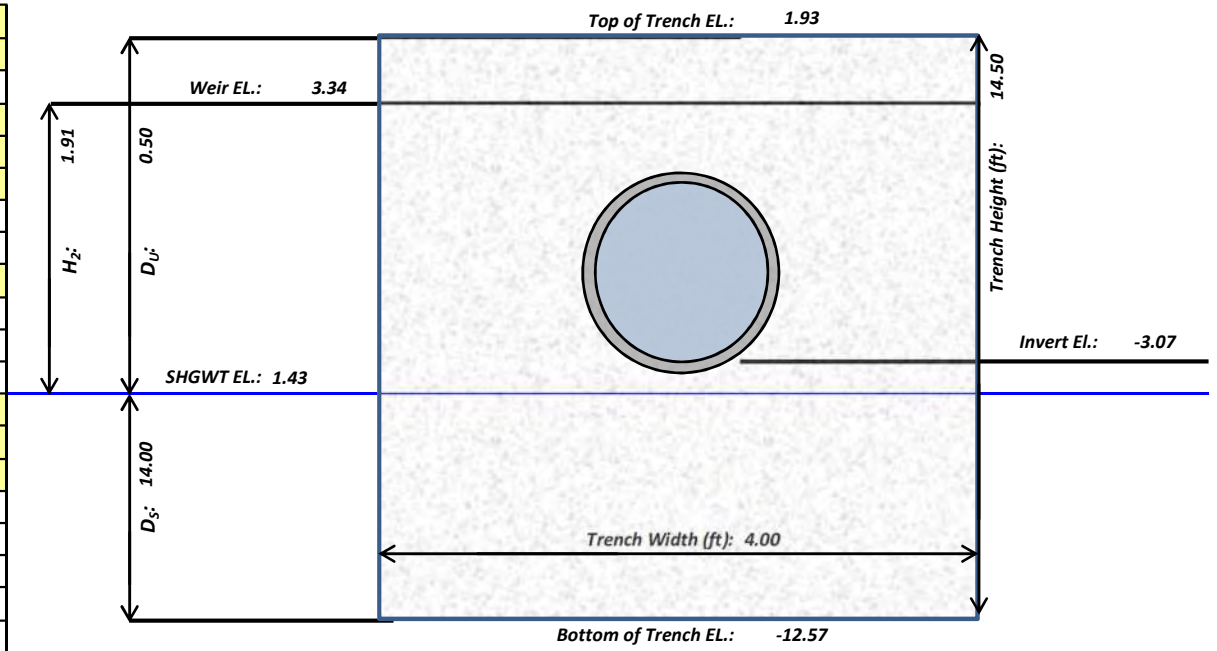
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 17

French Drain (ICPR Link Name):	EX17S14_17GW14
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	84.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	42.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	3.34
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.91
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	7.64
$2H_2D_U$:	1.91
D_U^2:	0.25
$2H_2D_S$:	53.48
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	1.17E-03
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	6.79E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	2.72
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**2.72**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 17

French Drain (ICPR Link Name): **EX17S14_17GW14**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **42.00**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **3.34**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.43***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.05062	**2.1261**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.43**	0.50	14.00	4.00	0.10000	**8.4000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.43**	-0.50	15.00	3.00	0.10000	**8.4000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**2.1261**
1.43	**5.43**	**8.4000**
2.43	**2.43**	**0.0000**
2.43	**5.43**	**8.4000**

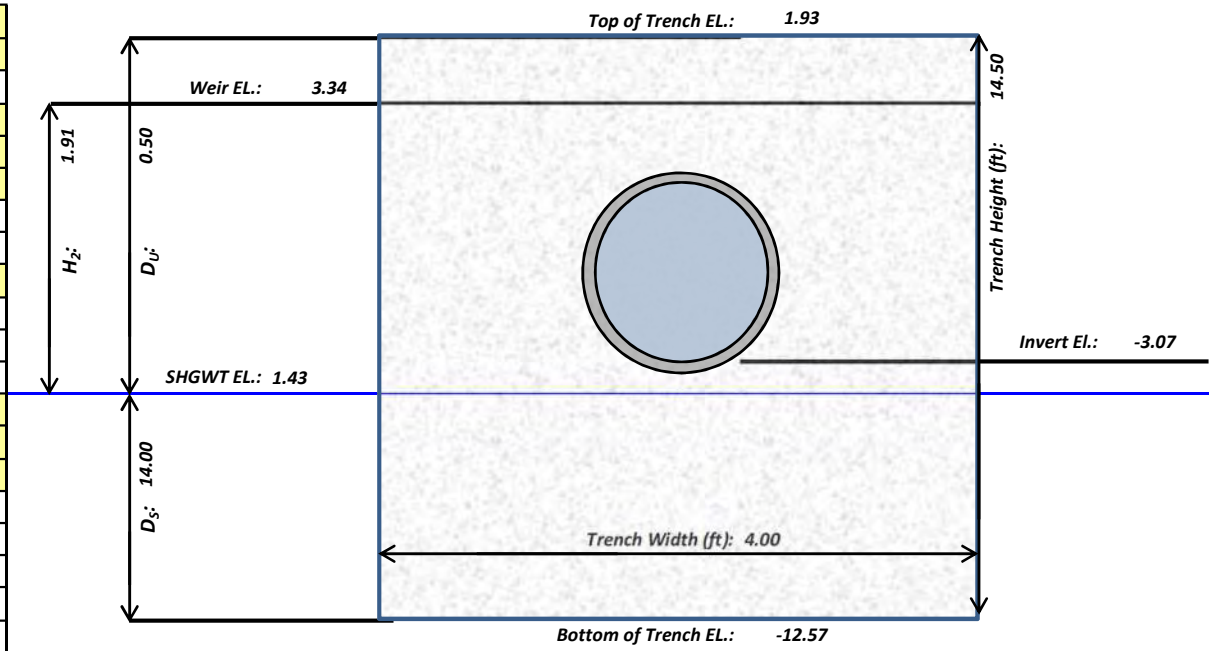
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 17

French Drain (ICPR Link Name):	EX17S17_17GW17
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	84.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	42.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	3.34
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.91
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	7.64
$2H_2D_U$:	1.91
D_U^2:	0.25
$2H_2D_S$:	53.48
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	1.17E-03
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	6.79E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	2.72
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**2.72**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 17

French Drain (ICPR Link Name): **EX17S17_17GW17**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **42.00**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **3.34**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.43***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.05062	**2.1261**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.43**	0.50	14.00	4.00	0.10000	**8.4000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.43**	-0.50	15.00	3.00	0.10000	**8.4000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**2.1261**
1.43	**5.43**	**8.4000**
2.43	**2.43**	**0.0000**
2.43	**5.43**	**8.4000**

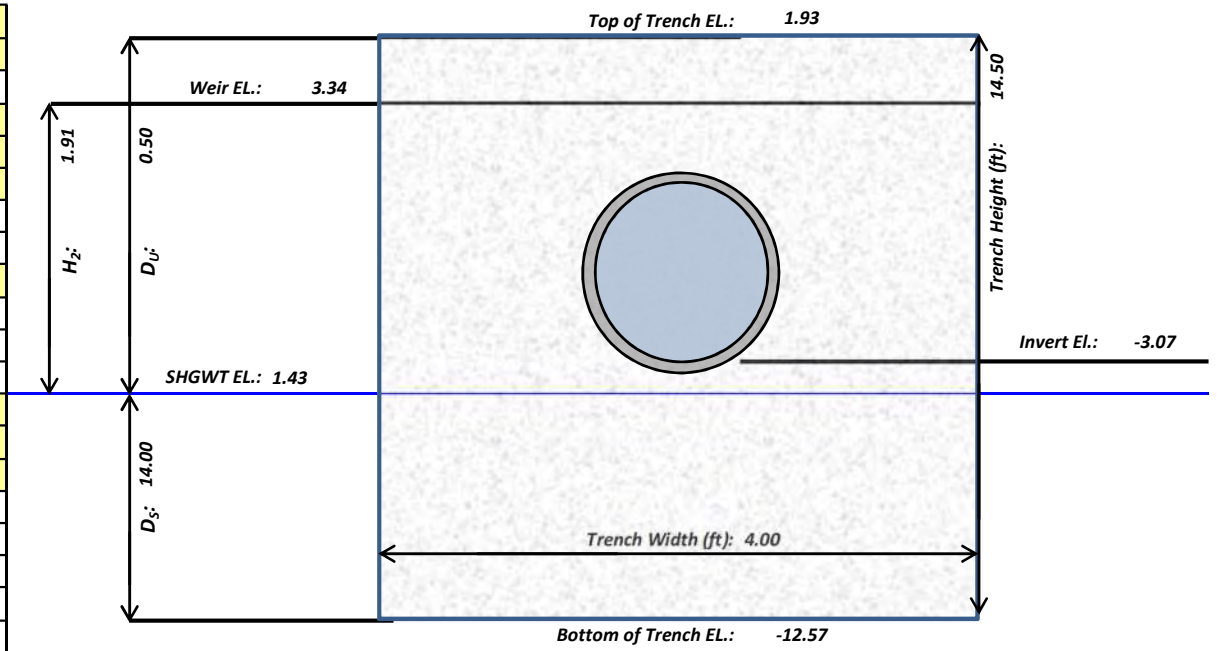
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 17

French Drain (ICPR Link Name):	EX17S27_17GW27
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	53.5
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	26.75
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	3.34
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.91
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	7.64
$2H_2D_U$:	1.91
D_U^2:	0.25
$2H_2D_S$:	53.48
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
K_{10} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	3.08E-03
K_{15} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	8.89E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	4.55
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**4.55**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 17

French Drain (ICPR Link Name): **EX17S27_17GW27**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **26.75**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **3.34**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.43***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.08834	**2.3631**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.43**	0.50	14.00	4.00	0.10000	**5.3500**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.43**	-0.50	15.00	3.00	0.10000	**5.3500**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**2.3631**
1.43	**5.43**	**5.3500**
2.43	**2.43**	**0.0000**
2.43	**5.43**	**5.3500**

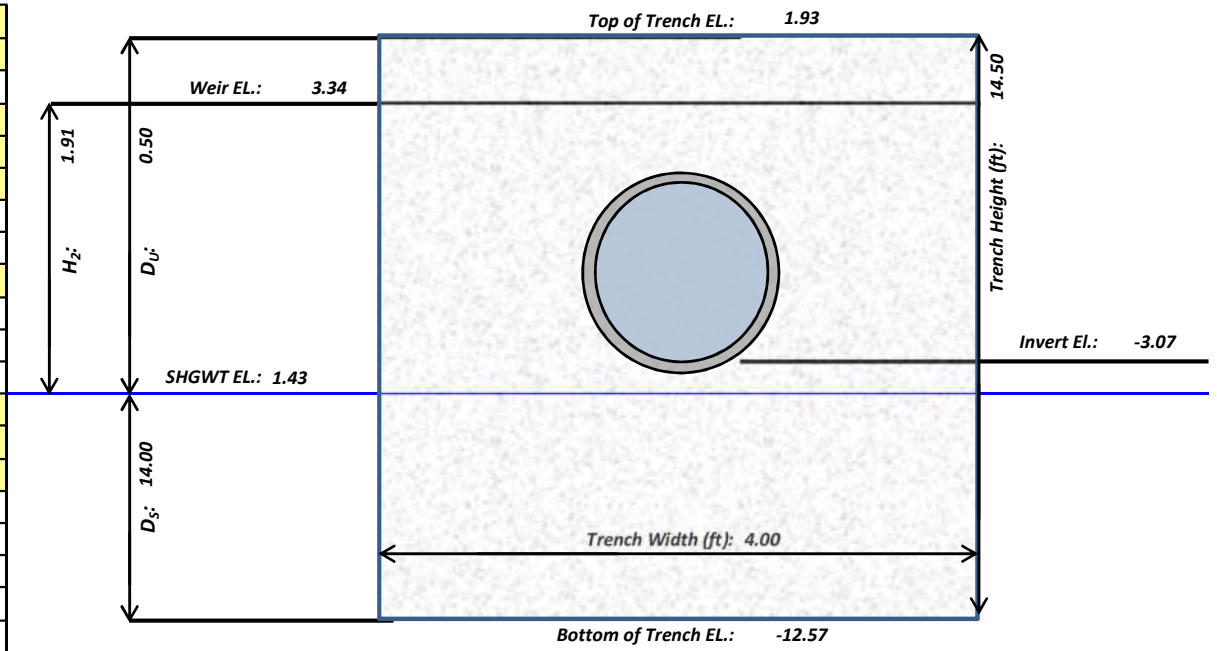
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 17

French Drain (ICPR Link Name):	EX17S29_17GW29
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	53.5
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	26.75
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	3.34
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.91
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	7.64
$2H_2D_U$:	1.91
D_U^2:	0.25
$2H_2D_S$:	53.48
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
K_{10} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	3.08E-03
K_{15} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	8.89E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	4.55
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**4.55**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 17

French Drain (ICPR Link Name): **EX17S29_17GW29**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **26.75**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **3.34**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.43***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.08834	**2.3631**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.43**	0.50	14.00	4.00	0.10000	**5.3500**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.43**	-0.50	15.00	3.00	0.10000	**5.3500**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**2.3631**
1.43	**5.43**	**5.3500**
2.43	**2.43**	**0.0000**
2.43	**5.43**	**5.3500**

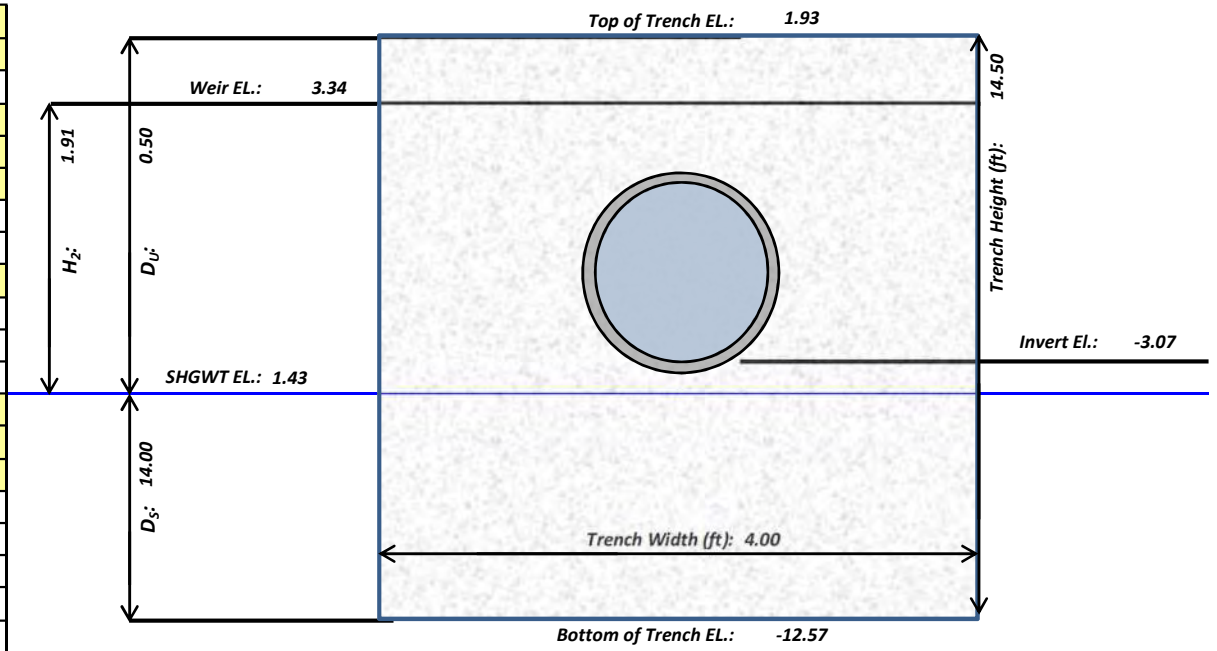
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 17

French Drain (ICPR Link Name):	EX17S34_17GW34
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	84.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	42.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	3.34
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.91
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	7.64
$2H_2D_U$:	1.91
D_U^2:	0.25
$2H_2D_S$:	53.48
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	3.08E-03
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	8.89E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	7.14
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**7.14**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 17

French Drain (ICPR Link Name): **EX17S34_17GW34**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **42.00**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **3.34**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.43***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.08834	**3.7103**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.43**	0.50	14.00	4.00	0.10000	**8.4000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.43**	-0.50	15.00	3.00	0.10000	**8.4000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**3.7103**
1.43	**5.43**	**8.4000**
2.43	**2.43**	**0.0000**
2.43	**5.43**	**8.4000**

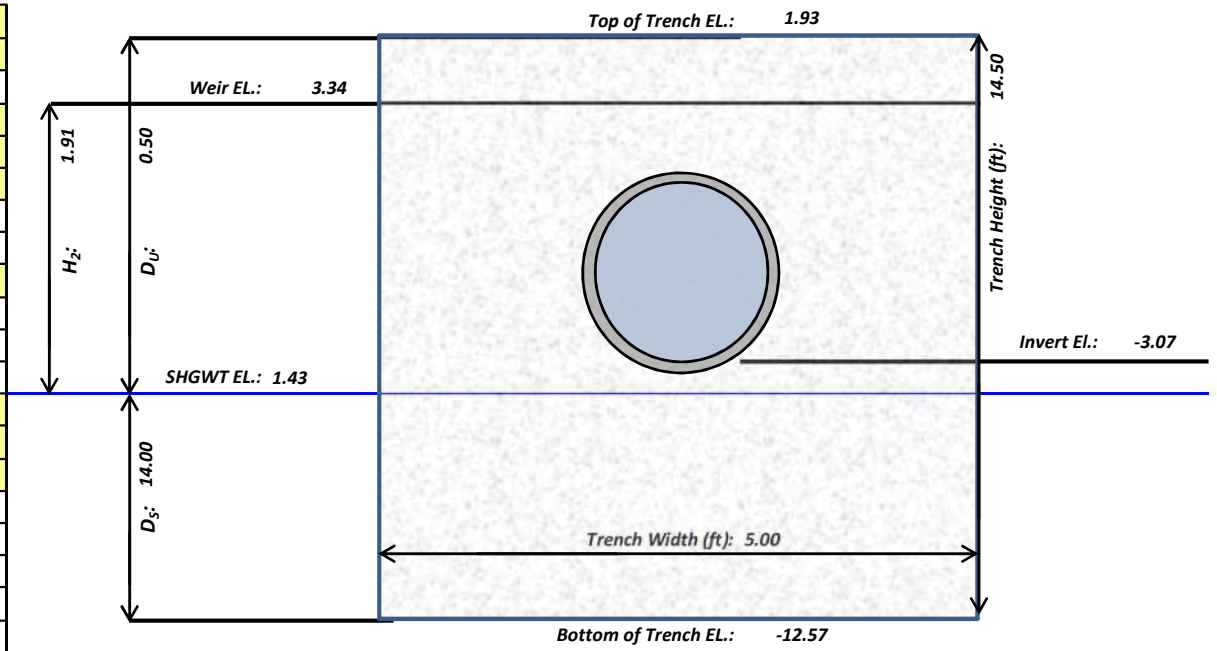
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 17

French Drain (ICPR Link Name):	EX17S01_17GW01
Existing/Proposed:	Existing (Adding 418')
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	36
Effective Length of French Drain, L (LF):	702.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	351.00
Pipe Thickness (in):	4.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	3.34
Trench Width, W (ft):	5.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.91
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	9.55
$2H_2D_U$:	1.91
D_U^2:	0.25
$2H_2D_S$:	53.48
$(1.39x10^{-4})WD_U$:	0.000348
d_2:	0.00
d_3:	4.07
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	4.74E-03
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	9.97E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	91.86
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**91.86**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 17

French Drain (ICPR Link Name): **EX17S01_17GW01**
Existing/Proposed: **Existing (Adding 418')**
Pipe Size (in): **36**
Length of French Drain, *L* (LF) * : **351.00**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **5.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **3.34**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.43***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.10000	**70.2000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.43**	0.50	14.00	4.00	0.10000	**70.2000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.43**	-0.50	15.00	3.00	0.10000	**70.2000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**70.2000**
1.43	**5.43**	**70.2000**
2.43	**2.43**	**0.0000**
2.43	**5.43**	**70.2000**

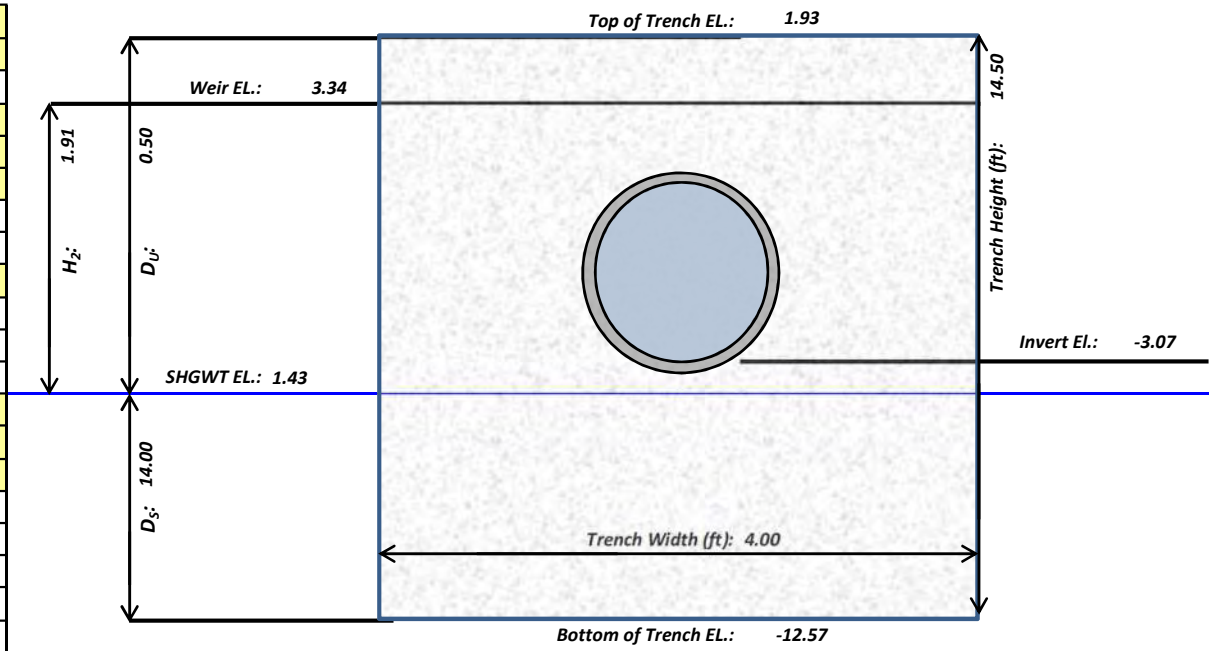
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 17

French Drain (ICPR Link Name):	EX17S10_17GW10
Existing/Proposed:	Existing (Adding 475')
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	759.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	379.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	3.34
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.91
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	7.64
$2H_2D_U$:	1.91
D_U^2:	0.25
$2H_2D_S$:	53.48
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	8.55E-04
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	1.18E-02
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	18.00
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**18.00**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 17

French Drain (ICPR Link Name): **EX17S10_17GW10**
Existing/Proposed: **Existing (Adding 475')**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **379.50**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **3.34**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.43***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.07118	**27.0142**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.43**	0.50	14.00	4.00	0.10000	**75.9000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.43**	-0.50	15.00	3.00	0.10000	**75.9000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**27.0142**
1.43	**5.43**	**75.9000**
2.43	**2.43**	**0.0000**
2.43	**5.43**	**75.9000**

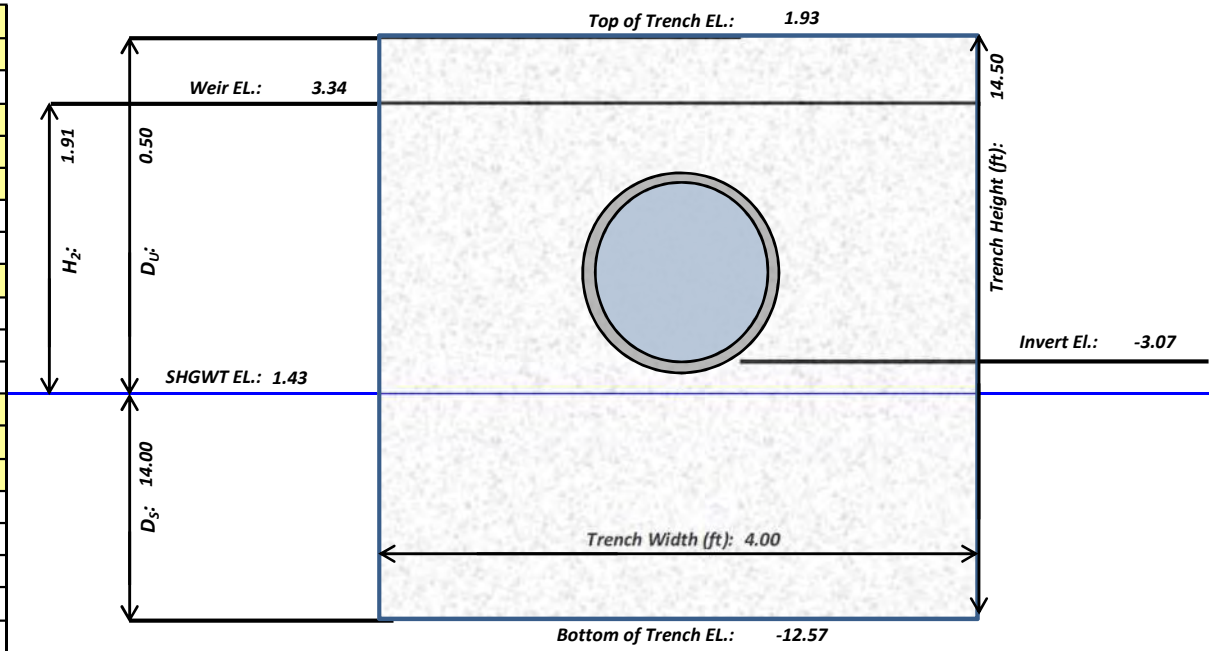
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 17

French Drain (ICPR Link Name):	EX17S27_17GW27
Existing/Proposed:	Existing (Adding 197')
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	250.5
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	125.25
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	3.34
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.91
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	7.64
$2H_2D_U$:	1.91
D_U^2:	0.25
$2H_2D_S$:	53.48
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	3.08E-03
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	8.89E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	21.31
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**21.31**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 17

French Drain (ICPR Link Name): **EX17S27_17GW27**
Existing/Proposed: **Existing (Adding 197')**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **125.25**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **3.34**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.43***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.08834	**11.0646**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.43**	0.50	14.00	4.00	0.10000	**25.0500**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.43**	-0.50	15.00	3.00	0.10000	**25.0500**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**11.0646**
1.43	**5.43**	**25.0500**
2.43	**2.43**	**0.0000**
2.43	**5.43**	**25.0500**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS
DRAINAGE SYSTEM SUMMARY TABLES

Drainage System: ***17***

Summary of Peak Discharges

Receiving Waterbody: NORTH LINE CANAL

PRE-DEVELOPMENT

ICPR Link/Basin:	Outfall Pipe / Weir Description:	Flow Area (ft^2)	10yr-24hr Peak Flow Rate (cfs)	10yr-24hr Peak Flow Velocity (fps)	25yr-72hr Peak Flow Rate (cfs)	25yr-72hr Peak Flow Velocity (fps)	100yr-24hr Peak Flow Rate (cfs)	100yr-24hr Peak Flow Velocity (fps)
EX17S35_NLC	48" PIPE	12.57	0.00	0.00	27.42	2.18	0.00	0.00
EX17S01-OFFSITE_NLC	42" PIPE	9.62	18.50	1.47	132.83	10.57	28.02	2.23
PRE-DEVELOPMENT TOTALS:		--	--	--	**160.25**	--	--	--

POST-DEVELOPMENT

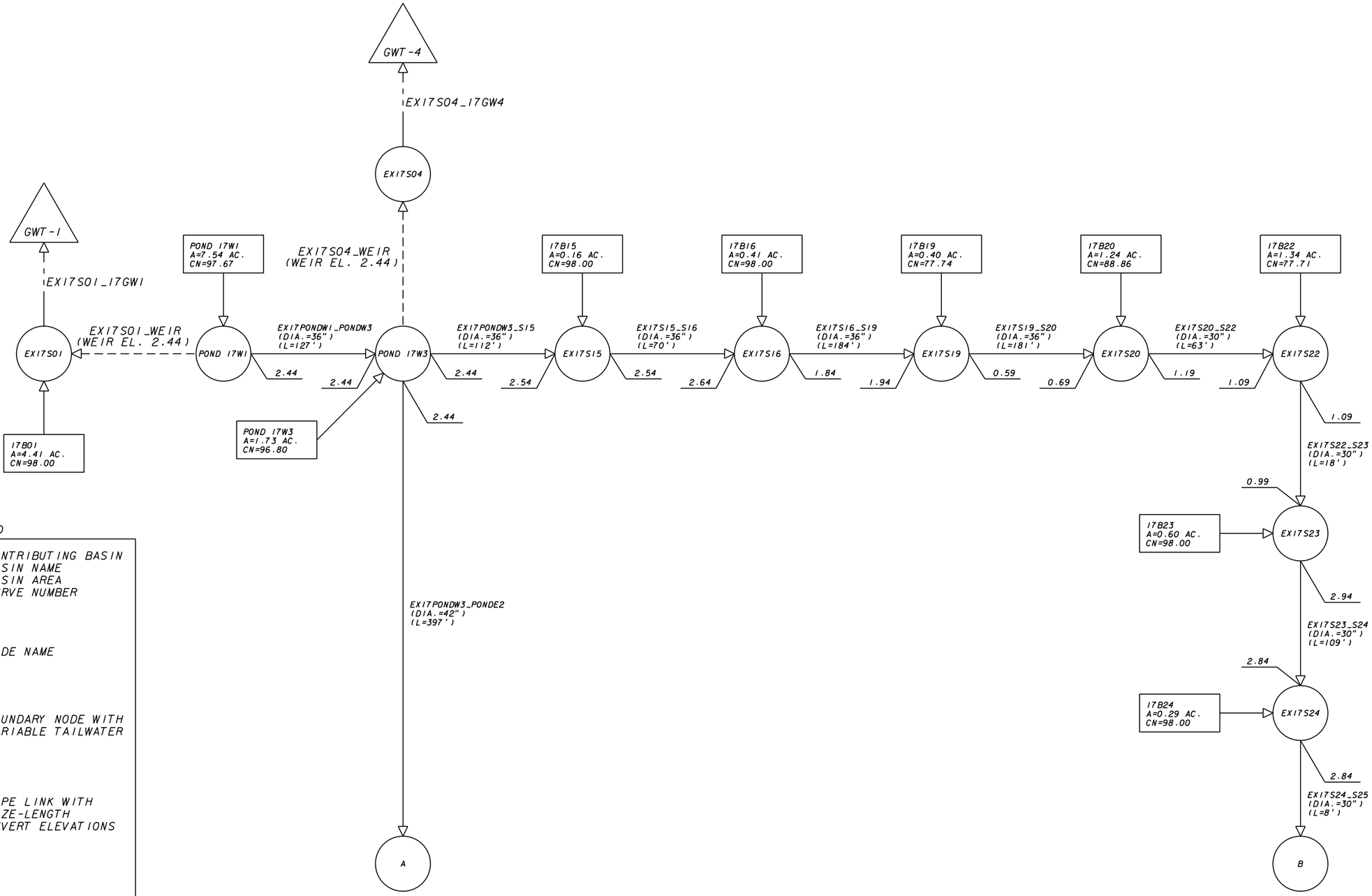
ICPR Link/Basin:	Outfall Pipe / Weir Description:	Flow Area (ft^2)	10yr-24hr Peak Flow Rate (cfs)	10yr-24hr Peak Flow Velocity (fps)	25yr-72hr Peak Flow Rate (cfs)	25yr-72hr Peak Flow Velocity (fps)	100yr-24hr Peak Flow Rate (cfs)	100yr-24hr Peak Flow Velocity (fps)
EX17S35_NLC	48" PIPE	12.57	0.00	0.00	23.13	1.84	0.00	0.00
EX17S01-OFFSITE_NLC	42" PIPE	9.62	18.01	1.43	129.36	10.29	27.29	2.17
POST-DEVELOPMENT TOTALS:		--	--	--	**152.49**	--	--	--
Pre-Post 25yr-72hr Peak Discharge Reduction (cfs):				***7.76***				

Summary of Peak Stages

Pond/ Swale/ FD #	Type: [Wet/Dry, Det./Ret., FD]	Disposition [Exist./ Prop./ Modified]	Warning EL. [Min. Berm/ Min. EOP] (ft-NAVD)	PRE-DEVELOPMENT			POST-DEVELOPMENT		
				Max 10yr-24hr Stage (ft-NAVD)	Max 25yr-72hr Stage (ft-NAVD)	Max 100yr-24hr Stage (ft-NAVD)	Max 10yr-24hr Stage (ft-NAVD)	Max 25yr-72hr Stage (ft-NAVD)	Max 100yr-24hr Stage (ft-NAVD)
POND 17W1	DRY RETENTION	Modified	5.22	2.76	4.21	3.08	2.67	3.53	2.76
POND 17E1	DRY RETENTION	Modified	4.46	2.65	3.54	2.81	2.63	3.13	2.70
POND 17W3	DRY RETENTION	Modified	4.65	3.18	4.79	3.47	3.22	4.60	3.49
POND 17E2	DRY RETENTION	Modified	13.81	3.01	4.69	3.34	2.71	4.37	3.04
POND 17E3	DRY RETENTION	Exist.	4.46	2.59	3.45	2.77	2.49	3.03	2.53
POND 17E4	DRY RETENTION	Exist.	5.43	2.72	4.58	3.31	2.56	4.28	2.82
POND 17E5	DRY RETENTION	Exist.	5.43	3.27	5.73	3.62	2.71	5.32	3.09
POND 17E6	DRY RETENTION	Exist.	5.43	2.70	3.85	3.26	2.60	3.80	2.75

Control Structure Summary Table - Proposed Conditions

Control Structure:	Disposition [Exist./ Prop./ Modified]	Weir Type/ Geometry	Weir EL. (ft-NAVD)	Bleeder Type/ Geometry	Bleeder Invert EL. (ft-NAVD)
EX17S35_NLC	Exist.	DBI/Horizontal Rectangular	3.34	N/A	N/A



LEGEND

17B05 A=0.08 AC. CN=80.13	CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER
EX17S04	NODE NAME
GWT-4	BOUNDARY NODE WITH VARIABLE TAILWATER
EX17S20_S22 (DIA.=24") (L=121') 2.44 2.44	PIPE LINK WITH SIZE-LENGTH INVERT ELEVATIONS
EX17S01_17GW1	RATING CURVE LINK
EX17S01_WEIR (EL. 3.20)	WEIR LINK WITH WEIR ELEVATION

SYSTEM 17

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JUAN C. GARCIA, P.E.
P.E. No.: 46597
AECOM TECHNICAL SERVICES, INC.
7650 CORPORATE CENTER DRIVE, SUITE 400
MIAMI, FL 33126-1220
CERTIFICATE OF AUTHORIZATION: 8115

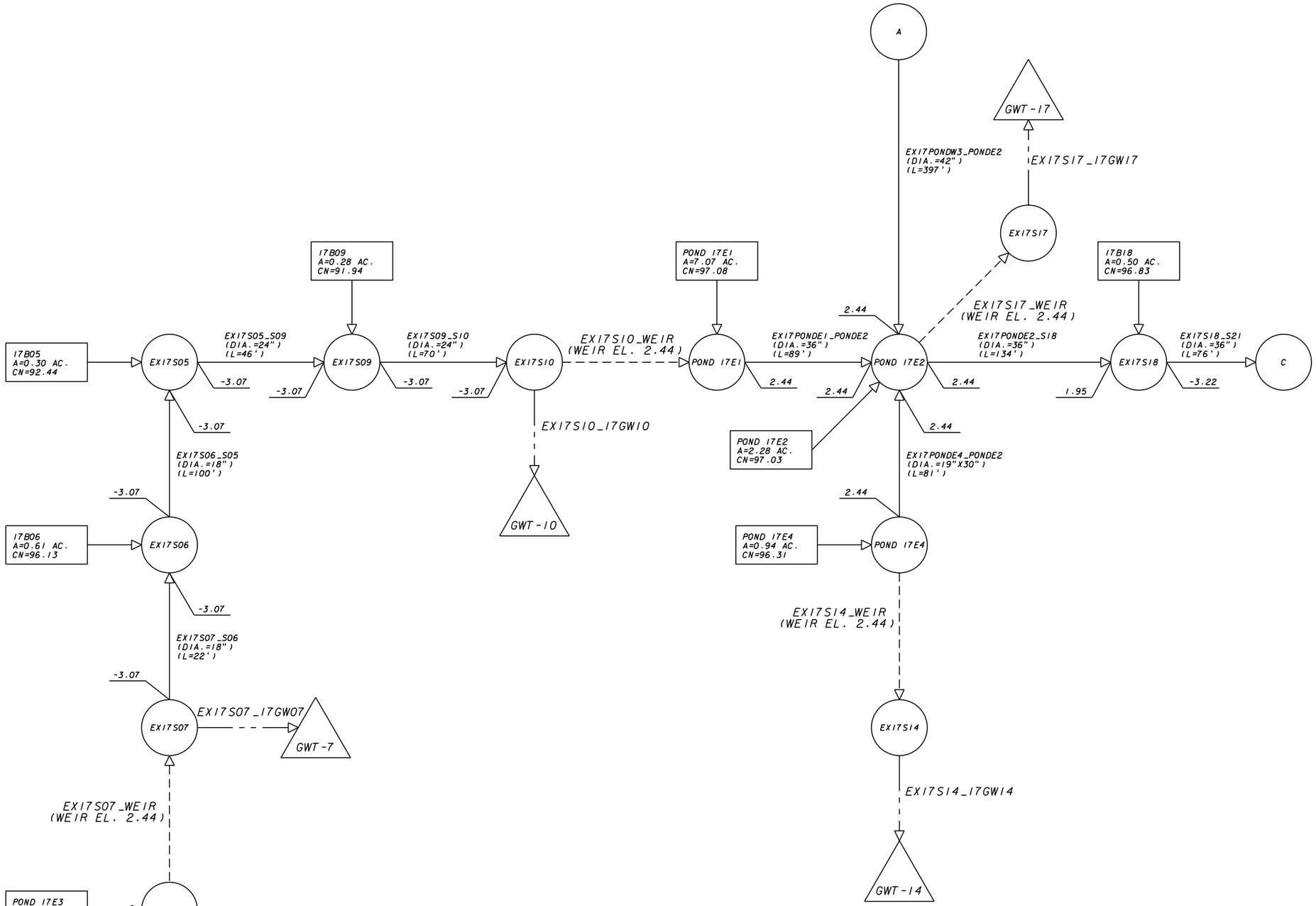
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR-9	MIAMI-DADE	428358-5-32-03

NODE-LINK DIAGRAM (1 OF 3)
(PRE-DEV. CONDITIONS)

SHEET NO.

$USER$ $DATE$ $TIME$ $FILE$



LEGEND

17B05 A=0.08 AC. CN=80.13	CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER
EX17S04	NODE NAME
GWT-4	BOUNDARY NODE WITH VARIABLE TAILWATER
EX17S20_S22 (DIA.=24") (L=121') 2.44 2.44	PIPE LINK WITH SIZE-LENGTH INVERT ELEVATIONS
EX17S01_17GW1	RATING CURVE LINK
EX17S01_WEIR (EL. 3.20)	WEIR LINK WITH WEIR ELEVATION

SYSTEM 17

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JUAN C. GARCIA, P.E.
P.E. No.: 46597
AECOM TECHNICAL SERVICES, INC.
7650 CORPORATE CENTER DRIVE, SUITE 400
MIAMI, FL 33126-1220
CERTIFICATE OF AUTHORIZATION: 8115

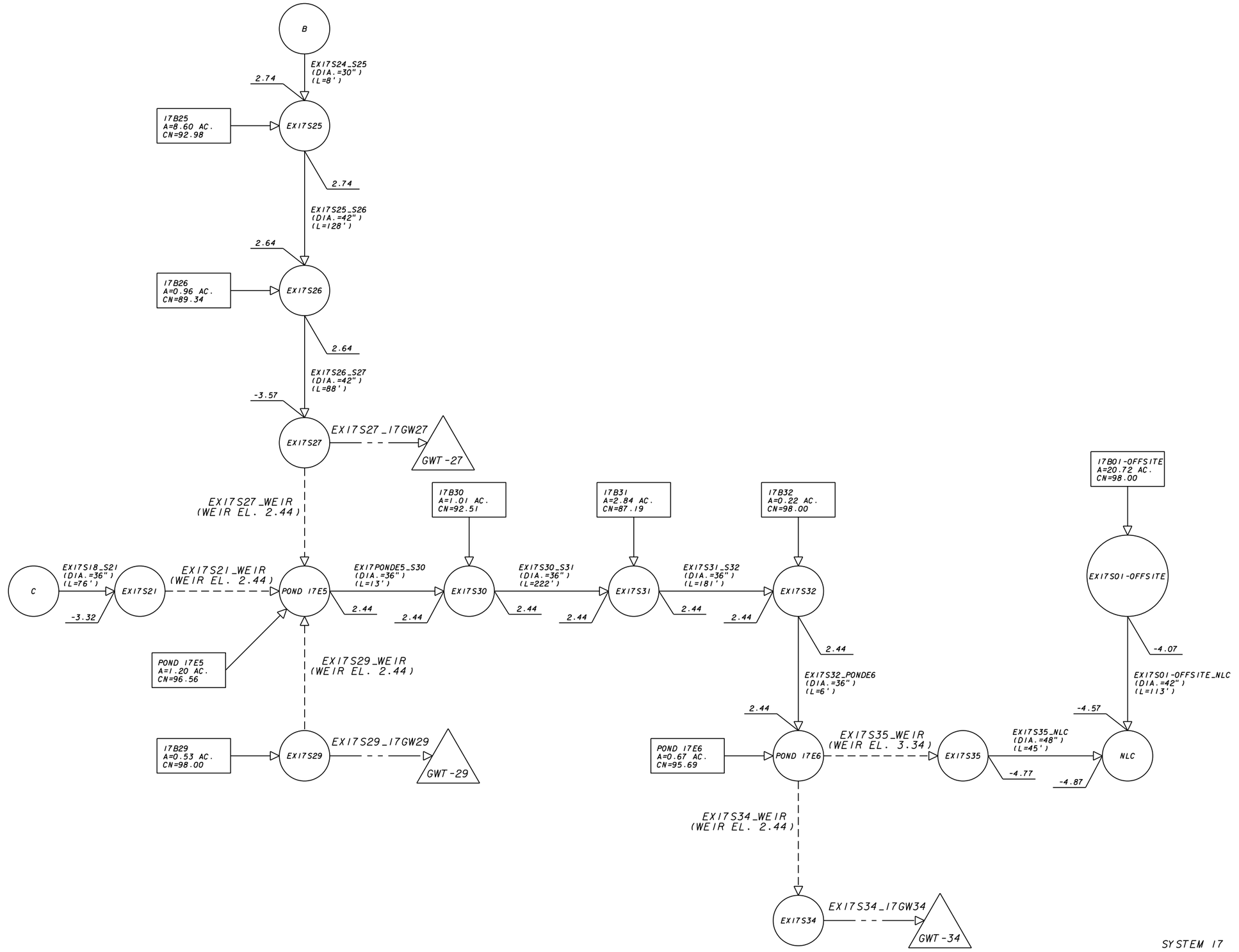
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR-9	MIAMI-DADE	428358-5-32-03

NODE-LINK DIAGRAM (2 OF 3)
(PRE-DEV. CONDITIONS)

SHEET NO.

$USER$ $DATE$ $TIME$ $FILE$



LEGEND

17B05 A=0.08 AC. CN=80.13	CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER
EX17S04	NODE NAME
GWT-4	BOUNDARY NODE WITH VARIABLE TAILWATER
EX17S20_S22 (DIA.=24") (L=121') 2.44 2.44	PIPE LINK WITH SIZE-LENGTH INVERT ELEVATIONS
EX17S01_17GW1	RATING CURVE LINK
EX17S01_WEIR (EL. 3.20)	WEIR LINK WITH WEIR ELEVATION

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JUAN C. GARCIA, P.E.
P.E. No.: 46597
AECOM TECHNICAL SERVICES, INC.
7650 CORPORATE CENTER DRIVE, SUITE 400
MIAMI, FL 33126-1220
CERTIFICATE OF AUTHORIZATION: 8115

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR-9	MIAMI-DADE	428358-5-32-03

NODE-LINK DIAGRAM (3 OF 3)
(PRE-DEV. CONDITIONS)

SHEET NO.

$USER$ $DATE$ $TIME$ $FILE$

Manual Basin: 17B01

Scenario: System 17 - Pre Dev
Node: EX17S01
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
4.4100	17B01	17B01			

Comment:

Manual Basin: 17B01-OFFSITE

Scenario: System 17 - Pre Dev
Node: EX17S01-OFFSITE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
20.7200	17B01-OFFSITE	17B01-OFFSITE			

Comment:

Manual Basin: 17B05

Scenario: System 17 - Pre Dev
Node: EX17S05
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.3000	17B05	17B05			

Comment:

Manual Basin: 17B06

Scenario: System 17 - Pre Dev
Node: EX17S06
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.6100	17B06	17B06			

Comment:

Manual Basin: 17B09

Scenario: System 17 - Pre Dev
Node: EX17S09
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.2800	17B09	17B09			

Comment:

Manual Basin: 17B15

Scenario: System 17 - Pre Dev
Node: EX17S15
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs

Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.1600	17B15	17B15			

Comment:

Manual Basin: 17B16

Scenario: System 17 - Pre Dev
Node: EX17S16
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.4100	17B16	17B16			

Comment:

Manual Basin: 17B18

Scenario: System 17 - Pre Dev
Node: EX17S18
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.5000	17B18	17B18			

Comment:

Manual Basin: 17B19

Scenario: System 17 - Pre Dev
Node: EX17S19
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.4000	17B19	17B19			

Comment:

Manual Basin: 17B20

Scenario: System 17 - Pre Dev
Node: EX17S20
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
1.2400	17B20	17B20			

Comment:

Manual Basin: 17B22

Scenario: System 17 - Pre Dev
Node: EX17S22
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
1.3400	17B22	17B22			

Comment:

Manual Basin: 17B23

Scenario: System 17 - Pre Dev
Node: EX17S23
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.6000	17B23	17B23			

Comment:

Manual Basin: 17B24

Scenario: System 17 - Pre Dev
Node: EX17S24
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.2900	17B24	17B24			

Comment:

Manual Basin: 17B25

Scenario: System 17 - Pre Dev
Node: EX17S25
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr

Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
8.6000	17B25	17B25			

Comment:

Manual Basin: 17B26

Scenario: System 17 - Pre Dev
Node: EX17S26
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.9600	17B26	17B26			

Comment:

Manual Basin: 17B29

Scenario: System 17 - Pre Dev
Node: EX17S29
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.5300	17B29	17B29			

Comment:

Manual Basin: 17B30

Scenario: System 17 - Pre Dev

Node: EX17S30
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
1.0100	17B30	17B30			

Comment:

Manual Basin: 17B31

Scenario: System 17 - Pre Dev
Node: EX17S31
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
2.8400	17B31	17B31			

Comment:

Manual Basin: 17B32

Scenario: System 17 - Pre Dev
Node: EX17S32
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.2200	17B32	17B32			

Comment:

Manual Basin: POND 17E1

Scenario: System 17 - Pre Dev
Node: POND 17E1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
7.0700	POND 17E1	POND 17E1			

Comment:

Manual Basin: POND 17E2

Scenario: System 17 - Pre Dev
Node: POND 17E2
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
2.2800	POND 17E2	POND 17E2			

Comment:

Manual Basin: POND 17E3

Scenario: System 17 - Pre Dev
Node: POND 17E3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.5500	POND 17E3	POND 17E3			

Comment:

Manual Basin: POND 17E4

Scenario: System 17 - Pre Dev
Node: POND 17E4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.9400	POND 17E4	POND 17E4			

Comment:

Manual Basin: POND 17E5

Scenario: System 17 - Pre Dev
Node: POND 17E5
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
1.2000	POND 17E5	POND 17E5			

Comment:

Manual Basin: POND 17E6

Scenario: System 17 - Pre Dev
Node: POND 17E6
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs

Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.6700	POND 17E6	POND 17E6			

Comment:

Manual Basin: POND 17W1

Scenario: System 17 - Pre Dev
Node: POND 17W1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
7.5400	POND 17W1	POND 17W1			

Comment:

Manual Basin: POND 17W3

Scenario: System 17 - Pre Dev
Node: POND 17W3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
1.7300	POND 17W3	POND 17W3			

Comment:

Node: EX17S01

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.22 ft

Stage [ft]	Area [ac]	Area [ft2]
-8.07	0.0081	353
1.93	0.0081	353
1.94	0.0006	26
2.68	0.0006	26
2.69	0.0060	261

Comment:

Node: EX17S01-OFFSITE

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.07	0.0006	26
5.43	0.0006	26

Comment:

Node: EX17S04

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.65 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.07	0.0019	83
1.93	0.0019	83
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX17S05

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.68 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.07	0.0003	13
4.68	0.0003	13
4.69	0.0030	131

Comment:

Node: EX17S06

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 3.94 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.07	0.0003	13
3.94	0.0003	13
3.95	0.0030	131

Comment:

Node: EX17S07

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.07	0.0014	61
1.93	0.0014	61
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX17S09

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.07	0.0003	13
4.46	0.0003	13
4.47	0.0030	131

Comment:

Node: EX17S10

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.07	0.0065	283
1.93	0.0065	283
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX17S14

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.07	0.0019	83
1.93	0.0019	83
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX17S15

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.54 ft
Warning Stage: 15.04 ft

Stage [ft]	Area [ac]	Area [ft2]
0.53	0.0006	26
15.04	0.0006	26
15.05	0.0060	261

Comment:

Node: EX17S16

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.84 ft
Warning Stage: 13.04 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.17	0.0003	13
13.04	0.0003	13

Comment:

Node: EX17S17

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 13.81 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.07	0.0019	83
1.93	0.0019	83
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX17S18

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.83 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.22	0.0006	26
6.83	0.0006	26

Comment:

Node: EX17S19

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 8.08 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.42	0.0006	26
8.08	0.0006	26
8.09	0.0060	261

Comment:

Node: EX17S20

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.36 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.82	0.0006	26
6.36	0.0006	26
6.37	0.0060	261

Comment:

Node: EX17S21

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.75	0.0006	26
4.00	0.0006	26
4.01	0.0060	261

Comment:

Node: EX17S22

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.24 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.92	0.0006	26
6.24	0.0006	26
6.25	0.0060	261

Comment:

Node: EX17S23

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 10.09 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.02	0.0003	13
10.09	0.0003	13
10.10	0.0030	131

Comment:

Node: EX17S24

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.84 ft
Warning Stage: 10.05 ft

Stage [ft]	Area [ac]	Area [ft2]
0.83	0.0004	17
10.05	0.0004	17
10.06	0.0040	174

Comment:

Node: EX17S25

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.74 ft
Warning Stage: 23.23 ft

Stage [ft]	Area [ac]	Area [ft2]
2.74	0.0001	4
16.23	0.0003	13
23.23	0.0003	13
23.24	0.0030	131

Comment:

Node: EX17S26

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.64 ft
Warning Stage: 11.05 ft

Stage [ft]	Area [ac]	Area [ft2]
0.63	0.0005	22
11.05	0.0005	22
11.06	0.0050	218

Comment:

Node: EX17S27

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0012	52
1.93	0.0012	52
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX17S29

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.07	0.0012	52
1.93	0.0012	52
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX17S30

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.44 ft
Warning Stage: 10.62 ft

Stage [ft]	Area [ac]	Area [ft2]
0.43	0.0003	13
10.62	0.0003	13
10.63	0.0030	131

Comment:

Node: EX17S31

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.44 ft
Warning Stage: 17.37 ft

Stage [ft]	Area [ac]	Area [ft2]
0.43	0.0003	13
17.37	0.0003	13
17.38	0.0030	131

Comment:

Node: EX17S32

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.44 ft
Warning Stage: 22.66 ft

Stage [ft]	Area [ac]	Area [ft2]
0.43	0.0003	13
22.66	0.0003	13
22.67	0.0030	131

Comment:

Node: EX17S34

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.07	0.0019	83
1.93	0.0019	83
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX17S35

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.77	0.0005	22
3.33	0.0005	22
3.34	0.0050	218

Comment:

Node: GWT-1

Scenario: System 17 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-10

Scenario: System 17 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-10

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43

Year	Month	Day	Hour	Stage [ft]
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-14

Scenario: System 17 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-14

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-17

Scenario: System 17 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-17

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-27

Scenario: System 17 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-27

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-29

Scenario: System 17 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-29

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-34

Scenario: System 17 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-34

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-4

Scenario: System 17 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-4

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-7

Scenario: System 17 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-7

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43

Year	Month	Day	Hour	Stage [ft]
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: NLC

Scenario: System 17 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: NLC

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: POND 17E1

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	3.2700	142441
3.33	3.4000	148104
5.43	3.7200	162043

Comment:

Node: POND 17E2

Scenario: System 17 - Pre Dev
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 13.81 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.3000	13068
3.33	0.3500	15246
5.43	0.4700	20473

Comment:

Node: POND 17E3

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.2200	9583
3.33	0.2500	10890
5.43	0.3400	14810

Comment:

Node: POND 17E4

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.4700	20473
3.33	0.5400	23522
5.43	0.7000	30492

Comment:

Node: POND 17E5

Scenario: System 17 - Pre Dev
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.2400	10454
3.33	0.3400	14810
5.43	0.5900	25700

Comment:

Node: POND 17E6

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.3200	13939
3.33	0.3900	16988
5.43	0.5600	24394

Comment:

Node: POND 17W1

Scenario: System 17 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.22 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	2.6100	113692
3.33	2.6700	116305
5.43	2.8100	122404

Comment:

Node: POND 17W3

Scenario: System 17 - Pre Dev
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 4.65 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.2700	11761
3.33	0.3200	13939
5.43	0.4200	18295

Comment:

Pipe Link: EX17PONDE1_PONDE2		Upstream		Downstream	
Scenario:	System 17 - Pre Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 17E1	Geometry: Circular		Geometry: Circular	
To Node:	POND 17E2	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	89.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX17PONDE2_S18		Upstream		Downstream	
Scenario:	System 17 - Pre Dev	Invert:	2.44 ft	Invert:	1.95 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 17E2	Geometry: Circular		Geometry: Circular	
To Node:	EX17S18	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	134.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX17PONDE4_PONDE2		Upstream		Downstream	
Scenario:	System 17 - Pre	Invert:	2.44 ft	Invert:	2.44 ft
	Dev	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 17E4	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
To Node:	POND 17E2	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Link Count:	2	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	81.00 ft	Ref Node:		Ref Node:	
FHWA Code:	30	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX17PONDE5_S30		Upstream		Downstream	
Scenario:	System 17 - Pre	Invert:	2.44 ft	Invert:	2.44 ft
	Dev	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 17E5	Geometry: Circular		Geometry: Circular	
To Node:	EX17S30	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	13.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX17PONDW1_PONDW3		Upstream		Downstream	
Scenario:	System 17 - Pre	Invert:	2.44 ft	Invert:	2.44 ft
	Dev	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 17W1	Geometry: Circular		Geometry: Circular	
To Node:	POND 17W3	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	127.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			

Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX17PONDW3_PONDE2		Upstream		Downstream	
Scenario:	System 17 - Pre Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 17W3	Geometry: Circular		Geometry: Circular	
To Node:	POND 17E2	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	397.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX17PONDW3_S15		Upstream		Downstream	
Scenario:	System 17 - Pre Dev	Invert:	2.44 ft	Invert:	2.54 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 17W3	Geometry: Circular		Geometry: Circular	
To Node:	EX17S15	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	112.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX17S01-OFFSITE_NLC		Upstream		Downstream	
Scenario:	System 17 - Pre	Invert:	-4.07 ft	Invert:	-4.57 ft

	Dev	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S01-OFFSITE	Geometry: Circular		Geometry: Circular	
To Node:	NLC	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	113.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX17S01_17GW1

Scenario: System 17 - Pre Dev
From Node: EX17S01
To Node: GWT-1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX17S01	1.43	EX17S01	1.43	EX17S01

Comment:

Weir Link: EX17S01_WEIR

Scenario:	System 17 - Pre Dev	Bottom Clip	
From Node:	POND 17W1	Default:	0.00 ft
To Node:	EX17S01	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.44 ft	Discharge Coefficients	
Control Elevation:	2.44 ft	Weir Default:	3.200
Max Depth:	5.33 ft	Weir Table:	
Max Width:	4.83 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Rating Curve Link: EX17S04_17GW4

Scenario: System 17 - Pre Dev
From Node: EX17S04
To Node: GWT-4
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX17S04	1.43	EX17S04	1.43	EX17S04

Comment:

Weir Link: EX17S04_WEIR

Scenario: System 17 - Pre Dev
From Node: POND 17W3
To Node: EX17S04
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 2.44 ft
Control Elevation: 2.44 ft
Max Depth: 5.33 ft
Max Width: 4.83 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: EX17S05_S09

Scenario: System 17 - Pre Dev
From Node: EX17S05
To Node: EX17S09
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 46.00 ft
FHWA Code: 1
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream
Invert: -3.07 ft
Manning's N: 0.0120

Geometry: Circular
Max Depth: 24.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Downstream
Invert: -3.07 ft
Manning's N: 0.0120

Geometry: Circular
Max Depth: 24.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: EX17S06_S05		Upstream		Downstream	
Scenario:	System 17 - Pre Dev	Invert:	-3.07 ft	Invert:	-3.07 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S06	Geometry: Circular		Geometry: Circular	
To Node:	EX17S05	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	100.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Rating Curve Link: EX17S07_17GW07	
Scenario:	System 17 - Pre Dev
From Node:	EX17S07
To Node:	GWT-7
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX17S07	1.43	EX17S07	1.43	EX17S07

Comment:

Pipe Link: EX17S07_S06		Upstream		Downstream	
Scenario:	System 17 - Pre Dev	Invert:	-3.07 ft	Invert:	-3.07 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S07	Geometry: Circular		Geometry: Circular	
To Node:	EX17S06	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	22.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: EX17S07_WEIR

Scenario:	System 17 - Pre Dev
From Node:	POND 17E3
To Node:	EX17S07
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.44 ft
Control Elevation:	2.44 ft
Max Depth:	5.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: EX17S09_S10

Scenario:	System 17 - Pre Dev
From Node:	EX17S09
To Node:	EX17S10
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	70.00 ft
FHWA Code:	1
Entr Loss Coef:	0.50
Exit Loss Coef:	0.10
Bend Loss Coef:	0.00
Bend Location:	0.00 ft
Energy Switch:	Energy

Upstream

Invert:	-3.07 ft
Manning's N:	0.0120

Geometry: Circular

Max Depth:	2.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Downstream

Invert:	-3.07 ft
Manning's N:	0.0120

Geometry: Circular

Max Depth:	2.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Comment:

Rating Curve Link: EX17S10_17GW10

Scenario:	System 17 - Pre Dev
From Node:	EX17S10
To Node:	GWT-10
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX17S10	1.43	EX17S10	1.43	EX17S10

Comment:

Weir Link: EX17S10_WEIR

Scenario:	System 17 - Pre Dev
From Node:	EX17S10
To Node:	POND 17E1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.44 ft
Control Elevation:	2.44 ft
Max Depth:	5.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Rating Curve Link: EX17S14_17GW14

Scenario:	System 17 - Pre Dev
From Node:	EX17S14
To Node:	GWT-14
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX17S14	1.43	EX17S14	1.43	EX17S14

Comment:

Weir Link: EX17S14_WEIR

Scenario:	System 17 - Pre Dev
From Node:	POND 17E4
To Node:	EX17S14
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.44 ft
Control Elevation:	2.44 ft
Max Depth:	5.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: EX17S15_S16		Upstream		Downstream	
Scenario:	System 17 - Pre Dev	Invert:	2.54 ft	Invert:	2.64 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S15	Geometry: Circular		Geometry: Circular	
To Node:	EX17S16	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	70.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX17S16_S19		Upstream		Downstream	
Scenario:	System 17 - Pre Dev	Invert:	1.84 ft	Invert:	1.94 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S16	Geometry: Circular		Geometry: Circular	
To Node:	EX17S19	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	184.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Rating Curve Link: EX17S17_17GW17

Scenario:	System 17 - Pre Dev
From Node:	EX17S17
To Node:	GWT-17
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX17S17	1.43	EX17S17	1.43	EX17S17

Comment:

Weir Link: EX17S17_WEIR			
Scenario:	System 17 - Pre Dev	Bottom Clip	
From Node:	POND 17E2	Default:	0.00 ft
To Node:	EX17S17	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.44 ft	Discharge Coefficients	
Control Elevation:	2.44 ft	Weir Default:	3.200
Max Depth:	5.33 ft	Weir Table:	
Max Width:	4.83 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Pipe Link: EX17S18_S21		Upstream		Downstream	
Scenario:	System 17 - Pre Dev	Invert:	-3.22 ft	Invert:	-3.32 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S18	Geometry: Circular		Geometry: Circular	
To Node:	EX17S21	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	76.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX17S19_S20		Upstream		Downstream	
Scenario:	System 17 - Pre Dev	Invert:	0.59 ft	Invert:	0.69 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S19	Geometry: Circular		Geometry: Circular	
To Node:	EX17S20	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	181.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft

Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX17S20_S22		Upstream		Downstream	
Scenario:	System 17 - Pre Dev	Invert:	1.19 ft	Invert:	1.09 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S20	Geometry: Circular		Geometry: Circular	
To Node:	EX17S22	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	63.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX17S21_WEIR			
Scenario:	System 17 - Pre Dev	Bottom Clip	
From Node:	EX17S21	Default:	0.00 ft
To Node:	POND 17E5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.44 ft	Discharge Coefficients	
Control Elevation:	2.44 ft	Weir Default:	3.200
Max Depth:	5.33 ft	Weir Table:	
Max Width:	4.83 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EX17S22_S23		Upstream		Downstream	
Scenario:	System 17 - Pre Dev	Invert:	1.09 ft	Invert:	0.99 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S22	Geometry: Circular		Geometry: Circular	

To Node:	EX17S23	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	18.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX17S23_S24		Upstream		Downstream	
Scenario:	System 17 - Pre Dev	Invert:	2.94 ft	Invert:	2.84 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S23	Geometry: Circular		Geometry: Circular	
To Node:	EX17S24	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	109.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX17S24_S25		Upstream		Downstream	
Scenario:	System 17 - Pre Dev	Invert:	2.84 ft	Invert:	2.74 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S24	Geometry: Circular		Geometry: Circular	
To Node:	EX17S25	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	8.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX17S25_S26		Upstream		Downstream	
Scenario:	System 17 - Pre Dev	Invert:	2.74 ft	Invert:	2.64 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S25	Geometry: Circular		Geometry: Circular	
To Node:	EX17S26	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	128.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX17S26_S27		Upstream		Downstream	
Scenario:	System 17 - Pre Dev	Invert:	2.64 ft	Invert:	-3.57 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S26	Geometry: Circular		Geometry: Circular	
To Node:	EX17S27	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	88.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX17S27_17GW27	
Scenario:	System 17 - Pre Dev
From Node:	EX17S27
To Node:	GWT-27
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX17S27	1.43	EX17S27	1.43	EX17S27

Comment:

Weir Link: EX17S27_WEIR

Scenario:	System 17 - Pre Dev	**Bottom Clip**	
From Node:	EX17S27	Default:	0.00 ft
To Node:	POND 17E5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.44 ft	**Discharge Coefficients**	
Control Elevation:	2.44 ft	Weir Default:	3.200
Max Depth:	5.33 ft	Weir Table:	
Max Width:	4.83 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Rating Curve Link: EX17S29_17GW29

Scenario:	System 17 - Pre Dev
From Node:	EX17S29
To Node:	GWT-29
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX17S29	1.43	EX17S29	1.43	EX17S29

Comment:

Weir Link: EX17S29_WEIR

Scenario:	System 17 - Pre Dev	**Bottom Clip**	
From Node:	EX17S29	Default:	0.00 ft
To Node:	POND 17E5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.44 ft	**Discharge Coefficients**	

Control Elevation:	2.44 ft		
Max Depth:	5.33 ft	Weir Default:	3.200
Max Width:	4.83 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Pipe Link: EX17S30_S31		Upstream		Downstream	
Scenario:	System 17 - Pre Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S30	Geometry: Circular		Geometry: Circular	
To Node:	EX17S31	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	222.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX17S31_S32		Upstream		Downstream	
Scenario:	System 17 - Pre Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S31	Geometry: Circular		Geometry: Circular	
To Node:	EX17S32	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	181.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX17S32_PONDE6	Upstream	Downstream

Scenario:	System 17 - Pre Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S32	Geometry: Circular		Geometry: Circular	
To Node:	POND 17E6	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	6.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX17S34_17GW34

Scenario: System 17 - Pre Dev
From Node: EX17S34
To Node: GWT-34
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX17S34	1.43	EX17S34	1.43	EX17S34

Comment:

Weir Link: EX17S34_WEIR

Scenario:	System 17 - Pre Dev	Bottom Clip	
From Node:	POND 17E6	Default:	0.00 ft
To Node:	EX17S34	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.44 ft	Discharge Coefficients	
Control Elevation:	2.44 ft	Weir Default:	3.200
Max Depth:	5.33 ft	Weir Table:	
Max Width:	4.83 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EX17S35_NLC		Upstream		Downstream	
Scenario:	System 17 - Pre Dev	Invert:	-4.77 ft	Invert:	-4.87 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S35	Geometry: Circular		Geometry: Circular	
To Node:	NLC	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	45.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: EX17S35_WEIR			
Scenario:	System 17 - Pre Dev	Bottom Clip	
From Node:	POND 17E6	Default:	0.00 ft
To Node:	EX17S35	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.34 ft	Discharge Coefficients	
Control Elevation:	3.34 ft	Weir Default:	3.200
Max Depth:	8.75 ft	Weir Table:	
Max Width:	3.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Simulation: 100Y-1H	
Scenario:	System 17 - Pre Dev
Run Date/Time:	7/24/2019 9:25:20 AM
Program Version:	ICPR4 4.03.02.00

General				
Run Mode:	Normal			
	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	3.0000	1.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	25.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 1-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 17 - Pre Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 17 - Pre Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight 0.5 dec

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False

Fact:			
dZ Tolerance:	0.0010 ft	Manual Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	5.10 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100Y-24H

Scenario: System 17 - Pre Dev
Run Date/Time: 7/24/2019 9:26:19 AM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	26.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	48.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 24-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 17 - Pre Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 17 - Pre Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 13.44 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 100Y-8H

Scenario: System 17 - Pre Dev
Run Date/Time: 7/24/2019 9:27:46 AM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	10.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	32.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:

Lookup Tables

Boundary Stage Set: 8-Hour
Extern Hydrograph Set:

Unit Hydrograph Folder:		Curve Number Set:	Basin 17 - Pre Dev
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	Basin 17 - Pre Dev
		Roughness Set:	
		Crop Coef Set:	
		Fillable Porosity Set:	
		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Manual Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	9.60 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-1H

Scenario:	System 17 - Pre Dev
Run Date/Time:	7/24/2019 9:28:30 AM
Program Version:	ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	3.0000	1.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	25.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 1-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 17 - Pre Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 17 - Pre Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 3.55 in

Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-24H

Scenario: System 17 - Pre Dev
Run Date/Time: 7/24/2019 9:29:25 AM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	26.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	48.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 24-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 17 - Pre Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 17 - Pre Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 8.88 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 10Y-8H

Scenario: System 17 - Pre Dev
Run Date/Time: 7/24/2019 9:30:51 AM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	10.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	32.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 8-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 17 - Pre Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 17 - Pre Dev

Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Manual Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	6.80 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25Y-72H

Scenario:	System 17 - Pre Dev
Run Date/Time:	7/24/2019 9:31:31 AM
Program Version:	ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	48.0000	15.0000
0	0	0	56.0000	5.0000
0	0	0	64.0000	1.0000
0	0	0	72.0000	5.0000
0	0	0	74.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	48.0000	15.0000
0	0	0	56.0000	5.0000
0	0	0	64.0000	1.0000
0	0	0	72.0000	5.0000
0	0	0	96.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 72-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 17 - Pre Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 17 - Pre Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global

Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	14.50 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Node Max Conditions [System 17 - Pre Dev]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX17S01	100Y-1H	5.22	3.80	0.0010	34.61	34.46	353
EX17S01-OFFSITE	100Y-1H	5.43	10.61	0.0011	162.63	162.61	100
EX17S04	100Y-1H	4.65	4.75	0.0012	7.22	7.19	261
EX17S05	100Y-1H	4.68	3.13	0.0015	15.07	18.80	498
EX17S06	100Y-1H	3.94	3.10	0.0010	4.65	4.62	100
EX17S07	100Y-1H	4.46	3.07	0.0010	3.35	3.34	262
EX17S09	100Y-1H	4.46	3.13	0.0016	20.74	15.07	498
EX17S10	100Y-1H	4.46	3.14	0.0010	18.23	18.36	285
EX17S14	100Y-1H	5.43	4.37	0.0009	6.53	6.51	261
EX17S15	100Y-1H	15.04	5.49	0.0009	34.24	34.24	299
EX17S16	100Y-1H	13.04	5.83	0.0010	33.01	33.00	384
EX17S17	100Y-1H	13.81	4.65	0.0010	7.03	7.00	261
EX17S18	100Y-1H	6.83	5.39	0.0010	33.27	33.26	229
EX17S19	100Y-1H	8.08	6.31	0.0010	29.83	29.83	519
EX17S20	100Y-1H	6.36	6.73	0.0012	27.94	27.88	375
EX17S21	100Y-1H	5.43	5.69	0.0014	30.47	30.46	264
EX17S22	100Y-1H	6.24	7.00	0.0014	19.97	19.80	263
EX17S23	100Y-1H	10.09	7.09	0.0010	13.97	13.79	158
EX17S24	100Y-1H	10.05	7.16	0.0010	9.60	9.37	287
EX17S25	100Y-1H	23.23	7.17	0.0010	60.92	60.88	239
EX17S26	100Y-1H	11.05	6.56	0.0015	60.78	60.77	329
EX17S27	100Y-1H	5.43	5.85	0.0020	60.77	60.32	272
EX17S29	100Y-1H	5.43	5.75	0.0014	5.72	5.62	261
EX17S30	100Y-1H	10.62	5.73	0.0006	17.12	17.20	366
EX17S31	100Y-1H	17.37	5.60	0.0006	28.88	28.88	617
EX17S32	100Y-1H	22.66	5.14	0.0005	30.18	30.18	293
EX17S34	100Y-1H	5.43	3.82	0.0010	6.26	6.24	261
EX17S35	100Y-1H	5.43	1.54	0.0004	25.74	25.75	100
GWT-1	100Y-1H	99.00	1.43	0.0000	22.93	0.00	0
GWT-10	100Y-1H	99.00	1.43	0.0000	16.41	0.00	0
GWT-14	100Y-1H	99.00	1.43	0.0000	6.51	0.00	0
GWT-17	100Y-1H	99.00	1.43	0.0000	7.00	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
GWT-27	100Y-1H	99.00	1.43	0.0000	5.71	0.00	0
GWT-29	100Y-1H	99.00	1.43	0.0000	5.62	0.00	0
GWT-34	100Y-1H	99.00	1.43	0.0000	6.24	0.00	0
GWT-4	100Y-1H	99.00	1.43	0.0000	7.19	0.00	0
GWT-7	100Y-1H	99.00	1.43	0.0000	3.34	0.00	0
NLC	100Y-1H	99.00	1.43	0.0000	162.61	0.00	0
POND 17E1	100Y-1H	4.46	3.21	0.0001	60.75	18.23	147471
POND 17E2	100Y-1H	13.81	4.66	0.0004	58.80	50.80	19492
POND 17E3	100Y-1H	4.46	3.07	0.0001	4.35	2.86	10515
POND 17E4	100Y-1H	5.43	4.39	0.0003	32.38	12.88	27029
POND 17E5	100Y-1H	5.43	5.76	0.0006	67.17	45.23	25701
POND 17E6	100Y-1H	5.43	3.83	0.0003	34.20	31.98	18758
POND 17W1	100Y-1H	5.22	3.84	0.0002	81.88	24.79	117984
POND 17W3	100Y-1H	4.65	4.76	0.0003	47.47	33.09	17876
EX17S01	100Y-24H	5.22	3.06	0.0010	12.88	12.87	353
EX17S01-OFFSITE	100Y-24H	5.43	2.43	0.0010	28.02	28.02	100
EX17S04	100Y-24H	4.65	3.46	0.0008	4.04	4.04	261
EX17S05	100Y-24H	4.68	2.78	0.0010	6.61	3.99	488
EX17S06	100Y-24H	3.94	2.77	0.0010	1.62	1.53	100
EX17S07	100Y-24H	4.46	2.77	0.0009	1.78	1.73	262
EX17S09	100Y-24H	4.46	2.78	0.0010	3.63	6.31	488
EX17S10	100Y-24H	4.46	2.78	0.0010	8.71	8.88	285
EX17S14	100Y-24H	5.43	3.30	0.0008	3.59	3.59	261
EX17S15	100Y-24H	15.04	3.80	0.0003	8.28	8.28	294
EX17S16	100Y-24H	13.04	3.94	0.0004	8.07	8.06	383
EX17S17	100Y-24H	13.81	3.33	0.0007	3.68	3.68	261
EX17S18	100Y-24H	6.83	3.60	0.0010	7.14	6.49	228
EX17S19	100Y-24H	8.08	3.99	0.0005	7.61	7.52	519
EX17S20	100Y-24H	6.36	4.02	0.0010	7.37	7.12	375
EX17S21	100Y-24H	5.43	3.61	0.0019	6.46	6.47	100
EX17S22	100Y-24H	6.24	4.04	0.0017	6.76	5.73	127
EX17S23	100Y-24H	10.09	4.05	0.0010	3.77	5.13	149
EX17S24	100Y-24H	10.05	4.09	0.0002	2.95	2.96	200

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX17S25	100Y-24H	23.23	4.10	0.0002	11.50	11.51	233
EX17S26	100Y-24H	11.05	3.93	0.0002	10.22	10.22	315
EX17S27	100Y-24H	5.43	3.64	0.0009	10.22	10.22	273
EX17S29	100Y-24H	5.43	3.62	0.0006	3.20	3.19	261
EX17S30	100Y-24H	10.62	3.62	0.0001	1.55	1.56	357
EX17S31	100Y-24H	17.37	3.61	0.0001	5.02	5.02	601
EX17S32	100Y-24H	22.66	3.42	0.0001	5.32	5.31	279
EX17S34	100Y-24H	5.43	3.25	0.0010	4.19	4.18	261
EX17S35	100Y-24H	5.43	2.43	0.0001	0.00	0.00	100
GWT-1	100Y-24H	99.00	2.43	0.0001	12.87	0.07	0
GWT-10	100Y-24H	99.00	2.43	0.0001	8.51	0.14	0
GWT-14	100Y-24H	99.00	2.43	0.0001	3.59	0.10	0
GWT-17	100Y-24H	99.00	2.43	0.0001	3.68	0.06	0
GWT-27	100Y-24H	99.00	2.43	0.0001	3.22	0.01	0
GWT-29	100Y-24H	99.00	2.43	0.0001	3.19	0.01	0
GWT-34	100Y-24H	99.00	2.43	0.0001	4.18	0.16	0
GWT-4	100Y-24H	99.00	2.43	0.0001	4.04	0.06	0
GWT-7	100Y-24H	99.00	2.43	0.0001	1.73	0.03	0
NLC	100Y-24H	99.00	2.43	0.0001	28.02	0.05	0
POND 17E1	100Y-24H	4.46	2.81	0.0000	11.99	8.59	144942
POND 17E2	100Y-24H	13.81	3.34	0.0001	12.39	11.58	16381
POND 17E3	100Y-24H	4.46	2.77	0.0001	0.74	0.59	10080
POND 17E4	100Y-24H	5.43	3.31	0.0002	6.87	3.59	23658
POND 17E5	100Y-24H	5.43	3.62	0.0001	8.73	9.10	16340
POND 17E6	100Y-24H	5.43	3.26	0.0001	6.21	4.19	16758
POND 17W1	100Y-24H	5.22	3.08	0.0001	13.54	8.26	115745
POND 17W3	100Y-24H	4.65	3.47	0.0001	10.61	10.25	15198
EX17S01	100Y-8H	5.22	4.19	0.0010	19.42	19.40	353
EX17S01-OFFSITE	100Y-8H	5.43	4.58	0.0018	84.10	84.09	100
EX17S04	100Y-8H	4.65	4.51	0.0010	6.19	6.17	261
EX17S05	100Y-8H	4.68	3.58	0.0013	10.99	9.53	509
EX17S06	100Y-8H	3.94	3.55	0.0010	2.95	2.82	100
EX17S07	100Y-8H	4.46	3.53	0.0010	2.82	2.75	262

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX17S09	100Y-8H	4.46	3.58	0.0014	10.64	10.82	508
EX17S10	100Y-8H	4.46	3.58	0.0010	13.60	13.90	285
EX17S14	100Y-8H	5.43	4.48	0.0008	6.07	6.06	261
EX17S15	100Y-8H	15.04	4.79	0.0005	21.19	21.16	299
EX17S16	100Y-8H	13.04	4.97	0.0007	20.55	20.55	384
EX17S17	100Y-8H	13.81	4.51	0.0008	6.16	6.15	261
EX17S18	100Y-8H	6.83	4.87	0.0010	22.72	22.70	229
EX17S19	100Y-8H	8.08	5.17	0.0007	18.90	18.89	519
EX17S20	100Y-8H	6.36	5.33	0.0018	17.52	17.51	375
EX17S21	100Y-8H	5.43	5.02	0.0015	20.76	20.72	264
EX17S22	100Y-8H	6.24	5.44	0.0015	12.73	12.72	127
EX17S23	100Y-8H	10.09	5.47	0.0010	8.31	8.29	150
EX17S24	100Y-8H	10.05	5.50	0.0010	5.97	5.95	237
EX17S25	100Y-8H	23.23	5.50	0.0010	34.30	34.30	239
EX17S26	100Y-8H	11.05	5.24	0.0020	33.73	33.73	317
EX17S27	100Y-8H	5.43	5.09	0.0024	33.73	33.68	273
EX17S29	100Y-8H	5.43	5.04	0.0010	4.85	4.83	261
EX17S30	100Y-8H	10.62	5.04	0.0007	11.55	11.64	366
EX17S31	100Y-8H	17.37	4.96	0.0007	21.08	21.07	617
EX17S32	100Y-8H	22.66	4.63	0.0006	21.93	21.92	293
EX17S34	100Y-8H	5.43	3.73	0.0008	5.02	4.97	261
EX17S35	100Y-8H	5.43	2.43	0.0010	19.41	19.40	100
GWT-1	100Y-8H	99.00	2.43	0.0001	19.40	0.11	0
GWT-10	100Y-8H	99.00	2.43	0.0001	12.44	0.20	0
GWT-14	100Y-8H	99.00	2.43	0.0001	6.06	0.20	0
GWT-17	100Y-8H	99.00	2.43	0.0001	6.15	0.08	0
GWT-27	100Y-8H	99.00	2.43	0.0001	4.89	0.02	0
GWT-29	100Y-8H	99.00	2.43	0.0001	4.83	0.02	0
GWT-34	100Y-8H	99.00	2.43	0.0001	4.97	0.33	0
GWT-4	100Y-8H	99.00	2.43	0.0001	6.17	0.09	0
GWT-7	100Y-8H	99.00	2.43	0.0001	2.50	0.04	0
NLC	100Y-8H	99.00	2.43	0.0001	102.80	0.04	0
POND 17E1	100Y-8H	4.46	3.61	0.0002	40.94	13.60	150114

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND 17E2	100Y-8H	13.81	4.52	0.0006	38.75	33.09	19182
POND 17E3	100Y-8H	4.46	3.53	0.0003	2.57	1.34	11262
POND 17E4	100Y-8H	5.43	4.49	0.0005	21.92	6.25	27361
POND 17E5	100Y-8H	5.43	5.05	0.0007	33.67	31.11	23734
POND 17E6	100Y-8H	5.43	3.75	0.0008	24.54	24.18	18462
POND 17W1	100Y-8H	5.22	4.21	0.0003	43.84	18.61	119049
POND 17W3	100Y-8H	4.65	4.52	0.0005	28.17	24.78	17425
EX17S01	10Y-1H	5.22	3.16	0.0010	23.79	23.69	353
EX17S01-OFFSITE	10Y-1H	5.43	5.77	0.0010	111.78	111.77	100
EX17S04	10Y-1H	4.65	4.12	0.0011	6.10	6.08	261
EX17S05	10Y-1H	4.68	2.70	0.0015	10.76	18.33	486
EX17S06	10Y-1H	3.94	2.69	0.0010	3.14	3.07	100
EX17S07	10Y-1H	4.46	2.67	0.0010	2.93	2.90	262
EX17S09	10Y-1H	4.46	2.71	0.0017	19.56	10.76	486
EX17S10	10Y-1H	4.46	2.71	0.0009	14.91	15.25	285
EX17S14	10Y-1H	5.43	3.66	0.0010	5.25	5.23	261
EX17S15	10Y-1H	15.04	4.82	0.0009	23.39	23.38	299
EX17S16	10Y-1H	13.04	5.05	0.0010	22.54	22.53	384
EX17S17	10Y-1H	13.81	4.02	0.0010	5.90	5.87	261
EX17S18	10Y-1H	6.83	4.61	0.0010	20.73	20.73	229
EX17S19	10Y-1H	8.08	5.28	0.0010	20.35	20.35	519
EX17S20	10Y-1H	6.36	5.47	0.0016	19.29	19.28	375
EX17S21	10Y-1H	5.43	4.73	0.0013	18.91	18.93	264
EX17S22	10Y-1H	6.24	5.61	0.0013	14.18	14.16	127
EX17S23	10Y-1H	10.09	5.67	0.0010	10.78	10.70	157
EX17S24	10Y-1H	10.05	5.72	0.0010	7.72	7.59	284
EX17S25	10Y-1H	23.23	5.73	0.0010	39.71	39.68	239
EX17S26	10Y-1H	11.05	5.44	0.0014	37.87	37.86	328
EX17S27	10Y-1H	5.43	4.80	0.0017	37.86	37.50	272
EX17S29	10Y-1H	5.43	4.76	0.0013	4.85	4.78	261
EX17S30	10Y-1H	10.62	4.76	0.0005	9.45	9.58	366
EX17S31	10Y-1H	17.37	4.69	0.0005	17.44	17.42	617
EX17S32	10Y-1H	22.66	4.40	0.0004	18.29	18.29	293

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX17S34	10Y-1H	5.43	3.60	0.0010	5.97	5.94	261
EX17S35	10Y-1H	5.43	1.45	0.0010	10.54	10.56	100
GWT-1	10Y-1H	99.00	1.43	0.0000	20.79	0.00	0
GWT-10	10Y-1H	99.00	1.43	0.0000	14.17	0.00	0
GWT-14	10Y-1H	99.00	1.43	0.0000	5.23	0.00	0
GWT-17	10Y-1H	99.00	1.43	0.0000	5.87	0.00	0
GWT-27	10Y-1H	99.00	1.43	0.0000	4.82	0.00	0
GWT-29	10Y-1H	99.00	1.43	0.0000	4.78	0.00	0
GWT-34	10Y-1H	99.00	1.43	0.0000	5.94	0.00	0
GWT-4	10Y-1H	99.00	1.43	0.0000	6.08	0.00	0
GWT-7	10Y-1H	99.00	1.43	0.0000	2.90	0.00	0
NLC	10Y-1H	99.00	1.43	0.0000	111.77	0.04	0
POND 17E1	10Y-1H	4.46	2.88	0.0001	39.24	14.91	145396
POND 17E2	10Y-1H	13.81	4.03	0.0003	37.52	30.11	18107
POND 17E3	10Y-1H	4.46	2.67	0.0001	2.80	2.57	9936
POND 17E4	10Y-1H	5.43	3.68	0.0004	18.27	8.18	24841
POND 17E5	10Y-1H	5.43	4.76	0.0005	42.91	28.13	22264
POND 17E6	10Y-1H	5.43	3.61	0.0003	20.90	16.48	17984
POND 17W1	10Y-1H	5.22	3.22	0.0001	48.73	19.75	116155
POND 17W3	10Y-1H	4.65	4.13	0.0003	32.38	22.13	16656
EX17S01	10Y-24H	5.22	2.75	0.0010	9.44	9.44	353
EX17S01-OFFSITE	10Y-24H	5.43	2.43	0.0013	18.50	18.50	100
EX17S04	10Y-24H	4.65	3.17	0.0007	3.40	3.40	261
EX17S05	10Y-24H	4.68	2.60	0.0010	3.80	3.73	483
EX17S06	10Y-24H	3.94	2.59	0.0010	0.90	1.00	100
EX17S07	10Y-24H	4.46	2.59	0.0010	1.47	1.24	262
EX17S09	10Y-24H	4.46	2.60	0.0010	3.79	3.80	483
EX17S10	10Y-24H	4.46	2.60	0.0010	6.06	6.04	285
EX17S14	10Y-24H	5.43	2.71	0.0009	2.14	2.14	261
EX17S15	10Y-24H	15.04	3.56	0.0002	5.43	5.43	282
EX17S16	10Y-24H	13.04	3.68	0.0004	5.29	5.29	383
EX17S17	10Y-24H	13.81	3.00	0.0008	2.96	2.96	261
EX17S18	10Y-24H	6.83	3.26	0.0008	4.67	3.39	221

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX17S19	10Y-24H	8.08	3.71	0.0005	5.03	4.93	519
EX17S20	10Y-24H	6.36	3.72	0.0010	5.03	4.74	375
EX17S21	10Y-24H	5.43	3.27	0.0017	3.47	4.26	100
EX17S22	10Y-24H	6.24	3.73	0.0016	4.79	3.99	127
EX17S23	10Y-24H	10.09	3.73	0.0010	2.59	3.81	142
EX17S24	10Y-24H	10.05	3.79	0.0001	2.05	2.06	185
EX17S25	10Y-24H	23.23	3.81	0.0001	7.49	7.49	220
EX17S26	10Y-24H	11.05	3.65	0.0001	6.52	6.52	309
EX17S27	10Y-24H	5.43	3.28	0.0010	6.52	6.52	273
EX17S29	10Y-24H	5.43	3.27	0.0008	2.79	2.78	261
EX17S30	10Y-24H	10.62	3.28	0.0001	1.36	1.35	329
EX17S31	10Y-24H	17.37	3.27	0.0001	2.45	2.44	551
EX17S32	10Y-24H	22.66	3.12	0.0001	2.63	2.63	252
EX17S34	10Y-24H	5.43	2.69	0.0009	2.55	2.54	261
EX17S35	10Y-24H	5.43	2.43	0.0002	0.00	0.00	100
GWT-1	10Y-24H	99.00	2.43	0.0002	9.44	0.12	0
GWT-10	10Y-24H	99.00	2.43	0.0002	6.04	0.21	0
GWT-14	10Y-24H	99.00	2.43	0.0002	2.14	0.15	0
GWT-17	10Y-24H	99.00	2.43	0.0002	2.96	0.09	0
GWT-27	10Y-24H	99.00	2.43	0.0002	2.80	0.02	0
GWT-29	10Y-24H	99.00	2.43	0.0002	2.78	0.02	0
GWT-34	10Y-24H	99.00	2.43	0.0002	2.54	0.23	0
GWT-4	10Y-24H	99.00	2.43	0.0002	3.40	0.09	0
GWT-7	10Y-24H	99.00	2.43	0.0002	1.24	0.04	0
NLC	10Y-24H	99.00	2.43	0.0002	18.50	0.04	0
POND 17E1	10Y-24H	4.46	2.65	0.0000	7.23	5.93	143890
POND 17E2	10Y-24H	13.81	3.01	0.0001	6.89	6.38	15454
POND 17E3	10Y-24H	4.46	2.59	0.0001	0.49	0.48	9822
POND 17E4	10Y-24H	5.43	2.72	0.0001	3.14	2.14	21615
POND 17E5	10Y-24H	5.43	3.27	0.0001	5.66	5.78	14547
POND 17E6	10Y-24H	5.43	2.70	0.0001	3.21	2.55	14845
POND 17W1	10Y-24H	5.22	2.76	0.0000	8.40	6.03	114784
POND 17W3	10Y-24H	4.65	3.18	0.0001	6.97	6.62	14447

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX17S01	10Y-8H	5.22	3.59	0.0010	14.39	14.36	353
EX17S01-OFFSITE	10Y-8H	5.43	3.36	0.0017	59.49	59.49	100
EX17S04	10Y-8H	4.65	4.02	0.0009	5.03	5.01	261
EX17S05	10Y-8H	4.68	3.13	0.0011	7.85	8.85	498
EX17S06	10Y-8H	3.94	3.12	0.0010	2.34	2.22	100
EX17S07	10Y-8H	4.46	3.11	0.0010	2.22	2.17	262
EX17S09	10Y-8H	4.46	3.13	0.0012	9.45	7.81	498
EX17S10	10Y-8H	4.46	3.13	0.0010	9.31	9.40	285
EX17S14	10Y-8H	5.43	3.90	0.0009	4.63	4.61	261
EX17S15	10Y-8H	15.04	4.36	0.0004	15.72	15.71	299
EX17S16	10Y-8H	13.04	4.54	0.0005	15.27	15.26	384
EX17S17	10Y-8H	13.81	3.92	0.0010	4.71	4.70	261
EX17S18	10Y-8H	6.83	4.31	0.0010	15.56	15.55	229
EX17S19	10Y-8H	8.08	4.64	0.0006	14.10	14.09	519
EX17S20	10Y-8H	6.36	4.73	0.0019	13.21	13.20	375
EX17S21	10Y-8H	5.43	4.37	0.0014	14.21	14.22	264
EX17S22	10Y-8H	6.24	4.80	0.0016	9.88	9.87	127
EX17S23	10Y-8H	10.09	4.82	0.0010	6.93	6.92	150
EX17S24	10Y-8H	10.05	4.85	0.0007	5.23	5.22	224
EX17S25	10Y-8H	23.23	4.87	0.0007	23.91	23.91	239
EX17S26	10Y-8H	11.05	4.65	0.0019	22.21	22.21	320
EX17S27	10Y-8H	5.43	4.43	0.0024	22.21	22.18	273
EX17S29	10Y-8H	5.43	4.39	0.0009	3.96	3.94	261
EX17S30	10Y-8H	10.62	4.39	0.0004	6.49	6.58	366
EX17S31	10Y-8H	17.37	4.35	0.0004	13.08	13.06	617
EX17S32	10Y-8H	22.66	4.09	0.0004	13.67	13.67	293
EX17S34	10Y-8H	5.43	3.60	0.0008	4.54	4.49	261
EX17S35	10Y-8H	5.43	2.43	0.0012	10.41	10.40	100
GWT-1	10Y-8H	99.00	2.43	0.0002	14.36	0.16	0
GWT-10	10Y-8H	99.00	2.43	0.0002	8.94	0.27	0
GWT-14	10Y-8H	99.00	2.43	0.0002	4.61	0.26	0
GWT-17	10Y-8H	99.00	2.43	0.0002	4.70	0.15	0
GWT-27	10Y-8H	99.00	2.43	0.0002	3.99	0.03	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
GWT-29	10Y-8H	99.00	2.43	0.0002	3.94	0.03	0
GWT-34	10Y-8H	99.00	2.43	0.0002	4.49	0.42	0
GWT-4	10Y-8H	99.00	2.43	0.0002	5.01	0.17	0
GWT-7	10Y-8H	99.00	2.43	0.0002	1.82	0.06	0
NLC	10Y-8H	99.00	2.43	0.0002	68.57	0.05	0
POND 17E1	10Y-8H	4.46	3.16	0.0001	26.79	9.16	147142
POND 17E2	10Y-8H	13.81	3.93	0.0005	27.98	25.74	17813
POND 17E3	10Y-8H	4.46	3.11	0.0003	1.93	1.04	10570
POND 17E4	10Y-8H	5.43	3.91	0.0005	17.13	4.63	25505
POND 17E5	10Y-8H	5.43	4.40	0.0004	21.62	20.73	20369
POND 17E6	10Y-8H	5.43	3.61	0.0007	15.51	14.87	17976
POND 17W1	10Y-8H	5.22	3.61	0.0003	29.38	11.11	117301
POND 17W3	10Y-8H	4.65	4.03	0.0004	20.65	19.03	16440
EX17S01	25Y-72H	5.22	4.18	0.0009	28.27	28.11	353
EX17S01-OFFSITE	25Y-72H	5.43	8.31	0.0010	132.84	132.83	100
EX17S04	25Y-72H	4.65	4.77	0.0006	6.80	6.78	261
EX17S05	25Y-72H	4.68	3.50	0.0016	10.63	19.13	507
EX17S06	25Y-72H	3.94	3.47	0.0010	3.91	3.89	100
EX17S07	25Y-72H	4.46	3.45	0.0010	2.76	2.67	262
EX17S09	25Y-72H	4.46	3.50	0.0016	20.88	10.43	507
EX17S10	25Y-72H	4.46	3.50	0.0010	13.55	13.75	285
EX17S14	25Y-72H	5.43	4.57	0.0007	6.24	6.23	261
EX17S15	25Y-72H	15.04	5.37	0.0005	32.31	32.31	299
EX17S16	25Y-72H	13.04	5.69	0.0006	31.29	31.28	384
EX17S17	25Y-72H	13.81	4.68	0.0003	6.55	6.54	261
EX17S18	25Y-72H	6.83	5.37	0.0006	32.67	32.65	229
EX17S19	25Y-72H	8.08	6.13	0.0007	28.67	28.66	519
EX17S20	25Y-72H	6.36	6.50	0.0017	26.31	26.26	375
EX17S21	25Y-72H	5.43	5.67	0.0014	30.09	30.09	264
EX17S22	25Y-72H	6.24	6.74	0.0016	18.58	18.47	263
EX17S23	25Y-72H	10.09	6.79	0.0010	10.60	10.54	150
EX17S24	25Y-72H	10.05	6.83	0.0010	7.30	7.42	169
EX17S25	25Y-72H	23.23	6.84	0.0009	54.77	54.75	239

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX17S26	25Y-72H	11.05	6.32	0.0018	56.04	56.03	319
EX17S27	25Y-72H	5.43	5.82	0.0021	56.03	55.78	273
EX17S29	25Y-72H	5.43	5.72	0.0007	5.84	5.76	261
EX17S30	25Y-72H	10.62	5.71	0.0007	16.16	16.21	366
EX17S31	25Y-72H	17.37	5.59	0.0006	28.80	28.80	617
EX17S32	25Y-72H	22.66	5.13	0.0006	30.01	30.01	293
EX17S34	25Y-72H	5.43	3.84	0.0007	4.87	4.85	261
EX17S35	25Y-72H	5.43	2.43	0.0010	27.42	27.42	100
GWT-1	25Y-72H	99.00	2.43	0.0001	19.50	0.07	0
GWT-10	25Y-72H	99.00	2.43	0.0001	12.26	0.12	0
GWT-14	25Y-72H	99.00	2.43	0.0001	6.23	0.08	0
GWT-17	25Y-72H	99.00	2.43	0.0001	6.54	0.05	0
GWT-27	25Y-72H	99.00	2.43	0.0001	5.91	0.01	0
GWT-29	25Y-72H	99.00	2.43	0.0001	5.76	0.01	0
GWT-34	25Y-72H	99.00	2.43	0.0001	4.85	0.13	0
GWT-4	25Y-72H	99.00	2.43	0.0001	6.78	0.05	0
GWT-7	25Y-72H	99.00	2.43	0.0001	2.45	0.03	0
NLC	25Y-72H	99.00	2.43	0.0001	153.92	0.11	0
POND 17E1	25Y-72H	4.46	3.54	0.0002	57.64	13.55	149598
POND 17E2	25Y-72H	13.81	4.69	0.0003	57.00	49.79	19571
POND 17E3	25Y-72H	4.46	3.45	0.0001	4.09	0.70	11110
POND 17E4	25Y-72H	5.43	4.58	0.0004	32.69	9.14	27670
POND 17E5	25Y-72H	5.43	5.73	0.0007	57.77	44.30	25701
POND 17E6	25Y-72H	5.43	3.85	0.0003	33.85	32.27	18832
POND 17W1	25Y-72H	5.22	4.21	0.0002	75.89	19.21	119046
POND 17W3	25Y-72H	4.65	4.79	0.0003	43.36	34.01	17921

Link Min/Max Conditions [System 17 - Pre Dev]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX17PONDE1_PONDE2	100Y-1H	0.36	-15.37	0.01	-2.74	-5.51	-4.12
EX17PONDE2_S18	100Y-1H	2.84	-33.26	0.62	-4.70	-6.93	-5.62
EX17PONDE4_PONDE2	100Y-1H	7.19	-28.46	0.05	-4.51	-5.56	-4.82
EX17PONDE5_S30	100Y-1H	13.86	-8.83	0.05	-3.03	-4.33	-3.62
EX17PONDW1_PONDW3	100Y-1H	2.93	-16.16	0.03	-2.78	-5.59	-4.17
EX17PONDW3_PONDE2	100Y-1H	11.73	-3.05	-0.01	2.07	3.04	2.47
EX17PONDW3_S15	100Y-1H	0.55	-34.24	-0.02	-4.86	-7.00	-5.93
EX17S01-OFFSITE_NLC	100Y-1H	162.61	0.00	-2.00	16.90	16.90	16.90
EX17S01_17GW1	100Y-1H	22.93	0.00	0.01	0.00	0.00	0.00
EX17S01_WEIR	100Y-1H	22.18	-14.09	-0.01	2.10	2.10	2.10
EX17S04_17GW4	100Y-1H	7.19	0.00	0.00	0.00	0.00	0.00
EX17S04_WEIR	100Y-1H	7.22	0.00	0.00	1.30	1.30	1.30
EX17S05_S09	100Y-1H	18.80	-15.07	-18.80	0.22	0.22	0.22
EX17S06_S05	100Y-1H	4.04	-2.24	0.45	2.29	2.29	2.29
EX17S07_17GW07	100Y-1H	3.34	0.00	0.01	0.00	0.00	0.00
EX17S07_S06	100Y-1H	0.06	-3.33	-0.71	-1.88	-1.88	-1.88
EX17S07_WEIR	100Y-1H	2.86	-0.24	-0.01	1.13	1.13	1.13
EX17S09_S10	100Y-1H	5.98	-2.20	-0.84	1.90	1.90	1.90
EX17S10_17GW10	100Y-1H	16.41	0.00	0.02	0.00	0.00	0.00
EX17S10_WEIR	100Y-1H	0.00	-18.23	-0.11	-1.87	-1.87	-1.87
EX17S14_17GW14	100Y-1H	6.51	0.00	0.00	0.00	0.00	0.00
EX17S14_WEIR	100Y-1H	6.53	0.00	0.00	1.21	1.21	1.21
EX17S15_S16	100Y-1H	0.64	-33.00	0.04	-4.67	-4.69	-4.68
EX17S16_S19	100Y-1H	0.86	-29.83	0.49	-4.22	-4.22	-4.22
EX17S17_17GW17	100Y-1H	7.00	0.00	0.00	0.00	0.00	0.00
EX17S17_WEIR	100Y-1H	7.03	0.00	0.00	1.23	1.23	1.23
EX17S18_S21	100Y-1H	3.66	-30.46	-2.78	-4.31	-4.31	-4.31

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX17S19_S20	100Y-1H	1.77	-27.88	-1.90	-3.94	-3.94	-3.94
EX17S20_S22	100Y-1H	2.01	-19.80	-2.17	-4.03	-4.03	-4.03
EX17S21_WEIR	100Y-1H	3.15	-30.47	1.57	-1.18	-1.18	-1.18
EX17S22_S23	100Y-1H	2.06	-13.79	2.02	-2.81	-2.81	-2.81
EX17S23_S24	100Y-1H	0.96	-9.37	-0.27	-2.51	-4.56	-3.51
EX17S24_S25	100Y-1H	1.02	-7.47	0.08	-2.03	-2.30	-2.17
EX17S25_S26	100Y-1H	54.40	0.00	0.28	5.65	5.65	5.65
EX17S26_S27	100Y-1H	60.77	0.00	11.29	6.32	6.32	6.32
EX17S27_17GW27	100Y-1H	5.71	0.00	-0.01	0.00	0.00	0.00
EX17S27_WEIR	100Y-1H	55.07	-2.87	2.25	2.14	2.14	2.14
EX17S29_17GW29	100Y-1H	5.62	0.00	-0.01	0.00	0.00	0.00
EX17S29_WEIR	100Y-1H	0.00	-3.86	0.01	-1.02	-1.02	-1.02
EX17S30_S31	100Y-1H	17.20	-4.20	0.02	2.43	2.47	2.44
EX17S31_S32	100Y-1H	28.88	-0.04	-0.01	4.09	4.31	4.20
EX17S32_PONDE6	100Y-1H	30.18	0.00	-0.01	4.50	6.15	5.33
EX17S34_17GW34	100Y-1H	6.24	0.00	-0.01	0.00	0.00	0.00
EX17S34_WEIR	100Y-1H	6.26	0.00	-0.01	1.39	1.39	1.39
EX17S35_NLC	100Y-1H	25.75	0.00	1.13	2.05	2.05	2.05
EX17S35_WEIR	100Y-1H	25.74	0.00	-0.01	2.24	2.24	2.24
EX17PONDE1_PONDE2	100Y-24H	0.09	-2.64	0.00	-1.49	-3.36	-2.42
EX17PONDE2_S18	100Y-24H	0.09	-6.49	0.03	-1.63	-3.94	-2.77
EX17PONDE4_PONDE2	100Y-24H	0.07	-5.60	0.01	-1.66	-3.14	-2.28
EX17PONDE5_S30	100Y-24H	0.38	-1.53	-0.07	-1.85	-2.86	-2.34
EX17PONDW1_PONDW3	100Y-24H	0.24	-3.39	0.00	-1.57	-3.59	-2.58
EX17PONDW3_PONDE2	100Y-24H	2.84	0.00	0.00	1.22	2.50	1.67
EX17PONDW3_S15	100Y-24H	0.00	-8.28	-0.01	-2.93	-4.29	-3.56
EX17S01-OFFSITE_NLC	100Y-24H	28.02	-0.05	-2.48	2.91	2.91	2.91
EX17S01_17GW1	100Y-24H	12.87	-0.07	-0.05	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX17S01_WEIR	100Y-24H	8.26	0.00	0.00	1.53	1.53	1.53
EX17S04_17GW4	100Y-24H	4.04	-0.06	-0.03	0.00	0.00	0.00
EX17S04_WEIR	100Y-24H	4.04	0.00	0.00	1.13	1.13	1.13
EX17S05_S09	100Y-24H	3.26	-6.31	6.31	-0.08	-0.08	-0.08
EX17S06_S05	100Y-24H	0.17	-0.82	0.47	-0.46	-0.46	-0.46
EX17S07_17GW07	100Y-24H	1.73	-0.03	-0.03	0.00	0.00	0.00
EX17S07_S06	100Y-24H	0.04	-1.53	0.69	-0.87	-0.87	-0.87
EX17S07_WEIR	100Y-24H	0.59	0.00	-0.15	0.46	0.46	0.46
EX17S09_S10	100Y-24H	0.42	-0.72	0.71	-0.23	-0.23	-0.23
EX17S10_17GW10	100Y-24H	8.51	-0.14	-0.14	0.00	0.00	0.00
EX17S10_WEIR	100Y-24H	0.00	-8.59	-0.06	-1.53	-1.53	-1.53
EX17S14_17GW14	100Y-24H	3.59	-0.10	-0.10	0.00	0.00	0.00
EX17S14_WEIR	100Y-24H	3.59	0.00	0.00	1.04	1.04	1.04
EX17S15_S16	100Y-24H	0.00	-8.06	0.00	-2.74	-2.85	-2.80
EX17S16_S19	100Y-24H	0.09	-7.52	-0.11	-1.46	-1.42	-1.44
EX17S17_17GW17	100Y-24H	3.68	-0.06	-0.03	0.00	0.00	0.00
EX17S17_WEIR	100Y-24H	3.68	0.00	0.00	1.09	1.09	1.09
EX17S18_S21	100Y-24H	0.54	-6.47	-3.17	-0.92	-0.92	-0.92
EX17S19_S20	100Y-24H	0.01	-7.12	2.09	-1.01	-1.01	-1.01
EX17S20_S22	100Y-24H	0.00	-5.73	-1.75	-1.17	-1.17	-1.17
EX17S21_WEIR	100Y-24H	0.29	-6.46	1.87	-0.27	-0.27	-0.27
EX17S22_S23	100Y-24H	0.00	-5.13	-2.91	-1.04	-1.04	-1.04
EX17S23_S24	100Y-24H	0.00	-2.96	-0.08	-1.23	-2.45	-1.70
EX17S24_S25	100Y-24H	0.04	-2.56	-0.02	-0.96	-1.08	-1.02
EX17S25_S26	100Y-24H	8.96	0.00	0.00	2.58	2.78	2.68
EX17S26_S27	100Y-24H	10.22	0.00	0.01	3.18	1.06	2.12
EX17S27_17GW27	100Y-24H	3.22	-0.01	-0.01	0.00	0.00	0.00
EX17S27_WEIR	100Y-24H	7.00	-0.57	-0.01	0.32	0.32	0.32
EX17S29_17GW29	100Y-24H	3.19	-0.01	-0.01	0.00	0.00	0.00
EX17S29_WEIR	100Y-24H	0.00	-2.58	-0.01	-0.97	-0.97	-0.97
EX17S30_S31	100Y-24H	1.56	-0.81	0.03	-0.83	-0.98	-0.91
EX17S31_S32	100Y-24H	5.02	-0.01	0.00	1.97	2.49	2.23
EX17S32_PONDE6	100Y-24H	5.31	0.00	-0.01	2.64	3.89	3.26

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX17S34_17GW34	100Y-24H	4.18	-0.16	-0.16	0.00	0.00	0.00
EX17S34_WEIR	100Y-24H	4.19	0.00	0.00	1.13	1.13	1.13
EX17S35_NLC	100Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX17S35_WEIR	100Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX17PONDE1_PONDE2	100Y-8H	1.27	-13.59	-0.01	-2.60	-5.31	-3.95
EX17PONDE2_S18	100Y-8H	1.33	-22.70	-0.24	-3.25	-5.42	-4.17
EX17PONDE4_PONDE2	100Y-8H	0.67	-18.19	0.04	-2.88	-4.41	-3.35
EX17PONDE5_S30	100Y-8H	8.68	-2.28	0.05	-1.91	-2.89	-2.37
EX17PONDW1_PONDW3	100Y-8H	4.40	-14.57	0.08	-2.79	-5.03	-3.71
EX17PONDW3_PONDE2	100Y-8H	7.75	-1.21	-0.09	1.60	2.63	1.81
EX17PONDW3_S15	100Y-8H	0.00	-21.16	0.01	-3.90	-5.68	-4.70
EX17S01-OFFSITE_NLC	100Y-8H	84.09	-0.04	-2.43	8.74	8.74	8.74
EX17S01_17GW1	100Y-8H	19.40	-0.11	-0.07	0.00	0.00	0.00
EX17S01_WEIR	100Y-8H	14.48	-0.42	0.01	1.65	1.65	1.65
EX17S04_17GW4	100Y-8H	6.17	-0.09	-0.07	0.00	0.00	0.00
EX17S04_WEIR	100Y-8H	6.19	0.00	0.00	1.16	1.16	1.16
EX17S05_S09	100Y-8H	9.53	-10.82	10.82	-0.11	-0.11	-0.11
EX17S06_S05	100Y-8H	0.64	-1.64	-0.55	-0.93	-0.93	-0.93
EX17S07_17GW07	100Y-8H	2.50	-0.04	-0.04	0.00	0.00	0.00
EX17S07_S06	100Y-8H	0.04	-2.82	-0.79	-1.60	-1.60	-1.60
EX17S07_WEIR	100Y-8H	1.34	-0.62	0.03	0.79	0.79	0.79
EX17S09_S10	100Y-8H	2.26	-1.55	-1.08	0.72	0.72	0.72
EX17S10_17GW10	100Y-8H	12.44	-0.20	-0.20	0.00	0.00	0.00
EX17S10_WEIR	100Y-8H	0.00	-13.60	0.37	-1.61	-1.61	-1.61
EX17S14_17GW14	100Y-8H	6.06	-0.20	-0.20	0.00	0.00	0.00
EX17S14_WEIR	100Y-8H	6.07	0.00	0.00	1.09	1.09	1.09
EX17S15_S16	100Y-8H	0.02	-20.55	-0.02	-3.57	-3.78	-3.68
EX17S16_S19	100Y-8H	0.25	-18.89	0.47	-2.67	-2.67	-2.67

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX17S17_17GW17	100Y-8H	6.15	-0.08	-0.08	0.00	0.00	0.00
EX17S17_WEIR	100Y-8H	6.16	0.00	0.00	1.12	1.12	1.12
EX17S18_S21	100Y-8H	2.51	-20.72	-2.83	-2.93	-2.93	-2.93
EX17S19_S20	100Y-8H	0.00	-17.51	-2.19	-2.48	-2.48	-2.48
EX17S20_S22	100Y-8H	0.06	-12.72	-2.59	-2.59	-2.59	-2.59
EX17S21_WEIR	100Y-8H	1.78	-20.76	-1.77	-0.40	-0.40	-0.40
EX17S22_S23	100Y-8H	0.12	-8.29	-2.70	-1.69	-1.69	-1.69
EX17S23_S24	100Y-8H	0.37	-5.95	-0.48	-1.47	-2.93	-2.10
EX17S24_S25	100Y-8H	0.66	-4.92	0.40	-1.22	-1.34	-1.28
EX17S25_S26	100Y-8H	29.97	0.00	-0.08	3.68	3.92	3.80
EX17S26_S27	100Y-8H	33.73	0.00	-21.89	5.95	3.51	4.30
EX17S27_17GW27	100Y-8H	4.89	-0.02	-0.01	0.00	0.00	0.00
EX17S27_WEIR	100Y-8H	28.82	-1.42	-1.62	1.12	1.12	1.12
EX17S29_17GW29	100Y-8H	4.83	-0.02	-0.01	0.00	0.00	0.00
EX17S29_WEIR	100Y-8H	0.00	-3.11	-0.01	-0.96	-0.96	-0.96
EX17S30_S31	100Y-8H	11.64	-0.86	0.02	1.85	1.92	1.88
EX17S31_S32	100Y-8H	21.07	-0.02	0.01	3.32	3.81	3.56
EX17S32_PONDE6	100Y-8H	21.92	0.00	0.01	3.96	5.62	4.79
EX17S34_17GW34	100Y-8H	4.97	-0.33	-0.33	0.00	0.00	0.00
EX17S34_WEIR	100Y-8H	5.02	0.00	0.00	1.25	1.25	1.25
EX17S35_NLC	100Y-8H	19.40	-0.03	-3.55	1.54	1.54	1.54
EX17S35_WEIR	100Y-8H	19.41	0.00	0.02	2.04	2.04	2.04
EX17PONDE1_PONDE2	10Y-1H	0.10	-8.27	0.00	-2.17	-4.59	-3.38
EX17PONDE2_S18	10Y-1H	1.36	-20.73	0.29	-3.13	-6.05	-4.58
EX17PONDE4_PONDE2	10Y-1H	3.45	-16.41	0.05	-2.61	-4.68	-3.58
EX17PONDE5_S30	10Y-1H	6.97	-6.75	0.05	-2.81	-4.09	-3.41
EX17PONDW1_PONDW3	10Y-1H	0.26	-9.03	0.00	-2.19	-4.70	-3.45
EX17PONDW3_PONDE2	10Y-1H	7.51	-1.09	-0.02	1.79	2.83	2.23
EX17PONDW3_S15	10Y-1H	0.00	-23.38	-0.02	-4.05	-6.07	-5.06

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX17S01-OFFSITE_NLC	10Y-1H	111.77	-0.04	-1.72	11.62	11.62	11.62
EX17S01_17GW1	10Y-1H	20.79	0.00	0.01	0.00	0.00	0.00
EX17S01_WEIR	10Y-1H	19.75	-4.20	0.01	2.10	2.10	2.10
EX17S04_17GW4	10Y-1H	6.08	0.00	0.00	0.00	0.00	0.00
EX17S04_WEIR	10Y-1H	6.10	0.00	0.00	1.28	1.28	1.28
EX17S05_S09	10Y-1H	18.33	-10.76	-18.33	0.25	0.25	0.25
EX17S06_S05	10Y-1H	2.97	-1.70	-0.52	1.68	1.68	1.68
EX17S07_17GW07	10Y-1H	2.90	0.00	0.01	0.00	0.00	0.00
EX17S07_S06	10Y-1H	0.07	-2.24	-0.69	-1.27	-1.27	-1.27
EX17S07_WEIR	10Y-1H	2.57	0.00	0.01	1.09	1.09	1.09
EX17S09_S10	10Y-1H	5.02	-1.58	0.77	1.60	1.60	1.60
EX17S10_17GW10	10Y-1H	14.17	0.00	-0.02	0.00	0.00	0.00
EX17S10_WEIR	10Y-1H	0.00	-14.91	-0.02	-1.88	-1.88	-1.88
EX17S14_17GW14	10Y-1H	5.23	0.00	0.00	0.00	0.00	0.00
EX17S14_WEIR	10Y-1H	5.25	0.00	0.00	1.20	1.20	1.20
EX17S15_S16	10Y-1H	0.08	-22.53	-0.01	-3.70	-3.90	-3.80
EX17S16_S19	10Y-1H	0.59	-20.35	0.31	-2.88	-2.88	-2.88
EX17S17_17GW17	10Y-1H	5.87	0.00	-0.01	0.00	0.00	0.00
EX17S17_WEIR	10Y-1H	5.90	0.00	0.00	1.22	1.22	1.22
EX17S18_S21	10Y-1H	2.58	-18.93	-2.60	-2.68	-2.68	-2.68
EX17S19_S20	10Y-1H	0.00	-19.28	2.04	-2.73	-2.73	-2.73
EX17S20_S22	10Y-1H	0.00	-14.16	-2.38	-2.88	-2.88	-2.88
EX17S21_WEIR	10Y-1H	1.89	-18.91	1.23	0.54	0.54	0.54
EX17S22_S23	10Y-1H	0.03	-10.70	2.39	-2.18	-2.18	-2.18
EX17S23_S24	10Y-1H	0.07	-7.59	-0.06	-2.38	-4.39	-3.37
EX17S24_S25	10Y-1H	0.12	-6.34	0.02	-1.90	-2.17	-2.03
EX17S25_S26	10Y-1H	33.83	0.00	-0.22	3.86	4.10	3.98
EX17S26_S27	10Y-1H	37.86	0.00	18.13	4.59	3.94	4.26
EX17S27_17GW27	10Y-1H	4.82	0.00	0.00	0.00	0.00	0.00
EX17S27_WEIR	10Y-1H	33.07	-2.99	-2.66	1.30	1.30	1.30
EX17S29_17GW29	10Y-1H	4.78	0.00	0.00	0.00	0.00	0.00
EX17S29_WEIR	10Y-1H	0.00	-3.51	0.01	-1.03	-1.03	-1.03

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX17S30_S31	10Y-1H	9.58	-3.14	0.03	1.72	1.80	1.76
EX17S31_S32	10Y-1H	17.42	-0.07	-0.01	3.06	3.56	3.31
EX17S32_PONDE6	10Y-1H	18.29	0.00	-0.01	3.74	5.35	4.54
EX17S34_17GW34	10Y-1H	5.94	0.00	-0.01	0.00	0.00	0.00
EX17S34_WEIR	10Y-1H	5.97	0.00	0.00	1.37	1.37	1.37
EX17S35_NLC	10Y-1H	10.56	0.00	-3.00	0.84	0.84	0.84
EX17S35_WEIR	10Y-1H	10.54	0.00	0.01	1.66	1.66	1.66
EX17PONDE1_PONDE2	10Y-24H	0.04	-1.02	0.00	-1.09	-2.62	-1.86
EX17PONDE2_S18	10Y-24H	0.01	-3.39	-0.01	-1.14	-3.59	-2.37
EX17PONDE4_PONDE2	10Y-24H	0.02	-2.41	0.00	-1.16	-2.66	-1.91
EX17PONDE5_S30	10Y-24H	0.00	-1.35	0.04	-1.75	-2.66	-2.16
EX17PONDW1_PONDW3	10Y-24H	0.06	-1.71	0.00	-1.25	-2.99	-2.12
EX17PONDW3_PONDE2	10Y-24H	1.51	0.00	0.00	1.02	2.40	1.59
EX17PONDW3_S15	10Y-24H	0.00	-5.43	-0.01	-2.56	-4.09	-3.32
EX17S01-OFFSITE_NLC	10Y-24H	18.50	-0.04	-2.54	1.92	1.92	1.92
EX17S01_17GW1	10Y-24H	9.44	-0.12	-0.08	0.00	0.00	0.00
EX17S01_WEIR	10Y-24H	6.03	0.00	0.00	1.40	1.40	1.40
EX17S04_17GW4	10Y-24H	3.40	-0.09	-0.05	0.00	0.00	0.00
EX17S04_WEIR	10Y-24H	3.40	0.00	0.00	1.09	1.09	1.09
EX17S05_S09	10Y-24H	3.51	-3.80	3.80	-0.05	-0.05	-0.05
EX17S06_S05	10Y-24H	0.12	-0.50	0.35	-0.28	-0.28	-0.28
EX17S07_17GW07	10Y-24H	1.24	-0.04	-0.04	0.00	0.00	0.00
EX17S07_S06	10Y-24H	0.06	-1.00	-0.73	-0.56	-0.56	-0.56
EX17S07_WEIR	10Y-24H	0.48	0.00	-0.08	0.28	0.28	0.28
EX17S09_S10	10Y-24H	0.42	-0.49	-0.49	-0.16	-0.16	-0.16
EX17S10_17GW10	10Y-24H	6.04	-0.21	-0.21	0.00	0.00	0.00
EX17S10_WEIR	10Y-24H	0.00	-5.93	-0.02	-1.36	-1.36	-1.36
EX17S14_17GW14	10Y-24H	2.14	-0.15	-0.15	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX17S14_WEIR	10Y-24H	2.14	0.00	0.00	0.96	0.96	0.96
EX17S15_S16	10Y-24H	0.00	-5.29	0.00	-2.43	-2.49	-2.46
EX17S16_S19	10Y-24H	0.08	-4.93	0.14	-1.14	1.36	-1.11
EX17S17_17GW17	10Y-24H	2.96	-0.09	-0.09	0.00	0.00	0.00
EX17S17_WEIR	10Y-24H	2.96	0.00	0.00	1.04	1.04	1.04
EX17S18_S21	10Y-24H	0.41	-4.26	-2.92	-0.60	-0.60	-0.60
EX17S19_S20	10Y-24H	0.01	-4.74	2.01	-0.67	-0.67	-0.67
EX17S20_S22	10Y-24H	0.00	-3.99	-2.09	-0.81	-0.81	-0.81
EX17S21_WEIR	10Y-24H	0.22	-3.47	1.15	-0.21	-0.21	-0.21
EX17S22_S23	10Y-24H	0.03	-3.81	-3.13	-0.78	-0.78	-0.78
EX17S23_S24	10Y-24H	0.00	-2.06	0.03	-1.21	-2.40	-1.66
EX17S24_S25	10Y-24H	0.03	-1.79	0.01	-0.90	-1.07	-0.99
EX17S25_S26	10Y-24H	5.70	0.00	0.00	2.29	2.49	2.39
EX17S26_S27	10Y-24H	6.52	0.00	0.00	2.85	0.68	1.76
EX17S27_17GW27	10Y-24H	2.80	-0.02	-0.01	0.00	0.00	0.00
EX17S27_WEIR	10Y-24H	3.73	-0.53	0.01	0.36	0.36	0.36
EX17S29_17GW29	10Y-24H	2.78	-0.02	-0.01	0.00	0.00	0.00
EX17S29_WEIR	10Y-24H	0.00	-2.33	0.01	-0.94	-0.94	-0.94
EX17S30_S31	10Y-24H	0.29	-0.70	-0.02	-0.79	-0.93	-0.86
EX17S31_S32	10Y-24H	2.44	0.00	0.00	1.52	2.03	1.78
EX17S32_PONDE6	10Y-24H	2.63	0.00	0.00	2.18	3.26	2.72
EX17S34_17GW34	10Y-24H	2.54	-0.23	-0.18	0.00	0.00	0.00
EX17S34_WEIR	10Y-24H	2.55	0.00	0.00	1.04	1.04	1.04
EX17S35_NLC	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX17S35_WEIR	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX17PONDE1_PONDE2	10Y-8H	0.52	-7.23	-0.01	-2.07	-4.42	-3.24
EX17PONDE2_S18	10Y-8H	0.61	-15.55	0.06	-2.61	-5.12	-3.71
EX17PONDE4_PONDE2	10Y-8H	0.25	-14.45	0.05	-2.43	-4.25	-3.18
EX17PONDE5_S30	10Y-8H	4.45	-2.59	0.04	-1.86	-2.88	-2.36
EX17PONDW1_PONDW3	10Y-8H	1.42	-8.12	0.01	-2.20	-4.54	-3.32

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX17PONDW3_PONDE2	10Y-8H	6.06	0.00	-0.02	1.51	2.49	1.89
EX17PONDW3_S15	10Y-8H	0.00	-15.71	-0.01	-3.56	-5.34	-4.39
EX17S01-OFFSITE_NLC	10Y-8H	59.49	-0.05	-2.49	6.18	6.18	6.18
EX17S01_17GW1	10Y-8H	14.36	-0.16	-0.10	0.00	0.00	0.00
EX17S01_WEIR	10Y-8H	10.36	0.00	0.01	1.51	1.51	1.51
EX17S04_17GW4	10Y-8H	5.01	-0.17	-0.09	0.00	0.00	0.00
EX17S04_WEIR	10Y-8H	5.03	0.00	0.00	1.14	1.14	1.14
EX17S05_S09	10Y-8H	8.85	-7.81	-8.85	0.11	0.11	0.11
EX17S06_S05	10Y-8H	0.70	-1.05	0.45	-0.60	-0.60	-0.60
EX17S07_17GW07	10Y-8H	1.82	-0.06	-0.06	0.00	0.00	0.00
EX17S07_S06	10Y-8H	0.07	-2.22	-0.73	-1.25	-1.25	-1.25
EX17S07_WEIR	10Y-8H	1.04	-0.43	0.13	0.80	0.80	0.80
EX17S09_S10	10Y-8H	1.65	-1.21	1.04	0.52	0.52	0.52
EX17S10_17GW10	10Y-8H	8.94	-0.27	-0.27	0.00	0.00	0.00
EX17S10_WEIR	10Y-8H	0.00	-9.16	-0.27	-1.47	-1.47	-1.47
EX17S14_17GW14	10Y-8H	4.61	-0.26	-0.26	0.00	0.00	0.00
EX17S14_WEIR	10Y-8H	4.63	0.00	0.00	1.04	1.04	1.04
EX17S15_S16	10Y-8H	0.01	-15.26	0.01	-3.27	-3.45	-3.36
EX17S16_S19	10Y-8H	0.20	-14.09	0.13	-2.11	-2.11	-2.11
EX17S17_17GW17	10Y-8H	4.70	-0.15	-0.15	0.00	0.00	0.00
EX17S17_WEIR	10Y-8H	4.71	0.00	0.00	1.10	1.10	1.10
EX17S18_S21	10Y-8H	1.39	-14.22	-2.80	-2.01	-2.01	-2.01
EX17S19_S20	10Y-8H	0.00	-13.20	-2.18	-1.87	-1.87	-1.87
EX17S20_S22	10Y-8H	0.00	-9.87	-2.51	-2.01	-2.01	-2.01
EX17S21_WEIR	10Y-8H	1.05	-14.21	-1.98	-0.36	-0.36	-0.36
EX17S22_S23	10Y-8H	0.02	-6.92	-2.77	-1.41	-1.41	-1.41
EX17S23_S24	10Y-8H	0.00	-5.22	-0.05	-1.52	-2.70	-1.91
EX17S24_S25	10Y-8H	0.05	-4.42	-0.02	-1.23	-1.39	-1.31
EX17S25_S26	10Y-8H	19.62	0.00	-0.06	3.21	3.44	3.32
EX17S26_S27	10Y-8H	22.21	0.00	7.25	3.89	2.31	3.10
EX17S27_17GW27	10Y-8H	3.99	-0.03	-0.02	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX17S27_WEIR	10Y-8H	18.20	-0.98	1.41	-0.59	-0.59	-0.59
EX17S29_17GW29	10Y-8H	3.94	-0.03	-0.01	0.00	0.00	0.00
EX17S29_WEIR	10Y-8H	0.00	-2.69	-0.02	-0.96	-0.96	-0.96
EX17S30_S31	10Y-8H	6.58	-1.01	0.01	1.40	1.46	1.43
EX17S31_S32	10Y-8H	13.06	-0.02	0.01	2.75	3.27	3.01
EX17S32_PONDE6	10Y-8H	13.67	0.00	-0.01	3.43	4.96	4.19
EX17S34_17GW34	10Y-8H	4.49	-0.42	-0.42	0.00	0.00	0.00
EX17S34_WEIR	10Y-8H	4.54	0.00	0.00	1.16	1.16	1.16
EX17S35_NLC	10Y-8H	10.40	-0.01	-3.60	0.83	0.83	0.83
EX17S35_WEIR	10Y-8H	10.41	0.00	0.01	1.66	1.66	1.66
EX17PONDE1_PONDE2	25Y-72H	0.50	-15.76	0.00	-2.77	-5.55	-4.16
EX17PONDE2_S18	25Y-72H	0.02	-32.65	-0.26	-4.62	-6.50	-5.32
EX17PONDE4_PONDE2	25Y-72H	3.63	-28.12	0.05	-4.45	-5.32	-4.66
EX17PONDE5_S30	25Y-72H	12.56	-6.00	0.05	-2.07	-2.67	-2.18
EX17PONDW1_PONDW3	25Y-72H	4.21	-16.99	0.05	-2.94	-5.63	-4.20
EX17PONDW3_PONDE2	25Y-72H	11.12	-2.04	-0.02	1.95	2.80	2.30
EX17PONDW3_S15	25Y-72H	0.00	-32.31	0.01	-4.68	-6.63	-5.56
EX17S01-OFFSITE_NLC	25Y-72H	132.83	-0.11	-2.53	13.81	13.81	13.81
EX17S01_17GW1	25Y-72H	19.50	-0.07	-0.05	0.00	0.00	0.00
EX17S01_WEIR	25Y-72H	15.33	-14.07	-0.01	1.32	1.32	1.32
EX17S04_17GW4	25Y-72H	6.78	-0.05	-0.05	0.00	0.00	0.00
EX17S04_WEIR	25Y-72H	6.80	0.00	0.00	1.05	1.05	1.05
EX17S05_S09	25Y-72H	19.13	-10.43	-19.13	0.22	0.22	0.22
EX17S06_S05	25Y-72H	1.40	-1.68	0.46	-0.95	-0.95	-0.95
EX17S07_17GW07	25Y-72H	2.45	-0.03	-0.03	0.00	0.00	0.00
EX17S07_S06	25Y-72H	0.06	-2.76	-0.69	-1.56	-1.56	-1.56
EX17S07_WEIR	25Y-72H	0.70	-1.24	-0.08	-0.39	-0.39	-0.39
EX17S09_S10	25Y-72H	4.74	-1.52	-0.89	1.51	1.51	1.51

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX17S10_17GW10	25Y-72H	12.26	-0.12	-0.12	0.00	0.00	0.00
EX17S10_WEIR	25Y-72H	0.00	-13.55	-0.25	-1.31	-1.31	-1.31
EX17S14_17GW14	25Y-72H	6.23	-0.08	-0.04	0.00	0.00	0.00
EX17S14_WEIR	25Y-72H	6.24	0.00	0.00	0.94	0.94	0.94
EX17S15_S16	25Y-72H	0.00	-31.28	-0.01	-4.43	-4.53	-4.48
EX17S16_S19	25Y-72H	0.02	-28.66	0.42	-4.06	-4.06	-4.06
EX17S17_17GW17	25Y-72H	6.54	-0.05	-0.04	0.00	0.00	0.00
EX17S17_WEIR	25Y-72H	6.55	0.00	0.00	1.00	1.00	1.00
EX17S18_S21	25Y-72H	0.26	-30.09	2.75	-4.26	-4.26	-4.26
EX17S19_S20	25Y-72H	0.00	-26.26	-2.17	-3.72	-3.72	-3.72
EX17S20_S22	25Y-72H	0.00	-18.47	-2.46	-3.76	-3.76	-3.76
EX17S21_WEIR	25Y-72H	0.16	-30.09	-1.33	-1.17	-1.17	-1.17
EX17S22_S23	25Y-72H	0.18	-10.54	-2.67	-2.15	-2.15	-2.15
EX17S23_S24	25Y-72H	0.29	-7.42	-0.53	-1.52	-2.26	-1.64
EX17S24_S25	25Y-72H	0.55	-6.14	-0.31	-1.34	-1.48	-1.41
EX17S25_S26	25Y-72H	49.97	0.00	0.22	5.19	5.19	5.19
EX17S26_S27	25Y-72H	56.03	0.00	-17.51	5.82	5.82	5.82
EX17S27_17GW27	25Y-72H	5.91	-0.01	-0.01	0.00	0.00	0.00
EX17S27_WEIR	25Y-72H	50.09	-0.42	2.62	1.95	1.95	1.95
EX17S29_17GW29	25Y-72H	5.76	-0.01	-0.01	0.00	0.00	0.00
EX17S29_WEIR	25Y-72H	0.00	-3.46	0.00	-0.86	-0.86	-0.86
EX17S30_S31	25Y-72H	16.21	-2.74	0.02	2.29	2.31	2.30
EX17S31_S32	25Y-72H	28.80	0.00	-0.01	4.07	4.31	4.19
EX17S32_PONDE6	25Y-72H	30.01	0.00	-0.01	4.49	6.14	5.31
EX17S34_17GW34	25Y-72H	4.85	-0.13	-0.06	0.00	0.00	0.00
EX17S34_WEIR	25Y-72H	4.87	0.00	0.00	1.04	1.04	1.04
EX17S35_NLC	25Y-72H	27.42	-0.01	-3.47	2.18	2.18	2.18
EX17S35_WEIR	25Y-72H	27.42	0.00	0.01	2.29	2.29	2.29

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S01	100Y-1H	261107	261106	0
EX17S01	100Y-24H	647923	647923	0
EX17S01	100Y-8H	436888	436888	0
EX17S01	10Y-1H	169158	169158	0
EX17S01	10Y-24H	408346	408346	0
EX17S01	10Y-8H	314187	314186	0
EX17S01	25Y-72H	669387	669269	118

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S01-OFFSITE	100Y-1H	365660	365659	1
EX17S01-OFFSITE	100Y-24H	992365	992384	-20
EX17S01-OFFSITE	100Y-8H	703734	703738	-4
EX17S01-OFFSITE	10Y-1H	249352	249351	1
EX17S01-OFFSITE	10Y-24H	649621	649647	-27
EX17S01-OFFSITE	10Y-8H	493334	493353	-19
EX17S01-OFFSITE	25Y-72H	1072037	1071612	425

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S04	100Y-1H	51732	51732	0
EX17S04	100Y-24H	217359	217359	0
EX17S04	100Y-8H	118116	118116	0
EX17S04	10Y-1H	35917	35917	0
EX17S04	10Y-24H	159587	159587	0
EX17S04	10Y-8H	88441	88441	0
EX17S04	25Y-72H	248047	248014	33

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S05	100Y-1H	24972	24622	349
EX17S05	100Y-24H	30409	30720	-312
EX17S05	100Y-8H	36347	36671	-324
EX17S05	10Y-1H	16502	16422	80
EX17S05	10Y-24H	16527	16576	-49
EX17S05	10Y-8H	23982	24309	-327

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S05	25Y-72H	41076	41376	-299

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S06	100Y-1H	27777	27869	-92
EX17S06	100Y-24H	56653	56769	-116
EX17S06	100Y-8H	50060	50153	-94
EX17S06	10Y-1H	17746	17840	-94
EX17S06	10Y-24H	32678	32722	-44
EX17S06	10Y-8H	33472	33576	-104
EX17S06	25Y-72H	64111	64131	-20

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S07	100Y-1H	33206	33106	99
EX17S07	100Y-24H	81548	81409	139
EX17S07	100Y-8H	66466	66369	97
EX17S07	10Y-1H	20293	20192	102
EX17S07	10Y-24H	48653	48584	69
EX17S07	10Y-8H	44113	44004	109
EX17S07	25Y-72H	91046	90933	113

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S09	100Y-1H	25984	26342	-358
EX17S09	100Y-24H	23608	23295	313
EX17S09	100Y-8H	36307	36008	299
EX17S09	10Y-1H	16839	16922	-84
EX17S09	10Y-24H	13419	13383	35
EX17S09	10Y-8H	23532	23201	331
EX17S09	25Y-72H	42040	41469	571

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S10	100Y-1H	178627	178624	3
EX17S10	100Y-24H	407711	407732	-21
EX17S10	100Y-8H	346030	346000	29
EX17S10	10Y-1H	109523	109526	-4
EX17S10	10Y-24H	241445	241456	-11
EX17S10	10Y-8H	228477	228482	-5
EX17S10	25Y-72H	463440	463335	104

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S14	100Y-1H	44733	44733	0
EX17S14	100Y-24H	135155	135155	0
EX17S14	100Y-8H	96792	96792	0
EX17S14	10Y-1H	33088	33088	0
EX17S14	10Y-24H	74838	74838	0
EX17S14	10Y-8H	65966	65966	0
EX17S14	25Y-72H	114435	114402	33

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S15	100Y-1H	81693	81685	8
EX17S15	100Y-24H	278842	278845	-3
EX17S15	100Y-8H	167882	167885	-3
EX17S15	10Y-1H	53178	53177	2
EX17S15	10Y-24H	173073	173074	-1
EX17S15	10Y-8H	122245	122249	-4
EX17S15	25Y-72H	262839	262837	2

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S16	100Y-1H	79507	79331	176
EX17S16	100Y-24H	271568	271406	161
EX17S16	100Y-8H	162778	162625	153
EX17S16	10Y-1H	51547	51368	178
EX17S16	10Y-24H	168453	168290	163
EX17S16	10Y-8H	118790	118623	167
EX17S16	25Y-72H	255003	254867	136

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S17	100Y-1H	48268	48268	0
EX17S17	100Y-24H	170713	170713	0
EX17S17	100Y-8H	109506	109506	0
EX17S17	10Y-1H	35112	35112	0
EX17S17	10Y-24H	112389	112390	0
EX17S17	10Y-8H	78257	78257	0
EX17S17	25Y-72H	158341	158308	33

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S18	100Y-1H	82666	82575	92
EX17S18	100Y-24H	158548	158185	364
EX17S18	100Y-8H	135407	135366	41
EX17S18	10Y-1H	47758	47705	53
EX17S18	10Y-24H	79039	79222	-183
EX17S18	10Y-8H	89312	89267	45
EX17S18	25Y-72H	132348	132170	178

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S19	100Y-1H	73207	72731	475
EX17S19	100Y-24H	252254	251944	310
EX17S19	100Y-8H	149390	148851	539
EX17S19	10Y-1H	47085	46604	482
EX17S19	10Y-24H	155773	155619	155
EX17S19	10Y-8H	109465	109026	439
EX17S19	25Y-72H	234164	233820	344

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S20	100Y-1H	69947	69524	423
EX17S20	100Y-24H	237695	236759	936
EX17S20	100Y-8H	139744	139342	401
EX17S20	10Y-1H	45223	44778	445
EX17S20	10Y-24H	148023	146583	1440
EX17S20	10Y-8H	103657	103096	561

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S20	25Y-72H	218407	217100	1307

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S21	100Y-1H	75100	74969	131
EX17S21	100Y-24H	137468	137657	-189
EX17S21	100Y-8H	119780	119596	183
EX17S21	10Y-1H	42804	42639	165
EX17S21	10Y-24H	67340	66842	498
EX17S21	10Y-8H	78851	78654	197
EX17S21	25Y-72H	115878	115822	56

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S22	100Y-1H	53069	52925	144
EX17S22	100Y-24H	183364	183495	-131
EX17S22	100Y-8H	103081	102824	256
EX17S22	10Y-1H	34623	34482	141
EX17S22	10Y-24H	113348	114113	-765
EX17S22	10Y-8H	79045	78926	118
EX17S22	25Y-72H	159045	159459	-414

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S23	100Y-1H	39997	39824	173
EX17S23	100Y-24H	132256	132195	61
EX17S23	100Y-8H	70409	70404	5
EX17S23	10Y-1H	27435	27292	143
EX17S23	10Y-24H	83658	83314	344
EX17S23	10Y-8H	58375	58306	69
EX17S23	25Y-72H	103355	103401	-46

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S24	100Y-1H	29771	29682	89
EX17S24	100Y-24H	103627	103611	16
EX17S24	100Y-8H	51366	51332	34
EX17S24	10Y-1H	20405	20321	84
EX17S24	10Y-24H	64953	64948	5
EX17S24	10Y-8H	44160	44135	25
EX17S24	25Y-72H	73977	73973	4

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S25	100Y-1H	133345	133345	0
EX17S25	100Y-24H	389751	389752	-1
EX17S25	100Y-8H	271876	271880	-4
EX17S25	10Y-1H	84765	84771	-5
EX17S25	10Y-24H	248196	248196	0
EX17S25	10Y-8H	183864	183866	-2
EX17S25	25Y-72H	424299	424293	5

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S26	100Y-1H	123848	123811	37
EX17S26	100Y-24H	342191	342174	18
EX17S26	100Y-8H	259996	259840	157
EX17S26	10Y-1H	76386	76321	65
EX17S26	10Y-24H	218787	218772	15
EX17S26	10Y-8H	165951	165862	89
EX17S26	25Y-72H	411685	411655	30

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S27	100Y-1H	134957	134941	16
EX17S27	100Y-24H	347740	347741	-2
EX17S27	100Y-8H	266863	266991	-127
EX17S27	10Y-1H	84780	84788	-8
EX17S27	10Y-24H	225855	225856	-1
EX17S27	10Y-8H	170128	170192	-64
EX17S27	25Y-72H	440787	440764	22

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S29	100Y-1H	34750	34750	0
EX17S29	100Y-24H	159420	159420	0
EX17S29	100Y-8H	81683	81683	0
EX17S29	10Y-1H	26492	26492	0
EX17S29	10Y-24H	113531	113530	0
EX17S29	10Y-8H	61440	61440	0
EX17S29	25Y-72H	144859	144825	33

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S30	100Y-1H	51100	51105	-6
EX17S30	100Y-24H	58819	58818	1
EX17S30	100Y-8H	88275	88276	-1
EX17S30	10Y-1H	25014	25015	-1
EX17S30	10Y-24H	44795	44794	1
EX17S30	10Y-8H	42269	42268	0
EX17S30	25Y-72H	126278	126281	-3

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S31	100Y-1H	81961	81951	10
EX17S31	100Y-24H	134551	134553	-2
EX17S31	100Y-8H	162000	162002	-2
EX17S31	10Y-1H	42558	42557	1
EX17S31	10Y-24H	75953	75954	0
EX17S31	10Y-8H	86551	86554	-2
EX17S31	25Y-72H	202138	202133	5

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S32	100Y-1H	83562	83560	3
EX17S32	100Y-24H	132590	132589	1
EX17S32	100Y-8H	167218	167215	3
EX17S32	10Y-1H	43188	43186	2
EX17S32	10Y-24H	67293	67293	0
EX17S32	10Y-8H	88556	88554	3

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S32	25Y-72H	186394	186391	2

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S34	100Y-1H	45412	45412	0
EX17S34	100Y-24H	163836	163836	0
EX17S34	100Y-8H	92620	92620	0
EX17S34	10Y-1H	36381	36381	0
EX17S34	10Y-24H	87473	87473	0
EX17S34	10Y-8H	69855	69855	0
EX17S34	25Y-72H	134444	134410	33

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S35	100Y-1H	49191	49191	0
EX17S35	100Y-24H	111	111	0
EX17S35	100Y-8H	96586	96577	9
EX17S35	10Y-1H	14066	14067	-1
EX17S35	10Y-24H	112	112	0
EX17S35	10Y-8H	33917	33927	-10
EX17S35	25Y-72H	85853	85817	35

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-1	100Y-1H	245516	0	245516
GWT-1	100Y-24H	647923	1	647921
GWT-1	100Y-8H	436446	2	436444
GWT-1	10Y-1H	166267	0	166267
GWT-1	10Y-24H	408346	2	408344
GWT-1	10Y-8H	314186	3	314184
GWT-1	25Y-72H	648743	1	648742

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-10	100Y-1H	164021	0	164021
GWT-10	100Y-24H	399544	9	399535
GWT-10	100Y-8H	325286	15	325271
GWT-10	10Y-1H	100968	0	100968
GWT-10	10Y-24H	238601	15	238586
GWT-10	10Y-8H	215769	28	215741
GWT-10	25Y-72H	443331	8	443323

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-14	100Y-1H	44733	0	44733
GWT-14	100Y-24H	135155	2	135153
GWT-14	100Y-8H	96792	5	96787
GWT-14	10Y-1H	33088	0	33088
GWT-14	10Y-24H	74838	4	74834
GWT-14	10Y-8H	65966	6	65960
GWT-14	25Y-72H	114402	2	114400

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-17	100Y-1H	48268	0	48268
GWT-17	100Y-24H	170713	1	170712
GWT-17	100Y-8H	109506	2	109504
GWT-17	10Y-1H	35112	0	35112
GWT-17	10Y-24H	112390	2	112388
GWT-17	10Y-8H	78257	4	78254
GWT-17	25Y-72H	158308	1	158307

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-27	100Y-1H	35424	0	35424
GWT-27	100Y-24H	179134	1	179133
GWT-27	100Y-8H	84124	1	84123
GWT-27	10Y-1H	27066	0	27066
GWT-27	10Y-24H	142411	1	142410
GWT-27	10Y-8H	64968	1	64967
GWT-27	25Y-72H	265281	1	265280

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-29	100Y-1H	34750	0	34750
GWT-29	100Y-24H	159420	0	159419
GWT-29	100Y-8H	81683	1	81682
GWT-29	10Y-1H	26492	0	26492
GWT-29	10Y-24H	113530	1	113530
GWT-29	10Y-8H	61440	1	61439
GWT-29	25Y-72H	144825	0	144825

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-34	100Y-1H	45412	0	45412
GWT-34	100Y-24H	163836	2	163833
GWT-34	100Y-8H	92620	5	92615
GWT-34	10Y-1H	36381	0	36381
GWT-34	10Y-24H	87473	3	87470
GWT-34	10Y-8H	69855	6	69850
GWT-34	25Y-72H	134410	2	134409

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-4	100Y-1H	51732	0	51732
GWT-4	100Y-24H	217359	1	217357
GWT-4	100Y-8H	118116	2	118114
GWT-4	10Y-1H	35917	0	35917
GWT-4	10Y-24H	159587	2	159585
GWT-4	10Y-8H	88441	4	88437
GWT-4	25Y-72H	248014	1	248013

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-7	100Y-1H	33032	0	33032
GWT-7	100Y-24H	81406	2	81403
GWT-7	100Y-8H	65669	3	65666
GWT-7	10Y-1H	20190	0	20190
GWT-7	10Y-24H	48580	3	48576
GWT-7	10Y-8H	43579	5	43574

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-7	25Y-72H	89644	2	89642

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
NLC	100Y-1H	414851	32	414819
NLC	100Y-24H	992495	123	992373
NLC	100Y-8H	800315	80	800235
NLC	10Y-1H	263417	20	263397
NLC	10Y-24H	649759	124	649635
NLC	10Y-8H	527280	95	527185
NLC	25Y-72H	1157429	82	1157348

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 17E1	100Y-1H	171578	169779	1799
POND 17E1	100Y-24H	403146	401391	1755
POND 17E1	100Y-8H	343022	341219	1803
POND 17E1	10Y-1H	104624	102861	1763
POND 17E1	10Y-24H	237579	235860	1719
POND 17E1	10Y-8H	224615	222835	1781
POND 17E1	25Y-72H	451900	450144	1756

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 17E2	100Y-1H	155121	154946	175
POND 17E2	100Y-24H	329830	329674	156
POND 17E2	100Y-8H	289098	288921	178
POND 17E2	10Y-1H	92723	92547	175
POND 17E2	10Y-24H	177661	177507	155
POND 17E2	10Y-8H	184646	184476	171
POND 17E2	25Y-72H	322006	321812	194

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 17E3	100Y-1H	9247	9151	96
POND 17E3	100Y-24H	25775	25681	94
POND 17E3	100Y-8H	18818	18722	96
POND 17E3	10Y-1H	6110	6014	96
POND 17E3	10Y-24H	16688	16592	96
POND 17E3	10Y-8H	12969	12873	96
POND 17E3	25Y-72H	29173	29078	95

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 17E4	100Y-1H	61639	61488	151
POND 17E4	100Y-24H	135574	135354	219
POND 17E4	100Y-8H	98638	98439	199
POND 17E4	10Y-1H	41080	40862	218
POND 17E4	10Y-24H	75082	74867	216
POND 17E4	10Y-8H	66912	66696	216
POND 17E4	25Y-72H	120666	120502	164

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 17E5	100Y-1H	136045	135941	104
POND 17E5	100Y-24H	274526	274381	145
POND 17E5	100Y-8H	238319	238222	97
POND 17E5	10Y-1H	80733	80632	101
POND 17E5	10Y-24H	167995	167992	3
POND 17E5	10Y-8H	146395	146318	77
POND 17E5	25Y-72H	302768	302672	96

Node Mass Balance Condensed [System 17 - Pre Dev]

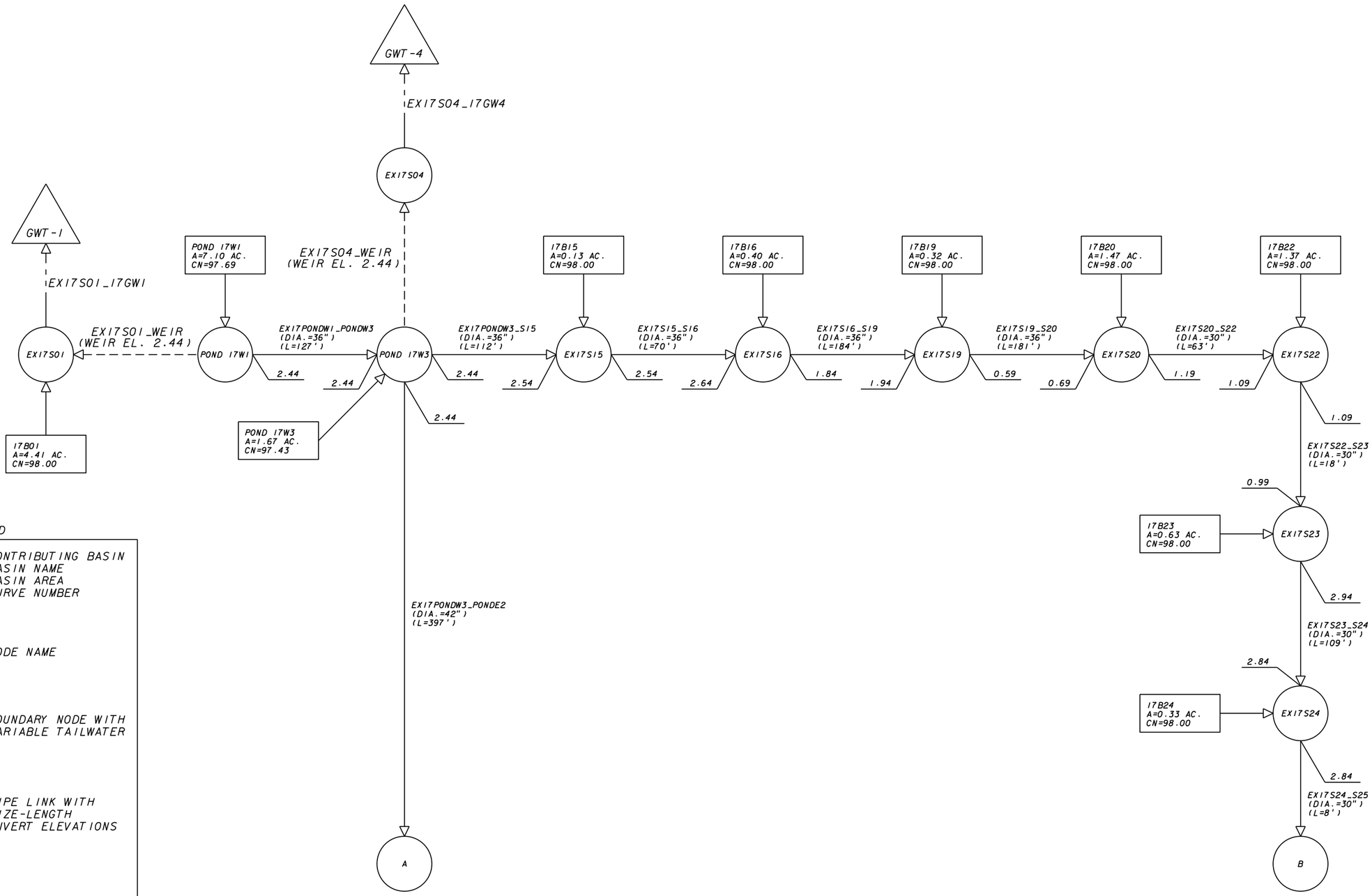
Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 17E6	100Y-1H	94729	94588	142
POND 17E6	100Y-24H	163975	163833	141
POND 17E6	100Y-8H	189277	189135	142
POND 17E6	10Y-1H	50571	50429	142
POND 17E6	10Y-24H	87610	87470	141
POND 17E6	10Y-8H	103828	103686	142
POND 17E6	25Y-72H	220355	220214	142

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 17W1	100Y-1H	193661	192299	1363
POND 17W1	100Y-24H	440284	438953	1330
POND 17W1	100Y-8H	323567	322214	1353
POND 17W1	10Y-1H	118002	116662	1340
POND 17W1	10Y-24H	271884	270573	1311
POND 17W1	10Y-8H	223413	222069	1345
POND 17W1	25Y-72H	473128	471789	1339

Node Mass Balance Condensed [System 17 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 17W3	100Y-1H	122957	122850	107
POND 17W3	100Y-24H	363021	362900	121
POND 17W3	100Y-8H	261660	261550	111
POND 17W3	10Y-1H	75572	75450	122
POND 17W3	10Y-24H	226896	226771	125
POND 17W3	10Y-8H	175419	175306	113
POND 17W3	25Y-72H	383681	383578	103



LEGEND

17B05 A=0.08 AC. CN=80.13	CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER
EX17S04	NODE NAME
GWT-4	BOUNDARY NODE WITH VARIABLE TAILWATER
EX17S20_S22 (DIA.=24") (L=121') 2.44 2.44	PIPE LINK WITH SIZE-LENGTH INVERT ELEVATIONS
EX17S01_17GW1	RATING CURVE LINK
EX17S01_WEIR (EL. 3.20)	WEIR LINK WITH WEIR ELEVATION

SYSTEM 17

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JUAN C. GARCIA, P.E.
P.E. No.: 46597
AECOM TECHNICAL SERVICES, INC.
7650 CORPORATE CENTER DRIVE, SUITE 400
MIAMI, FL 33126-1220
CERTIFICATE OF AUTHORIZATION: 8115

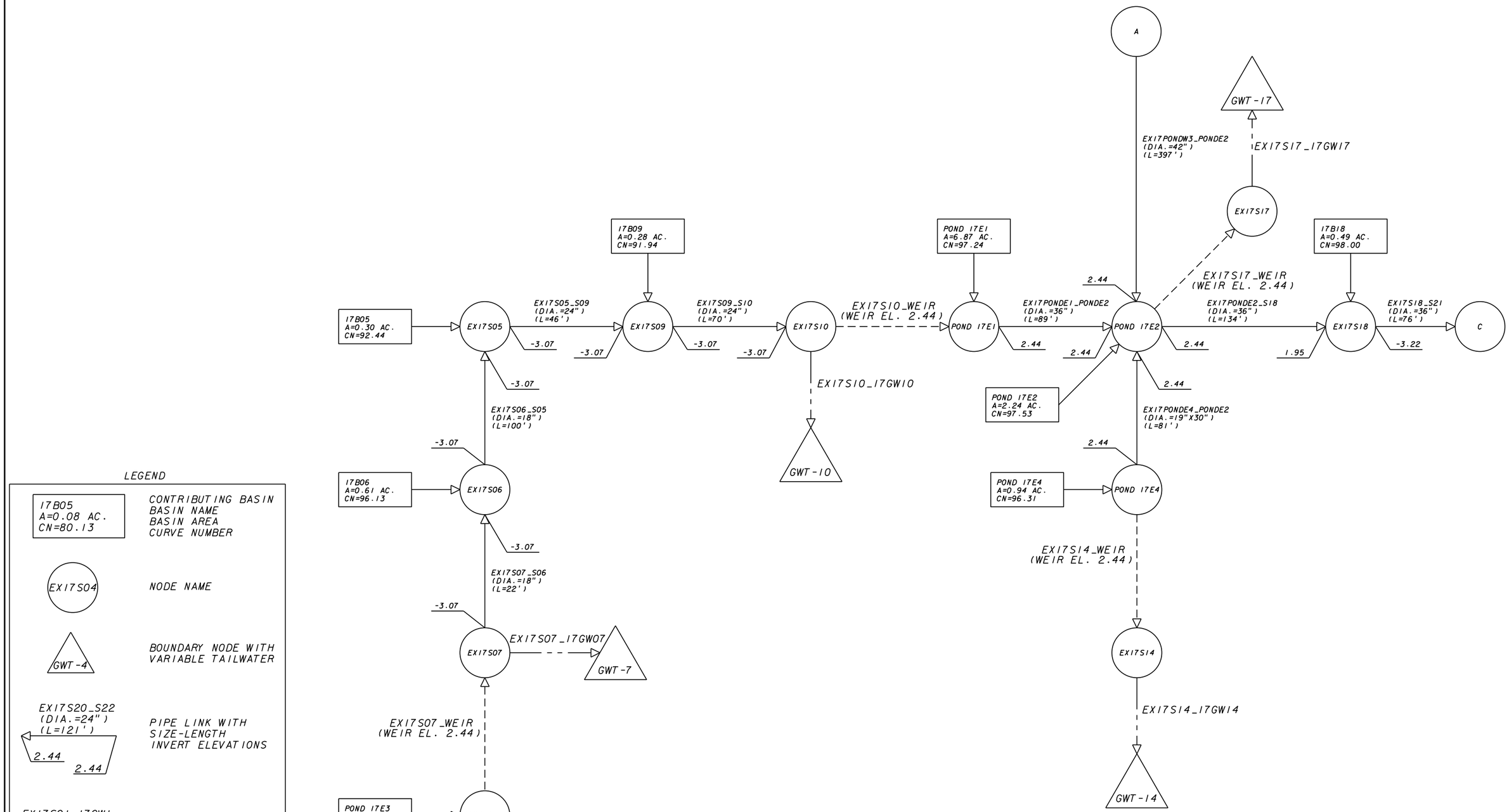
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR-9	MIAMI-DADE	428358-5-32-03

NODE-LINK DIAGRAM (1 OF 3)
(POST-DEV. CONDITIONS)

SHEET NO.

$USER$ $DATE$ $TIME$ $FILE$



LEGEND

17B05 A=0.08 AC. CN=80.13	CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER
EX17S04	NODE NAME
GWT-4	BOUNDARY NODE WITH VARIABLE TAILWATER
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EX17S01_17GW1	RATING CURVE LINK
EX17S01_WEIR (EL. 3.20)	WEIR LINK WITH WEIR ELEVATION

SYSTEM 17

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JUAN C. GARCIA, P.E.
P.E. No.: 46597
AECOM TECHNICAL SERVICES, INC.
7650 CORPORATE CENTER DRIVE, SUITE 400
MIAMI, FL 33126-1220
CERTIFICATE OF AUTHORIZATION: 8115

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR-9	MIAMI-DADE	428358-5-32-03

NODE-LINK DIAGRAM (2 OF 3)
(POST-DEV. CONDITIONS)

SHEET NO.

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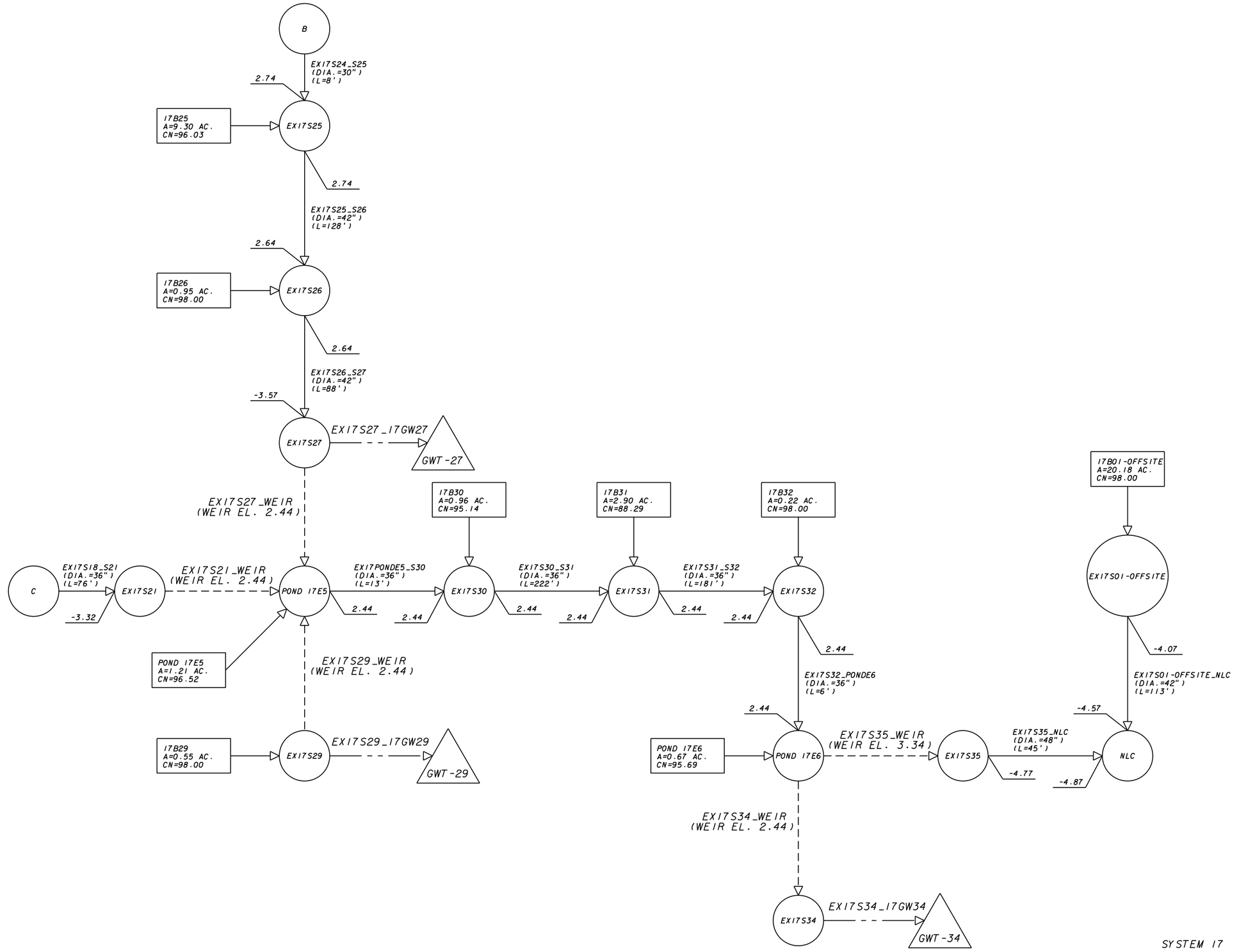


REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JUAN C. GARCIA, P.E.
P.E. No.: 46597
AECOM TECHNICAL SERVICES, INC.
7650 CORPORATE CENTER DRIVE, SUITE 400
MIAMI, FL 33126-1220
CERTIFICATE OF AUTHORIZATION: 8115

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR-9	MIAMI-DADE	428358-5-32-03

NODE-LINK DIAGRAM (3 OF 3)
(POST-DEV. CONDITIONS)

SHEET NO.

$USER$ $DATE$ $TIME$ $FILE$

Manual Basin: 17B01

Scenario: System 17 - Post Dev
Node: EX17S01
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
4.4100	17B01	17B01			

Comment:

Manual Basin: 17B01-OFFSITE

Scenario: System 17 - Post Dev
Node: EX17S01-OFFSITE
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
20.1800	17B01-OFFSITE	17B01-OFFSITE			

Comment:

Manual Basin: 17B05

Scenario: System 17 - Post Dev
Node: EX17S05
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.3000	17B05	17B05			

Comment:

Manual Basin: 17B06

Scenario: System 17 - Post Dev
Node: EX17S06
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.6100	17B06	17B06			

Comment:

Manual Basin: 17B09

Scenario: System 17 - Post Dev
Node: EX17S09
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.2800	17B09	17B09			

Comment:

Manual Basin: 17B15

Scenario: System 17 - Post Dev
Node: EX17S15
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs

Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.1300	17B15	17B15			

Comment:

Manual Basin: 17B16

Scenario: System 17 - Post Dev
Node: EX17S16
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.4000	17B16	17B16			

Comment:

Manual Basin: 17B18

Scenario: System 17 - Post Dev
Node: EX17S18
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.4900	17B18	17B18			

Comment:

Manual Basin: 17B19

Scenario: System 17 - Post Dev
Node: EX17S19
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.3200	17B19	17B19			

Comment:

Manual Basin: 17B20

Scenario: System 17 - Post Dev
Node: EX17S20
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
1.4700	17B20	17B20			

Comment:

Manual Basin: 17B22

Scenario: System 17 - Post Dev
Node: EX17S22
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
1.3700	17B22	17B22			

Comment:

Manual Basin: 17B23

Scenario: System 17 - Post Dev
Node: EX17S23
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.6300	17B23	17B23			

Comment:

Manual Basin: 17B24

Scenario: System 17 - Post Dev
Node: EX17S24
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.3300	17B24	17B24			

Comment:

Manual Basin: 17B25

Scenario: System 17 - Post Dev
Node: EX17S25
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr

Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
9.3000	17B25	17B25			

Comment:

Manual Basin: 17B26

Scenario: System 17 - Post Dev
Node: EX17S26
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.9500	17B26	17B26			

Comment:

Manual Basin: 17B29

Scenario: System 17 - Post Dev
Node: EX17S29
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.5500	17B29	17B29			

Comment:

Manual Basin: 17B30

Scenario: System 17 - Post Dev

Node: EX17S30
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.9600	17B30	17B30			

Comment:

Manual Basin: 17B31

Scenario: System 17 - Post Dev
Node: EX17S31
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
2.9000	17B31	17B31			

Comment:

Manual Basin: 17B32

Scenario: System 17 - Post Dev
Node: EX17S32
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.2200	17B32	17B32			

Comment:

Manual Basin: POND 17E1

Scenario: System 17 - Post Dev
Node: POND 17E1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
6.8700	POND 17E1	POND 17E1			

Comment:

Manual Basin: POND 17E2

Scenario: System 17 - Post Dev
Node: POND 17E2
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
2.2400	POND 17E2	POND 17E2			

Comment:

Manual Basin: POND 17E3

Scenario: System 17 - Post Dev
Node: POND 17E3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.5500	POND 17E3	POND 17E3			

Comment:

Manual Basin: POND 17E4

Scenario: System 17 - Post Dev
Node: POND 17E4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.9400	POND 17E4	POND 17E4			

Comment:

Manual Basin: POND 17E5

Scenario: System 17 - Post Dev
Node: POND 17E5
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
1.2100	POND 17E5	POND 17E5			

Comment:

Manual Basin: POND 17E6

Scenario: System 17 - Post Dev
Node: POND 17E6
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs

Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.6700	POND 17E6	POND 17E6			

Comment:

Manual Basin: POND 17W1

Scenario: System 17 - Post Dev
Node: POND 17W1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
7.1000	POND 17W1	POND 17W1			

Comment:

Manual Basin: POND 17W3

Scenario: System 17 - Post Dev
Node: POND 17W3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
1.6700	POND 17W3	POND 17W3			

Comment:

Node: EX17S01

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.22 ft

Stage [ft]	Area [ac]	Area [ft2]
-8.07	0.0201	876
1.93	0.0201	876
1.94	0.0006	26
2.68	0.0006	26
2.69	0.0060	261

Comment:

Node: EX17S01-OFFSITE

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.07	0.0006	26
5.43	0.0006	26

Comment:

Node: EX17S04

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.65 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.07	0.0019	83
1.93	0.0019	83
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX17S05

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.68 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.07	0.0003	13
4.68	0.0003	13
4.69	0.0030	131

Comment:

Node: EX17S06

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 3.94 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.07	0.0003	13
3.94	0.0003	13
3.95	0.0030	131

Comment:

Node: EX17S07

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.07	0.0014	61
1.93	0.0014	61
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX17S09

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.07	0.0003	13
4.46	0.0003	13
4.47	0.0030	131

Comment:

Node: EX17S10

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.07	0.0174	758
1.93	0.0174	758
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX17S14

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.07	0.0019	83
1.93	0.0019	83
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX17S15

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.54 ft
Warning Stage: 15.04 ft

Stage [ft]	Area [ac]	Area [ft2]
0.53	0.0006	26
15.04	0.0006	26
15.05	0.0060	261

Comment:

Node: EX17S16

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.84 ft
Warning Stage: 13.04 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.17	0.0003	13
13.04	0.0003	13

Comment:

Node: EX17S17

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 13.81 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.07	0.0019	83
1.93	0.0019	83
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX17S18

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.83 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.22	0.0006	26
6.83	0.0006	26

Comment:

Node: EX17S19

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 8.08 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.42	0.0006	26
8.08	0.0006	26
8.09	0.0060	261

Comment:

Node: EX17S20

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.36 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.82	0.0006	26
6.36	0.0006	26
6.37	0.0060	261

Comment:

Node: EX17S21

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.75	0.0006	26
4.00	0.0006	26
4.01	0.0060	261

Comment:

Node: EX17S22

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.24 ft

Stage [ft]	Area [ac]	Area [ft2]
-0.92	0.0006	26
6.24	0.0006	26
6.25	0.0060	261

Comment:

Node: EX17S23

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 10.09 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.02	0.0003	13
10.09	0.0003	13
10.10	0.0030	131

Comment:

Node: EX17S24

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.84 ft
Warning Stage: 10.05 ft

Stage [ft]	Area [ac]	Area [ft2]
0.83	0.0004	17
10.05	0.0004	17
10.06	0.0040	174

Comment:

Node: EX17S25

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.74 ft
Warning Stage: 23.23 ft

Stage [ft]	Area [ac]	Area [ft2]
2.74	0.0001	4
16.23	0.0003	13
23.23	0.0003	13
23.24	0.0030	131

Comment:

Node: EX17S26

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.64 ft
Warning Stage: 11.05 ft

Stage [ft]	Area [ac]	Area [ft2]
0.63	0.0005	22
11.05	0.0005	22
11.06	0.0050	218

Comment:

Node: EX17S27

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0058	253
1.93	0.0058	253
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX17S29

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.07	0.0012	52
1.93	0.0012	52
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX17S30

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.44 ft
Warning Stage: 10.62 ft

Stage [ft]	Area [ac]	Area [ft2]
0.43	0.0003	13
10.62	0.0003	13
10.63	0.0030	131

Comment:

Node: EX17S31

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.44 ft
Warning Stage: 17.37 ft

Stage [ft]	Area [ac]	Area [ft2]
0.43	0.0003	13
17.37	0.0003	13
17.38	0.0030	131

Comment:

Node: EX17S32

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.44 ft
Warning Stage: 22.66 ft

Stage [ft]	Area [ac]	Area [ft2]
0.43	0.0003	13
22.66	0.0003	13
22.67	0.0030	131

Comment:

Node: EX17S34

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.07	0.0019	83
1.93	0.0019	83
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX17S35

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.77	0.0005	22
3.33	0.0005	22
3.34	0.0050	218

Comment:

Node: GWT-1

Scenario: System 17 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-10

Scenario: System 17 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-10

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43

Year	Month	Day	Hour	Stage [ft]
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-14

Scenario: System 17 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-14

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-17

Scenario: System 17 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-17

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-27

Scenario: System 17 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-27

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-29

Scenario: System 17 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-29

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-34

Scenario: System 17 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-34

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-4

Scenario: System 17 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-4

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-7

Scenario: System 17 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-7

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43

Year	Month	Day	Hour	Stage [ft]
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: NLC

Scenario: System 17 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: NLC

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: POND 17E1

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	3.5930	156511
3.33	3.7360	162740
5.43	4.0880	178073

Comment:

Node: POND 17E2

Scenario: System 17 - Post Dev
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 13.81 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.4790	20865
3.33	0.5590	24350
5.43	0.7500	32670

Comment:

Node: POND 17E3

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.2200	9583
3.33	0.2500	10890
5.43	0.3400	14810

Comment:

Node: POND 17E4

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.4700	20473
3.33	0.5400	23522
5.43	0.7000	30492

Comment:

Node: POND 17E5

Scenario: System 17 - Post Dev
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.2400	10454
3.33	0.3400	14810
5.43	0.5900	25700

Comment:

Node: POND 17E6

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.3200	13939
3.33	0.3900	16988
5.43	0.5600	24394

Comment:

Node: POND 17W1

Scenario: System 17 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.22 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	2.8170	122709
3.33	2.8820	125540
5.43	3.0330	132117

Comment:

Node: POND 17W3

Scenario: System 17 - Post Dev
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 4.65 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.3790	16509
3.33	0.4490	19558
5.43	0.5890	25657

Comment:

Pipe Link: EX17PONDE1_PONDE2		Upstream		Downstream	
Scenario:	System 17 - Post Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 17E1	Geometry: Circular		Geometry: Circular	
To Node:	POND 17E2	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	89.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX17PONDE2_S18		Upstream		Downstream	
Scenario:	System 17 - Post Dev	Invert:	2.44 ft	Invert:	1.95 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 17E2	Geometry: Circular		Geometry: Circular	
To Node:	EX17S18	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	134.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX17PONDE4_PONDE2		Upstream		Downstream	
Scenario:	System 17 - Post Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 17E4	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
To Node:	POND 17E2	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Link Count:	2	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	81.00 ft	Ref Node:		Ref Node:	
FHWA Code:	30	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX17PONDE5_S30		Upstream		Downstream	
Scenario:	System 17 - Post Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 17E5	Geometry: Circular		Geometry: Circular	
To Node:	EX17S30	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	13.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX17PONDW1_PONDW3		Upstream		Downstream	
Scenario:	System 17 - Post Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 17W1	Geometry: Circular		Geometry: Circular	
To Node:	POND 17W3	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	127.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			

Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX17PONDW3_PONDE2		Upstream		Downstream	
Scenario:	System 17 - Post Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 17W3	Geometry: Circular		Geometry: Circular	
To Node:	POND 17E2	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	397.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX17PONDW3_S15		Upstream		Downstream	
Scenario:	System 17 - Post Dev	Invert:	2.44 ft	Invert:	2.54 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 17W3	Geometry: Circular		Geometry: Circular	
To Node:	EX17S15	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	112.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX17S01-OFFSITE_NLC		Upstream		Downstream	
Scenario:	System 17 - Post	Invert:	-4.07 ft	Invert:	-4.57 ft

	Dev	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S01-OFFSITE	Geometry: Circular		Geometry: Circular	
To Node:	NLC	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	113.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX17S01_17GW1

Scenario: System 17 - Post Dev
From Node: EX17S01
To Node: GWT-1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX17S01	1.43	EX17S01	1.43	EX17S01

Comment:

Weir Link: EX17S01_WEIR

Scenario:	System 17 - Post Dev	Bottom Clip	
From Node:	POND 17W1	Default:	0.00 ft
To Node:	EX17S01	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.44 ft	Discharge Coefficients	
Control Elevation:	2.44 ft	Weir Default:	3.200
Max Depth:	5.33 ft	Weir Table:	
Max Width:	4.83 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Rating Curve Link: EX17S04_17GW4

Scenario: System 17 - Post Dev
From Node: EX17S04
To Node: GWT-4
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX17S04	1.43	EX17S04	1.43	EX17S04

Comment:

Weir Link: EX17S04_WEIR

Scenario: System 17 - Post Dev
From Node: POND 17W3
To Node: EX17S04
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 2.44 ft
Control Elevation: 2.44 ft
Max Depth: 5.33 ft
Max Width: 4.83 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: EX17S05_S09

Scenario: System 17 - Post Dev
From Node: EX17S05
To Node: EX17S09
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 46.00 ft
FHWA Code: 1
Entr Loss Coef: 0.50
Exit Loss Coef: 0.10
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream
Invert: -3.07 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 24.00 ft
Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Downstream
Invert: -3.07 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 24.00 ft
Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: EX17S06_S05		Upstream		Downstream	
Scenario:	System 17 - Post Dev	Invert:	-3.07 ft	Invert:	-3.07 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S06	Geometry: Circular		Geometry: Circular	
To Node:	EX17S05	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	100.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Rating Curve Link: EX17S07_17GW07	
Scenario:	System 17 - Post Dev
From Node:	EX17S07
To Node:	GWT-7
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX17S07	1.43	EX17S07	1.43	EX17S07

Comment:

Pipe Link: EX17S07_S06		Upstream		Downstream	
Scenario:	System 17 - Post Dev	Invert:	-3.07 ft	Invert:	-3.07 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S07	Geometry: Circular		Geometry: Circular	
To Node:	EX17S06	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	22.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: EX17S07_WEIR

Scenario:	System 17 - Post Dev
From Node:	POND 17E3
To Node:	EX17S07
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.44 ft
Control Elevation:	2.44 ft
Max Depth:	5.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: EX17S09_S10

Scenario:	System 17 - Post Dev
From Node:	EX17S09
To Node:	EX17S10
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	70.00 ft
FHWA Code:	1
Entr Loss Coef:	0.50
Exit Loss Coef:	0.10
Bend Loss Coef:	0.00
Bend Location:	0.00 ft
Energy Switch:	Energy

Upstream	
Invert:	-3.07 ft
Manning's N:	0.0120
Geometry: Circular	
Max Depth:	2.00 ft
Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Downstream	
Invert:	-3.07 ft
Manning's N:	0.0120
Geometry: Circular	
Max Depth:	2.00 ft
Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Comment:

Rating Curve Link: EX17S10_17GW10

Scenario:	System 17 - Post Dev
From Node:	EX17S10
To Node:	GWT-10
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX17S10	1.43	EX17S10	1.43	EX17S10

Comment:

Weir Link: EX17S10_WEIR

Scenario:	System 17 - Post Dev
From Node:	EX17S10
To Node:	POND 17E1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.44 ft
Control Elevation:	2.44 ft
Max Depth:	5.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Rating Curve Link: EX17S14_17GW14

Scenario:	System 17 - Post Dev
From Node:	EX17S14
To Node:	GWT-14
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX17S14	1.43	EX17S14	1.43	EX17S14

Comment:

Weir Link: EX17S14_WEIR

Scenario:	System 17 - Post Dev
From Node:	POND 17E4
To Node:	EX17S14
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.44 ft
Control Elevation:	2.44 ft
Max Depth:	5.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: EX17S15_S16		Upstream		Downstream	
Scenario:	System 17 - Post Dev	Invert:	2.54 ft	Invert:	2.64 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S15	Geometry: Circular		Geometry: Circular	
To Node:	EX17S16	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	70.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX17S16_S19		Upstream		Downstream	
Scenario:	System 17 - Post Dev	Invert:	1.84 ft	Invert:	1.94 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S16	Geometry: Circular		Geometry: Circular	
To Node:	EX17S19	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	184.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Rating Curve Link: EX17S17_17GW17

Scenario: System 17 - Post Dev
From Node: EX17S17
To Node: GWT-17
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX17S17	1.43	EX17S17	1.43	EX17S17

Comment:

Weir Link: EX17S17_WEIR			
Scenario:	System 17 - Post Dev	Bottom Clip	
From Node:	POND 17E2	Default:	0.00 ft
To Node:	EX17S17	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.44 ft	Discharge Coefficients	
Control Elevation:	2.44 ft	Weir Default:	3.200
Max Depth:	5.33 ft	Weir Table:	
Max Width:	4.83 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Pipe Link: EX17S18_S21		Upstream		Downstream	
Scenario:	System 17 - Post Dev	Invert:	-3.22 ft	Invert:	-3.32 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S18	Geometry: Circular		Geometry: Circular	
To Node:	EX17S21	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	76.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX17S19_S20		Upstream		Downstream	
Scenario:	System 17 - Post Dev	Invert:	0.59 ft	Invert:	0.69 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S19	Geometry: Circular		Geometry: Circular	
To Node:	EX17S20	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	181.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft

Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX17S20_S22		Upstream		Downstream	
Scenario:	System 17 - Post Dev	Invert:	1.19 ft	Invert:	1.09 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S20	Geometry: Circular		Geometry: Circular	
To Node:	EX17S22	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	63.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: EX17S21_WEIR			
Scenario:	System 17 - Post Dev	Bottom Clip	
From Node:	EX17S21	Default:	0.00 ft
To Node:	POND 17E5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.44 ft	Discharge Coefficients	
Control Elevation:	2.44 ft	Weir Default:	3.200
Max Depth:	5.33 ft	Weir Table:	
Max Width:	4.83 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Pipe Link: EX17S22_S23		Upstream		Downstream	
Scenario:	System 17 - Post Dev	Invert:	1.09 ft	Invert:	0.99 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S22	Geometry: Circular		Geometry: Circular	

To Node:	EX17S23	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	18.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX17S23_S24		Upstream		Downstream	
Scenario:	System 17 - Post Dev	Invert:	2.94 ft	Invert:	2.84 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S23	Geometry: Circular		Geometry: Circular	
To Node:	EX17S24	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	109.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX17S24_S25		Upstream		Downstream	
Scenario:	System 17 - Post Dev	Invert:	2.84 ft	Invert:	2.74 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S24	Geometry: Circular		Geometry: Circular	
To Node:	EX17S25	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	8.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX17S25_S26		Upstream		Downstream	
Scenario:	System 17 - Post Dev	Invert:	2.74 ft	Invert:	2.64 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S25	Geometry: Circular		Geometry: Circular	
To Node:	EX17S26	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	128.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX17S26_S27		Upstream		Downstream	
Scenario:	System 17 - Post Dev	Invert:	2.64 ft	Invert:	-3.57 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S26	Geometry: Circular		Geometry: Circular	
To Node:	EX17S27	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	88.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX17S27_17GW27	
Scenario:	System 17 - Post Dev
From Node:	EX17S27
To Node:	GWT-27
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX17S27	1.43	EX17S27	1.43	EX17S27

Comment:

Weir Link: EX17S27_WEIR

Scenario:	System 17 - Post Dev	**Bottom Clip**	
From Node:	EX17S27	Default:	0.00 ft
To Node:	POND 17E5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.44 ft	**Discharge Coefficients**	
Control Elevation:	2.44 ft	Weir Default:	3.200
Max Depth:	5.33 ft	Weir Table:	
Max Width:	4.83 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Rating Curve Link: EX17S29_17GW29

Scenario:	System 17 - Post Dev
From Node:	EX17S29
To Node:	GWT-29
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX17S29	1.43	EX17S29	1.43	EX17S29

Comment:

Weir Link: EX17S29_WEIR

Scenario:	System 17 - Post Dev	**Bottom Clip**	
From Node:	EX17S29	Default:	0.00 ft
To Node:	POND 17E5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.44 ft	**Discharge Coefficients**	

Control Elevation:	2.44 ft		
Max Depth:	5.33 ft	Weir Default:	3.200
Max Width:	4.83 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Pipe Link: EX17S30_S31		Upstream		Downstream	
Scenario:	System 17 - Post Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S30	Geometry: Circular		Geometry: Circular	
To Node:	EX17S31	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	222.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX17S31_S32		Upstream		Downstream	
Scenario:	System 17 - Post Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S31	Geometry: Circular		Geometry: Circular	
To Node:	EX17S32	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	181.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX17S32_PONDE6	Upstream	Downstream

Scenario:	System 17 - Post Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S32	Geometry: Circular		Geometry: Circular	
To Node:	POND 17E6	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	6.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX17S34_17GW34

Scenario: System 17 - Post Dev
From Node: EX17S34
To Node: GWT-34
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX17S34	1.43	EX17S34	1.43	EX17S34

Comment:

Weir Link: EX17S34_WEIR

Scenario:	System 17 - Post Dev	Bottom Clip	
From Node:	POND 17E6	Default:	0.00 ft
To Node:	EX17S34	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.44 ft	Discharge Coefficients	
Control Elevation:	2.44 ft	Weir Default:	3.200
Max Depth:	5.33 ft	Weir Table:	
Max Width:	4.83 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: EX17S35_NLC		Upstream		Downstream	
Scenario:	System 17 - Post Dev	Invert:	-4.77 ft	Invert:	-4.87 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX17S35	Geometry: Circular		Geometry: Circular	
To Node:	NLC	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	45.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: EX17S35_WEIR			
Scenario:	System 17 - Post Dev	Bottom Clip	
From Node:	POND 17E6	Default:	0.00 ft
To Node:	EX17S35	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.34 ft	Discharge Coefficients	
Control Elevation:	3.34 ft	Weir Default:	3.200
Max Depth:	8.75 ft	Weir Table:	
Max Width:	3.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Simulation: 100Y-1H	
Scenario:	System 17 - Post Dev
Run Date/Time:	7/30/2019 2:13:18 PM
Program Version:	ICPR4 4.03.02.00

General				
Run Mode:	Normal			
	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	3.0000	1.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	25.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 1-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 17 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 17 - Post Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight 0.5 dec

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False

Fact:			
dZ Tolerance:	0.0010 ft	Manual Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	5.10 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100Y-24H

Scenario: System 17 - Post Dev
Run Date/Time: 7/30/2019 2:14:15 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	26.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	48.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 24-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 17 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 17 - Post Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False

Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 13.44 in
Storm Duration: 24.0000 hr

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 100Y-8H

Scenario: System 17 - Post Dev
Run Date/Time: 7/30/2019 2:15:44 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	10.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	32.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:

Lookup Tables

Boundary Stage Set: 8-Hour
Extern Hydrograph Set:

Unit Hydrograph Folder:		Curve Number Set:	Basin 17 - Post Dev
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	Basin 17 - Post Dev
		Roughness Set:	
		Crop Coef Set:	
		Fillable Porosity Set:	
		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Manual Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	9.60 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-1H

Scenario:	System 17 - Post Dev
Run Date/Time:	7/30/2019 2:16:25 PM
Program Version:	ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	3.0000	1.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	25.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 1-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 17 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 17 - Post Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 3.55 in

Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-24H

Scenario: System 17 - Post Dev
Run Date/Time: 7/30/2019 2:17:32 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	26.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	48.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 24-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 17 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 17 - Post Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 8.88 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 10Y-8H

Scenario: System 17 - Post Dev
Run Date/Time: 7/30/2019 2:19:02 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	10.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	32.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 8-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 17 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 17 - Post Dev

Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Manual Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	6.80 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25Y-72H

Scenario:	System 17 - Post Dev
Run Date/Time:	7/30/2019 2:19:50 PM
Program Version:	ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	48.0000	15.0000
0	0	0	56.0000	5.0000
0	0	0	64.0000	1.0000
0	0	0	72.0000	5.0000
0	0	0	74.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	48.0000	15.0000
0	0	0	56.0000	5.0000
0	0	0	64.0000	1.0000
0	0	0	72.0000	5.0000
0	0	0	96.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 72-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 17 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 17 - Post Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global

Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	14.50 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Node Max Conditions [System 17 - Post Dev]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX17S01	100Y-1H	5.22	2.90	0.0010	49.23	49.23	876
EX17S01-OFFSITE	100Y-1H	5.43	10.14	0.0010	158.39	158.37	100
EX17S04	100Y-1H	4.65	4.66	0.0013	7.05	7.03	261
EX17S05	100Y-1H	4.68	2.14	0.0026	7.92	32.81	470
EX17S06	100Y-1H	3.94	2.39	0.0010	5.82	5.80	100
EX17S07	100Y-1H	4.46	2.40	0.0010	3.93	3.93	100
EX17S09	100Y-1H	4.46	2.14	0.0026	34.65	9.60	470
EX17S10	100Y-1H	4.46	2.09	0.0007	29.36	29.31	759
EX17S14	100Y-1H	5.43	4.18	0.0010	6.18	6.16	261
EX17S15	100Y-1H	15.04	5.87	0.0010	40.43	40.43	299
EX17S16	100Y-1H	13.04	6.37	0.0010	39.42	39.42	384
EX17S17	100Y-1H	13.81	4.45	0.0010	6.67	6.64	261
EX17S18	100Y-1H	6.83	5.27	0.0006	31.12	31.11	229
EX17S19	100Y-1H	8.08	7.08	0.0010	36.30	36.29	519
EX17S20	100Y-1H	6.36	7.69	0.0014	33.87	33.79	375
EX17S21	100Y-1H	5.43	5.54	0.0010	28.31	28.37	264
EX17S22	100Y-1H	6.24	8.04	0.0013	22.52	22.33	263
EX17S23	100Y-1H	10.09	8.10	0.0010	12.07	11.85	153
EX17S24	100Y-1H	10.05	8.14	0.0010	7.75	7.39	276
EX17S25	100Y-1H	23.23	8.15	0.0010	70.76	70.73	239
EX17S26	100Y-1H	11.05	7.23	0.0017	74.01	74.01	345
EX17S27	100Y-1H	5.43	5.66	0.0022	74.01	73.57	312
EX17S29	100Y-1H	5.43	5.59	0.0014	5.58	5.48	261
EX17S30	100Y-1H	10.62	5.58	0.0005	14.33	14.41	366
EX17S31	100Y-1H	17.37	5.49	0.0005	27.46	27.45	617
EX17S32	100Y-1H	22.66	5.06	0.0004	28.80	28.80	293
EX17S34	100Y-1H	5.43	3.80	0.0010	6.24	6.21	261
EX17S35	100Y-1H	5.43	1.53	0.0010	24.32	24.32	100
GWT-1	100Y-1H	99.00	1.43	0.0000	49.23	0.00	0
GWT-10	100Y-1H	99.00	1.43	0.0000	29.31	0.00	0
GWT-14	100Y-1H	99.00	1.43	0.0000	6.16	0.00	0
GWT-17	100Y-1H	99.00	1.43	0.0000	6.64	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
GWT-27	100Y-1H	99.00	1.43	0.0000	25.95	0.00	0
GWT-29	100Y-1H	99.00	1.43	0.0000	5.48	0.00	0
GWT-34	100Y-1H	99.00	1.43	0.0000	6.21	0.00	0
GWT-4	100Y-1H	99.00	1.43	0.0000	7.03	0.00	0
GWT-7	100Y-1H	99.00	1.43	0.0000	2.61	0.00	0
NLC	100Y-1H	99.00	1.43	0.0000	158.37	0.09	0
POND 17E1	100Y-1H	4.46	2.99	0.0001	56.47	26.21	160488
POND 17E2	100Y-1H	13.81	4.46	0.0003	59.89	44.44	29808
POND 17E3	100Y-1H	4.46	2.59	0.0000	4.16	3.93	9821
POND 17E4	100Y-1H	5.43	4.19	0.0003	28.01	12.09	26385
POND 17E5	100Y-1H	5.43	5.59	0.0005	64.46	40.05	25701
POND 17E6	100Y-1H	5.43	3.81	0.0003	32.94	30.53	18693
POND 17W1	100Y-1H	5.22	3.17	0.0001	64.75	38.06	125228
POND 17W3	100Y-1H	4.65	4.67	0.0003	53.39	36.36	24440
EX17S01	100Y-24H	5.22	2.62	0.0009	17.47	17.46	876
EX17S01-OFFSITE	100Y-24H	5.43	2.43	0.0010	27.29	27.29	100
EX17S04	100Y-24H	4.65	3.48	0.0006	4.08	4.08	261
EX17S05	100Y-24H	4.68	2.53	0.0012	6.26	9.17	482
EX17S06	100Y-24H	3.94	2.53	0.0010	0.82	0.89	100
EX17S07	100Y-24H	4.46	2.53	0.0010	0.90	0.81	262
EX17S09	100Y-24H	4.46	2.53	0.0012	9.54	6.61	481
EX17S10	100Y-24H	4.46	2.53	0.0010	10.30	10.11	759
EX17S14	100Y-24H	5.43	2.81	0.0005	2.36	2.36	261
EX17S15	100Y-24H	15.04	3.85	0.0004	8.96	8.96	296
EX17S16	100Y-24H	13.04	4.00	0.0007	8.79	8.79	383
EX17S17	100Y-24H	13.81	3.03	0.0006	3.02	3.02	261
EX17S18	100Y-24H	6.83	3.09	0.0006	2.81	1.73	217
EX17S19	100Y-24H	8.08	4.06	0.0007	8.25	8.25	519
EX17S20	100Y-24H	6.36	4.09	0.0010	7.82	7.82	375
EX17S21	100Y-24H	5.43	3.09	0.0010	1.61	2.17	100
EX17S22	100Y-24H	6.24	4.11	0.0017	5.87	5.84	127
EX17S23	100Y-24H	10.09	4.12	0.0010	3.97	4.02	150
EX17S24	100Y-24H	10.05	4.16	0.0002	3.13	3.12	185

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX17S25	100Y-24H	23.23	4.17	0.0003	12.55	12.56	235
EX17S26	100Y-24H	11.05	3.99	0.0003	11.16	11.16	327
EX17S27	100Y-24H	5.43	3.09	0.0010	11.98	11.97	312
EX17S29	100Y-24H	5.43	3.09	0.0006	2.57	2.55	261
EX17S30	100Y-24H	10.62	3.18	0.0001	2.92	2.92	319
EX17S31	100Y-24H	17.37	3.24	0.0001	3.82	3.81	543
EX17S32	100Y-24H	22.66	3.10	0.0001	2.51	2.51	250
EX17S34	100Y-24H	5.43	2.75	0.0009	2.76	2.75	261
EX17S35	100Y-24H	5.43	2.43	0.0002	0.00	0.00	100
GWT-1	100Y-24H	99.00	2.43	0.0002	17.46	0.18	0
GWT-10	100Y-24H	99.00	2.43	0.0002	10.11	0.37	0
GWT-14	100Y-24H	99.00	2.43	0.0002	2.36	0.10	0
GWT-17	100Y-24H	99.00	2.43	0.0002	3.02	0.06	0
GWT-27	100Y-24H	99.00	2.43	0.0002	11.97	0.07	0
GWT-29	100Y-24H	99.00	2.43	0.0002	2.55	0.01	0
GWT-34	100Y-24H	99.00	2.43	0.0002	2.75	0.16	0
GWT-4	100Y-24H	99.00	2.43	0.0002	4.08	0.07	0
GWT-7	100Y-24H	99.00	2.43	0.0002	0.81	0.03	0
NLC	100Y-24H	99.00	2.43	0.0002	27.29	0.10	0
POND 17E1	100Y-24H	4.46	2.70	0.0000	10.27	8.77	158490
POND 17E2	100Y-24H	13.81	3.04	0.0001	7.99	6.81	24233
POND 17E3	100Y-24H	4.46	2.53	0.0000	0.74	0.74	9735
POND 17E4	100Y-24H	5.43	2.82	0.0001	3.74	2.36	21989
POND 17E5	100Y-24H	5.43	3.09	0.0001	4.69	5.23	13680
POND 17E6	100Y-24H	5.43	2.75	0.0001	3.41	2.76	15035
POND 17W1	100Y-24H	5.22	2.76	0.0000	13.06	11.74	123915
POND 17W3	100Y-24H	4.65	3.49	0.0001	11.22	10.87	20970
EX17S01	100Y-8H	5.22	3.32	0.0010	32.43	32.40	876
EX17S01-OFFSITE	100Y-8H	5.43	4.46	0.0010	81.91	81.90	100
EX17S04	100Y-8H	4.65	4.36	0.0010	5.84	5.83	261
EX17S05	100Y-8H	4.68	2.99	0.0017	6.58	18.84	494
EX17S06	100Y-8H	3.94	2.99	0.0010	2.47	2.49	100
EX17S07	100Y-8H	4.46	2.99	0.0010	1.81	1.75	262

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX17S09	100Y-8H	4.46	2.99	0.0017	19.78	6.92	494
EX17S10	100Y-8H	4.46	2.99	0.0010	22.01	21.91	759
EX17S14	100Y-8H	5.43	4.20	0.0009	5.38	5.36	261
EX17S15	100Y-8H	15.04	4.81	0.0006	23.18	23.18	299
EX17S16	100Y-8H	13.04	5.04	0.0007	22.66	22.66	384
EX17S17	100Y-8H	13.81	4.22	0.0008	5.46	5.45	261
EX17S18	100Y-8H	6.83	4.52	0.0010	18.11	18.09	229
EX17S19	100Y-8H	8.08	5.28	0.0007	21.03	21.03	519
EX17S20	100Y-8H	6.36	5.49	0.0010	19.74	19.73	375
EX17S21	100Y-8H	5.43	4.60	0.0012	16.17	16.14	264
EX17S22	100Y-8H	6.24	5.63	0.0016	13.78	13.77	127
EX17S23	100Y-8H	10.09	5.66	0.0010	8.22	8.22	150
EX17S24	100Y-8H	10.05	5.69	0.0006	5.69	5.66	230
EX17S25	100Y-8H	23.23	5.70	0.0006	37.60	37.63	239
EX17S26	100Y-8H	11.05	5.40	0.0005	37.14	37.14	336
EX17S27	100Y-8H	5.43	4.66	0.0009	37.14	37.11	312
EX17S29	100Y-8H	5.43	4.63	0.0005	4.28	4.26	261
EX17S30	100Y-8H	10.62	4.63	0.0002	6.30	6.43	366
EX17S31	100Y-8H	17.37	4.60	0.0002	16.22	16.20	617
EX17S32	100Y-8H	22.66	4.32	0.0002	17.06	17.06	293
EX17S34	100Y-8H	5.43	3.67	0.0008	4.78	4.73	261
EX17S35	100Y-8H	5.43	2.43	0.0011	14.65	14.65	100
GWT-1	100Y-8H	99.00	2.43	0.0002	32.40	0.27	0
GWT-10	100Y-8H	99.00	2.43	0.0002	21.91	0.52	0
GWT-14	100Y-8H	99.00	2.43	0.0002	5.36	0.20	0
GWT-17	100Y-8H	99.00	2.43	0.0002	5.45	0.08	0
GWT-27	100Y-8H	99.00	2.43	0.0002	20.14	0.11	0
GWT-29	100Y-8H	99.00	2.43	0.0002	4.26	0.02	0
GWT-34	100Y-8H	99.00	2.43	0.0002	4.73	0.32	0
GWT-4	100Y-8H	99.00	2.43	0.0002	5.83	0.09	0
GWT-7	100Y-8H	99.00	2.43	0.0002	1.75	0.04	0
NLC	100Y-8H	99.00	2.43	0.0002	95.84	0.14	0
POND 17E1	100Y-8H	4.46	3.09	0.0000	36.65	20.06	161192

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND 17E2	100Y-8H	13.81	4.23	0.0002	37.14	30.54	28945
POND 17E3	100Y-8H	4.46	2.99	0.0001	2.22	1.78	10401
POND 17E4	100Y-8H	5.43	4.21	0.0002	20.71	5.97	26440
POND 17E5	100Y-8H	5.43	4.63	0.0003	22.57	20.51	21571
POND 17E6	100Y-8H	5.43	3.68	0.0002	19.70	19.28	18218
POND 17W1	100Y-8H	5.22	3.39	0.0001	40.01	22.25	125922
POND 17W3	100Y-8H	4.65	4.37	0.0002	29.95	27.17	23621
EX17S01	10Y-1H	5.22	1.86	0.0001	35.47	35.47	876
EX17S01-OFFSITE	10Y-1H	5.43	5.54	0.0010	108.87	108.86	100
EX17S04	10Y-1H	4.65	4.14	0.0012	6.14	6.12	261
EX17S05	10Y-1H	4.68	1.78	0.0016	5.50	18.74	458
EX17S06	10Y-1H	3.94	1.90	0.0010	3.69	3.69	100
EX17S07	10Y-1H	4.46	1.90	0.0010	2.59	2.64	100
EX17S09	10Y-1H	4.46	1.78	0.0016	19.85	6.39	458
EX17S10	10Y-1H	4.46	1.74	0.0007	16.97	16.91	759
EX17S14	10Y-1H	5.43	3.44	0.0010	4.85	4.84	261
EX17S15	10Y-1H	15.04	5.16	0.0010	28.86	28.86	299
EX17S16	10Y-1H	13.04	5.44	0.0010	28.17	28.16	384
EX17S17	10Y-1H	13.81	3.82	0.0010	5.54	5.52	261
EX17S18	10Y-1H	6.83	4.48	0.0008	18.53	18.52	229
EX17S19	10Y-1H	8.08	5.80	0.0010	26.02	26.01	519
EX17S20	10Y-1H	6.36	6.12	0.0017	24.30	24.29	375
EX17S21	10Y-1H	5.43	4.57	0.0015	16.50	16.51	264
EX17S22	10Y-1H	6.24	6.31	0.0015	16.43	16.38	263
EX17S23	10Y-1H	10.09	6.35	0.0010	9.08	9.04	151
EX17S24	10Y-1H	10.05	6.38	0.0010	5.81	5.69	272
EX17S25	10Y-1H	23.23	6.38	0.0010	47.82	47.82	239
EX17S26	10Y-1H	11.05	5.98	0.0010	49.07	49.07	345
EX17S27	10Y-1H	5.43	4.63	0.0013	49.07	48.72	312
EX17S29	10Y-1H	5.43	4.59	0.0012	4.71	4.64	261
EX17S30	10Y-1H	10.62	4.60	0.0004	7.88	7.57	366
EX17S31	10Y-1H	17.37	4.56	0.0004	15.67	15.65	617
EX17S32	10Y-1H	22.66	4.29	0.0003	16.58	16.58	293

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX17S34	10Y-1H	5.43	3.55	0.0010	5.91	5.88	261
EX17S35	10Y-1H	5.43	1.44	0.0010	8.02	8.04	100
GWT-1	10Y-1H	99.00	1.43	0.0000	35.47	0.00	0
GWT-10	10Y-1H	99.00	1.43	0.0000	16.91	0.00	0
GWT-14	10Y-1H	99.00	1.43	0.0000	4.84	0.00	0
GWT-17	10Y-1H	99.00	1.43	0.0000	5.52	0.00	0
GWT-27	10Y-1H	99.00	1.43	0.0000	21.84	0.00	0
GWT-29	10Y-1H	99.00	1.43	0.0000	4.64	0.00	0
GWT-34	10Y-1H	99.00	1.43	0.0000	5.88	0.00	0
GWT-4	10Y-1H	99.00	1.43	0.0000	6.12	0.00	0
GWT-7	10Y-1H	99.00	1.43	0.0000	1.98	0.00	0
NLC	10Y-1H	99.00	1.43	0.0000	108.86	0.06	0
POND 17E1	10Y-1H	4.46	2.81	0.0000	37.33	14.78	159280
POND 17E2	10Y-1H	13.81	3.83	0.0003	36.96	24.89	27526
POND 17E3	10Y-1H	4.46	2.56	0.0000	2.80	2.59	9767
POND 17E4	10Y-1H	5.43	3.45	0.0002	14.99	6.46	24127
POND 17E5	10Y-1H	5.43	4.60	0.0005	40.89	21.92	21404
POND 17E6	10Y-1H	5.43	3.56	0.0002	19.36	13.90	17825
POND 17W1	10Y-1H	5.22	2.92	0.0001	42.94	21.38	124420
POND 17W3	10Y-1H	4.65	4.16	0.0003	37.74	24.83	22999
EX17S01	10Y-24H	5.22	2.54	0.0010	10.96	10.95	876
EX17S01-OFFSITE	10Y-24H	5.43	2.43	0.0010	18.01	18.01	100
EX17S04	10Y-24H	4.65	3.21	0.0007	3.48	3.48	261
EX17S05	10Y-24H	4.68	2.48	0.0010	3.90	7.57	480
EX17S06	10Y-24H	3.94	2.49	0.0010	0.54	0.72	100
EX17S07	10Y-24H	4.46	2.48	0.0010	0.58	0.50	262
EX17S09	10Y-24H	4.46	2.48	0.0010	7.80	4.00	480
EX17S10	10Y-24H	4.46	2.48	0.0010	6.64	6.25	759
EX17S14	10Y-24H	5.43	2.56	0.0007	1.18	1.18	261
EX17S15	10Y-24H	15.04	3.62	0.0004	6.03	6.03	285
EX17S16	10Y-24H	13.04	3.74	0.0006	5.92	5.91	383
EX17S17	10Y-24H	13.81	2.70	0.0009	2.29	2.29	261
EX17S18	10Y-24H	6.83	2.72	0.0007	0.63	1.37	192

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX17S19	10Y-24H	8.08	3.78	0.0006	5.60	5.56	519
EX17S20	10Y-24H	6.36	3.79	0.0010	5.50	5.31	375
EX17S21	10Y-24H	5.43	2.72	0.0010	1.37	0.94	100
EX17S22	10Y-24H	6.24	3.80	0.0017	4.88	4.20	127
EX17S23	10Y-24H	10.09	3.81	0.0010	2.74	3.67	144
EX17S24	10Y-24H	10.05	3.86	0.0002	2.18	2.18	178
EX17S25	10Y-24H	23.23	3.87	0.0004	8.26	8.26	224
EX17S26	10Y-24H	11.05	3.71	0.0002	7.23	7.23	322
EX17S27	10Y-24H	5.43	2.71	0.0010	8.50	8.49	312
EX17S29	10Y-24H	5.43	2.71	0.0006	1.82	1.81	261
EX17S30	10Y-24H	10.62	3.02	0.0001	1.91	1.91	294
EX17S31	10Y-24H	17.37	3.09	0.0001	2.45	2.45	504
EX17S32	10Y-24H	22.66	2.96	0.0001	1.59	1.59	231
EX17S34	10Y-24H	5.43	2.60	0.0005	2.08	2.07	261
EX17S35	10Y-24H	5.43	2.43	0.0002	0.00	0.00	100
GWT-1	10Y-24H	99.00	2.43	0.0002	10.95	0.29	0
GWT-10	10Y-24H	99.00	2.43	0.0002	6.25	0.55	0
GWT-14	10Y-24H	99.00	2.43	0.0002	1.18	0.15	0
GWT-17	10Y-24H	99.00	2.43	0.0002	2.29	0.09	0
GWT-27	10Y-24H	99.00	2.43	0.0002	8.49	0.11	0
GWT-29	10Y-24H	99.00	2.43	0.0002	1.81	0.02	0
GWT-34	10Y-24H	99.00	2.43	0.0002	2.07	0.23	0
GWT-4	10Y-24H	99.00	2.43	0.0002	3.48	0.09	0
GWT-7	10Y-24H	99.00	2.43	0.0002	0.50	0.04	0
NLC	10Y-24H	99.00	2.43	0.0002	18.01	0.12	0
POND 17E1	10Y-24H	4.46	2.63	0.0000	6.29	5.30	157950
POND 17E2	10Y-24H	13.81	2.71	0.0001	3.89	3.24	22802
POND 17E3	10Y-24H	4.46	2.49	0.0000	0.49	0.49	9666
POND 17E4	10Y-24H	5.43	2.56	0.0001	1.25	1.18	21035
POND 17E5	10Y-24H	5.43	2.71	0.0001	3.52	3.43	11844
POND 17E6	10Y-24H	5.43	2.60	0.0001	2.18	2.08	14531
POND 17W1	10Y-24H	5.22	2.67	0.0000	8.18	7.19	123607
POND 17W3	10Y-24H	4.65	3.22	0.0001	7.52	7.03	20050

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX17S01	10Y-8H	5.22	2.99	0.0010	24.00	23.95	876
EX17S01-OFFSITE	10Y-8H	5.43	3.30	0.0010	57.94	57.94	100
EX17S04	10Y-8H	4.65	4.00	0.0010	4.97	4.96	261
EX17S05	10Y-8H	4.68	2.76	0.0013	6.14	15.69	488
EX17S06	10Y-8H	3.94	2.76	0.0010	1.92	1.90	100
EX17S07	10Y-8H	4.46	2.76	0.0010	1.43	1.41	262
EX17S09	10Y-8H	4.46	2.76	0.0013	16.42	6.74	488
EX17S10	10Y-8H	4.46	2.75	0.0009	15.36	15.23	759
EX17S14	10Y-8H	5.43	3.62	0.0007	3.91	3.89	261
EX17S15	10Y-8H	15.04	4.45	0.0005	17.46	17.45	299
EX17S16	10Y-8H	13.04	4.65	0.0008	17.08	17.08	384
EX17S17	10Y-8H	13.81	3.69	0.0009	4.19	4.18	261
EX17S18	10Y-8H	6.83	3.99	0.0008	10.95	10.94	229
EX17S19	10Y-8H	8.08	4.77	0.0009	15.94	15.93	519
EX17S20	10Y-8H	6.36	4.90	0.0010	15.02	15.02	375
EX17S21	10Y-8H	5.43	4.02	0.0014	9.60	9.59	264
EX17S22	10Y-8H	6.24	4.98	0.0015	10.81	10.80	127
EX17S23	10Y-8H	10.09	5.00	0.0010	6.88	6.88	150
EX17S24	10Y-8H	10.05	5.03	0.0006	5.07	5.07	222
EX17S25	10Y-8H	23.23	5.04	0.0006	26.51	26.53	239
EX17S26	10Y-8H	11.05	4.80	0.0006	25.13	25.13	332
EX17S27	10Y-8H	5.43	4.05	0.0010	25.13	25.10	312
EX17S29	10Y-8H	5.43	4.03	0.0005	3.48	3.45	261
EX17S30	10Y-8H	10.62	4.04	0.0002	4.78	4.72	366
EX17S31	10Y-8H	17.37	4.03	0.0002	9.22	9.20	617
EX17S32	10Y-8H	22.66	3.81	0.0002	9.81	9.81	293
EX17S34	10Y-8H	5.43	3.50	0.0010	4.26	4.23	261
EX17S35	10Y-8H	5.43	2.43	0.0012	5.46	5.71	100
GWT-1	10Y-8H	99.00	2.43	0.0002	23.95	0.39	0
GWT-10	10Y-8H	99.00	2.43	0.0002	15.23	0.73	0
GWT-14	10Y-8H	99.00	2.43	0.0002	3.89	0.26	0
GWT-17	10Y-8H	99.00	2.43	0.0002	4.18	0.16	0
GWT-27	10Y-8H	99.00	2.43	0.0002	16.30	0.15	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
GWT-29	10Y-8H	99.00	2.43	0.0002	3.45	0.03	0
GWT-34	10Y-8H	99.00	2.43	0.0002	4.23	0.42	0
GWT-4	10Y-8H	99.00	2.43	0.0002	4.96	0.17	0
GWT-7	10Y-8H	99.00	2.43	0.0002	1.21	0.06	0
NLC	10Y-8H	99.00	2.43	0.0002	60.12	0.12	0
POND 17E1	10Y-8H	4.46	2.87	0.0000	24.27	13.71	159650
POND 17E2	10Y-8H	13.81	3.70	0.0001	24.91	21.42	26998
POND 17E3	10Y-8H	4.46	2.76	0.0001	1.57	1.43	10060
POND 17E4	10Y-8H	5.43	3.63	0.0002	14.06	3.91	24683
POND 17E5	10Y-8H	5.43	4.04	0.0002	14.76	11.55	18493
POND 17E6	10Y-8H	5.43	3.51	0.0002	11.65	9.67	17646
POND 17W1	10Y-8H	5.22	3.07	0.0001	27.93	15.80	124899
POND 17W3	10Y-8H	4.65	4.01	0.0001	22.24	20.39	22571
EX17S01	25Y-72H	5.22	3.45	0.0009	33.31	33.29	876
EX17S01-OFFSITE	25Y-72H	5.43	7.99	0.0010	129.38	129.36	100
EX17S04	25Y-72H	4.65	4.58	0.0003	6.33	6.31	261
EX17S05	25Y-72H	4.68	3.02	0.0015	5.97	18.89	495
EX17S06	25Y-72H	3.94	3.02	0.0010	3.91	3.88	100
EX17S07	25Y-72H	4.46	3.02	0.0010	1.93	1.83	262
EX17S09	25Y-72H	4.46	3.02	0.0016	19.99	6.59	495
EX17S10	25Y-72H	4.46	3.01	0.0010	22.10	21.91	759
EX17S14	25Y-72H	5.43	4.27	0.0004	5.48	5.46	261
EX17S15	25Y-72H	15.04	5.49	0.0006	34.34	34.34	299
EX17S16	25Y-72H	13.04	5.85	0.0007	33.52	33.51	384
EX17S17	25Y-72H	13.81	4.36	0.0002	5.76	5.74	261
EX17S18	25Y-72H	6.83	5.07	0.0010	27.76	27.77	229
EX17S19	25Y-72H	8.08	6.37	0.0007	30.96	30.96	519
EX17S20	25Y-72H	6.36	6.81	0.0010	28.97	28.92	375
EX17S21	25Y-72H	5.43	5.28	0.0018	25.24	25.28	264
EX17S22	25Y-72H	6.24	7.08	0.0016	19.67	19.55	263
EX17S23	25Y-72H	10.09	7.14	0.0010	10.98	10.91	150
EX17S24	25Y-72H	10.05	7.18	0.0009	7.04	6.96	167
EX17S25	25Y-72H	23.23	7.19	0.0009	59.54	59.51	239

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX17S26	25Y-72H	11.05	6.56	0.0011	60.90	60.90	328
EX17S27	25Y-72H	5.43	5.37	0.0014	60.90	60.68	312
EX17S29	25Y-72H	5.43	5.32	0.0006	5.26	5.19	261
EX17S30	25Y-72H	10.62	5.32	0.0004	11.26	11.38	366
EX17S31	25Y-72H	17.37	5.26	0.0004	24.87	24.86	617
EX17S32	25Y-72H	22.66	4.89	0.0003	26.06	26.06	293
EX17S34	25Y-72H	5.43	3.79	0.0006	4.75	4.72	261
EX17S35	25Y-72H	5.43	2.43	0.0010	23.14	23.13	100
GWT-1	25Y-72H	99.00	2.43	0.0001	33.29	0.17	0
GWT-10	25Y-72H	99.00	2.43	0.0001	21.91	0.33	0
GWT-14	25Y-72H	99.00	2.43	0.0001	5.46	0.08	0
GWT-17	25Y-72H	99.00	2.43	0.0001	5.74	0.05	0
GWT-27	25Y-72H	99.00	2.43	0.0001	24.65	0.06	0
GWT-29	25Y-72H	99.00	2.43	0.0001	5.19	0.01	0
GWT-34	25Y-72H	99.00	2.43	0.0001	4.72	0.12	0
GWT-4	25Y-72H	99.00	2.43	0.0001	6.31	0.05	0
GWT-7	25Y-72H	99.00	2.43	0.0001	1.81	0.03	0
NLC	25Y-72H	99.00	2.43	0.0001	144.29	0.11	0
POND 17E1	25Y-72H	4.46	3.13	0.0000	51.07	20.62	161470
POND 17E2	25Y-72H	13.81	4.37	0.0002	54.33	40.90	29481
POND 17E3	25Y-72H	4.46	3.03	0.0001	3.84	1.69	10450
POND 17E4	25Y-72H	5.43	4.28	0.0002	26.70	8.81	26666
POND 17E5	25Y-72H	5.43	5.32	0.0004	46.70	34.25	25135
POND 17E6	25Y-72H	5.43	3.80	0.0002	29.85	27.86	18639
POND 17W1	25Y-72H	5.22	3.53	0.0001	58.33	26.10	126342
POND 17W3	25Y-72H	4.65	4.60	0.0002	45.02	34.00	24241

Link Min/Max Conditions [System 17 - Post Dev]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX17PONDE1_PONDE2	100Y-1H	0.09	-12.92	0.00	-2.55	-5.23	-3.89
EX17PONDE2_S18	100Y-1H	8.90	-31.11	0.06	-4.40	-6.99	-5.69
EX17PONDE4_PONDE2	100Y-1H	6.58	-24.91	0.09	-3.94	-5.22	-4.36
EX17PONDE5_S30	100Y-1H	10.56	-9.58	0.06	-3.10	-4.43	-3.71
EX17PONDW1_PONDW3	100Y-1H	0.06	-15.04	0.00	-2.67	-5.47	-4.07
EX17PONDW3_PONDE2	100Y-1H	14.72	-0.65	-0.01	2.37	4.24	3.09
EX17PONDW3_S15	100Y-1H	0.71	-40.43	0.09	-5.72	-7.47	-6.58
EX17S01-OFFSITE_NLC	100Y-1H	158.37	-0.09	2.32	16.46	16.46	16.46
EX17S01_17GW1	100Y-1H	49.23	0.00	-0.01	0.00	0.00	0.00
EX17S01_WEIR	100Y-1H	38.06	0.00	-0.01	2.68	2.68	2.68
EX17S04_17GW4	100Y-1H	7.03	0.00	0.00	0.00	0.00	0.00
EX17S04_WEIR	100Y-1H	7.05	0.00	-0.01	1.30	1.30	1.30
EX17S05_S09	100Y-1H	32.81	-7.31	-32.81	0.48	0.48	0.48
EX17S06_S05	100Y-1H	5.80	-1.03	0.41	3.28	3.28	3.28
EX17S07_17GW07	100Y-1H	2.61	0.00	-0.01	0.00	0.00	0.00
EX17S07_S06	100Y-1H	1.32	-1.13	-0.70	0.75	0.75	0.75
EX17S07_WEIR	100Y-1H	3.93	0.00	0.00	1.26	1.26	1.26
EX17S09_S10	100Y-1H	9.60	-1.32	0.77	3.06	3.06	3.06
EX17S10_17GW10	100Y-1H	29.31	0.00	0.05	0.00	0.00	0.00
EX17S10_WEIR	100Y-1H	0.00	-26.21	0.00	0.00	0.00	0.00
EX17S14_17GW14	100Y-1H	6.16	0.00	0.00	0.00	0.00	0.00
EX17S14_WEIR	100Y-1H	6.18	0.00	0.00	1.20	1.20	1.20
EX17S15_S16	100Y-1H	0.85	-39.42	-0.28	-5.58	-5.58	-5.58
EX17S16_S19	100Y-1H	1.28	-36.29	-0.91	-5.13	-5.13	-5.13
EX17S17_17GW17	100Y-1H	6.64	0.00	0.00	0.00	0.00	0.00
EX17S17_WEIR	100Y-1H	6.67	0.00	0.00	1.23	1.23	1.23
EX17S18_S21	100Y-1H	9.13	-28.37	3.00	-4.01	-4.01	-4.01

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX17S19_S20	100Y-1H	2.26	-33.79	-1.94	-4.78	-4.78	-4.78
EX17S20_S22	100Y-1H	2.47	-22.33	2.11	-4.55	-4.55	-4.55
EX17S21_WEIR	100Y-1H	9.19	-28.31	0.12	-1.10	-1.10	-1.10
EX17S22_S23	100Y-1H	2.70	-11.85	-2.18	-2.41	-2.41	-2.41
EX17S23_S24	100Y-1H	1.75	-7.39	0.75	-2.16	-4.11	-3.12
EX17S24_S25	100Y-1H	1.93	-5.47	0.97	1.90	-2.05	-1.91
EX17S25_S26	100Y-1H	66.57	0.00	-0.04	6.92	6.92	6.92
EX17S26_S27	100Y-1H	74.01	0.00	6.95	7.69	7.69	7.69
EX17S27_17GW27	100Y-1H	25.95	0.00	-0.02	0.00	0.00	0.00
EX17S27_WEIR	100Y-1H	49.68	-13.89	-0.81	1.93	1.93	1.93
EX17S29_17GW29	100Y-1H	5.48	0.00	-0.01	0.00	0.00	0.00
EX17S29_WEIR	100Y-1H	0.00	-3.59	0.01	-1.02	-1.02	-1.02
EX17S30_S31	100Y-1H	14.41	-4.61	0.02	2.05	2.09	2.07
EX17S31_S32	100Y-1H	27.45	-0.98	-0.01	3.88	4.20	4.04
EX17S32_PONDE6	100Y-1H	28.80	-0.88	-0.01	4.40	6.06	5.23
EX17S34_17GW34	100Y-1H	6.21	0.00	-0.01	0.00	0.00	0.00
EX17S34_WEIR	100Y-1H	6.24	0.00	-0.01	1.39	1.39	1.39
EX17S35_NLC	100Y-1H	24.32	0.00	-3.35	1.94	1.94	1.94
EX17S35_WEIR	100Y-1H	24.32	0.00	0.01	2.20	2.20	2.20
EX17PONDE1_PONDE2	100Y-24H	0.07	-1.13	0.00	-1.13	-2.69	-1.91
EX17PONDE2_S18	100Y-24H	0.23	-1.73	0.11	1.13	-1.89	-1.29
EX17PONDE4_PONDE2	100Y-24H	0.00	-2.67	0.00	-1.20	-2.73	-1.97
EX17PONDE5_S30	100Y-24H	0.00	-2.92	0.00	-2.25	-3.43	-2.83
EX17PONDW1_PONDW3	100Y-24H	0.00	-3.50	0.00	-1.59	-3.62	-2.60
EX17PONDW3_PONDE2	100Y-24H	3.31	0.00	0.00	1.37	3.40	2.34
EX17PONDW3_S15	100Y-24H	0.00	-8.96	-0.01	-3.01	-4.48	-3.71
EX17S01-OFFSITE_NLC	100Y-24H	27.29	-0.10	-2.49	2.84	2.84	2.84
EX17S01_17GW1	100Y-24H	17.46	-0.18	-0.12	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX17S01_WEIR	100Y-24H	11.74	0.00	0.00	1.79	1.79	1.79
EX17S04_17GW4	100Y-24H	4.08	-0.07	-0.07	0.00	0.00	0.00
EX17S04_WEIR	100Y-24H	4.08	0.00	0.00	1.15	1.15	1.15
EX17S05_S09	100Y-24H	9.17	-5.08	-9.17	0.12	0.13	0.13
EX17S06_S05	100Y-24H	0.84	-0.17	-0.44	0.47	0.47	0.47
EX17S07_17GW07	100Y-24H	0.81	-0.03	-0.03	0.00	0.00	0.00
EX17S07_S06	100Y-24H	0.14	-0.37	-0.27	-0.21	-0.21	-0.21
EX17S07_WEIR	100Y-24H	0.74	0.00	0.01	0.72	0.72	0.72
EX17S09_S10	100Y-24H	1.71	-0.13	-1.13	0.54	0.54	0.54
EX17S10_17GW10	100Y-24H	10.11	-0.37	-0.37	0.00	0.00	0.00
EX17S10_WEIR	100Y-24H	0.00	-8.77	0.00	-1.21	-1.21	-1.21
EX17S14_17GW14	100Y-24H	2.36	-0.10	-0.10	0.00	0.00	0.00
EX17S14_WEIR	100Y-24H	2.36	0.00	0.00	0.98	0.98	0.98
EX17S15_S16	100Y-24H	0.00	-8.79	0.00	-2.81	-2.95	-2.88
EX17S16_S19	100Y-24H	0.04	-8.25	0.09	-1.55	-1.51	-1.53
EX17S17_17GW17	100Y-24H	3.02	-0.06	-0.06	0.00	0.00	0.00
EX17S17_WEIR	100Y-24H	3.02	0.00	0.00	1.07	1.07	1.07
EX17S18_S21	100Y-24H	1.61	-2.17	1.96	-0.31	-0.31	-0.31
EX17S19_S20	100Y-24H	0.00	-7.82	1.95	-1.11	-1.11	-1.11
EX17S20_S22	100Y-24H	0.00	-5.84	-1.84	-1.19	-1.19	-1.19
EX17S21_WEIR	100Y-24H	1.07	-1.54	0.94	0.36	0.36	0.36
EX17S22_S23	100Y-24H	0.10	-4.02	2.93	-0.82	-0.82	-0.82
EX17S23_S24	100Y-24H	0.00	-3.12	0.03	-1.21	-2.06	-1.42
EX17S24_S25	100Y-24H	0.02	-2.69	-0.02	-0.94	-1.05	-0.99
EX17S25_S26	100Y-24H	9.88	0.00	0.00	2.66	2.87	2.77
EX17S26_S27	100Y-24H	11.16	0.00	0.00	3.25	1.16	2.20
EX17S27_17GW27	100Y-24H	11.97	-0.07	-0.07	0.00	0.00	0.00
EX17S27_WEIR	100Y-24H	0.00	-2.90	0.01	-0.86	-0.86	-0.86
EX17S29_17GW29	100Y-24H	2.55	-0.01	-0.01	0.00	0.00	0.00
EX17S29_WEIR	100Y-24H	0.00	-1.87	0.00	-0.80	-0.80	-0.80
EX17S30_S31	100Y-24H	0.02	-1.64	0.00	-1.09	-1.26	-1.17
EX17S31_S32	100Y-24H	2.21	0.00	0.00	1.45	1.90	1.68
EX17S32_PONDE6	100Y-24H	2.51	0.00	0.00	2.16	3.22	2.69

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX17S34_17GW34	100Y-24H	2.75	-0.16	-0.16	0.00	0.00	0.00
EX17S34_WEIR	100Y-24H	2.76	0.00	0.00	1.09	1.09	1.09
EX17S35_NLC	100Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX17S35_WEIR	100Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX17PONDE1_PONDE2	100Y-8H	0.04	-10.35	0.00	-2.35	-4.89	-3.62
EX17PONDE2_S18	100Y-8H	2.60	-18.09	-0.64	-2.82	-5.43	-3.99
EX17PONDE4_PONDE2	100Y-8H	2.01	-16.91	0.03	-2.68	-4.37	-3.29
EX17PONDE5_S30	100Y-8H	3.57	-5.69	0.15	-2.68	-3.94	-3.27
EX17PONDW1_PONDW3	100Y-8H	0.04	-11.57	0.00	-2.41	-5.06	-3.73
EX17PONDW3_PONDE2	100Y-8H	10.03	0.00	-0.01	2.01	4.00	2.80
EX17PONDW3_S15	100Y-8H	0.00	-23.18	-0.01	-4.04	-5.93	-4.91
EX17S01-OFFSITE_NLC	100Y-8H	81.90	-0.14	-2.47	8.51	8.51	8.51
EX17S01_17GW1	100Y-8H	32.40	-0.27	-0.18	0.00	0.00	0.00
EX17S01_WEIR	100Y-8H	22.25	0.00	0.00	1.86	1.86	1.86
EX17S04_17GW4	100Y-8H	5.83	-0.09	-0.09	0.00	0.00	0.00
EX17S04_WEIR	100Y-8H	5.84	0.00	0.00	1.18	1.18	1.18
EX17S05_S09	100Y-8H	18.84	-5.20	-18.84	0.25	0.25	0.25
EX17S06_S05	100Y-8H	2.39	-0.35	-0.36	1.35	1.35	1.35
EX17S07_17GW07	100Y-8H	1.75	-0.04	-0.04	0.00	0.00	0.00
EX17S07_S06	100Y-8H	0.51	-1.59	-0.46	-0.90	-0.90	-0.90
EX17S07_WEIR	100Y-8H	1.78	0.00	-0.16	0.96	0.96	0.96
EX17S09_S10	100Y-8H	4.10	-0.42	0.93	1.31	1.31	1.31
EX17S10_17GW10	100Y-8H	21.91	-0.52	-0.52	0.00	0.00	0.00
EX17S10_WEIR	100Y-8H	0.00	-20.06	0.10	-1.90	-1.90	-1.90
EX17S14_17GW14	100Y-8H	5.36	-0.20	-0.20	0.00	0.00	0.00
EX17S14_WEIR	100Y-8H	5.38	0.00	0.00	1.06	1.06	1.06
EX17S15_S16	100Y-8H	0.00	-22.66	0.01	-3.73	-3.95	-3.84
EX17S16_S19	100Y-8H	0.03	-21.03	0.09	-2.98	-2.98	-2.98

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX17S17_17GW17	100Y-8H	5.45	-0.08	-0.04	0.00	0.00	0.00
EX17S17_WEIR	100Y-8H	5.46	0.00	0.00	1.12	1.12	1.12
EX17S18_S21	100Y-8H	4.08	-16.14	2.81	-2.28	-2.28	-2.28
EX17S19_S20	100Y-8H	0.00	-19.73	-1.13	-2.79	-2.79	-2.79
EX17S20_S22	100Y-8H	0.00	-13.77	-1.80	-2.81	-2.81	-2.81
EX17S21_WEIR	100Y-8H	3.47	-16.17	-1.44	0.38	0.38	0.38
EX17S22_S23	100Y-8H	0.00	-8.22	2.68	-1.67	-1.67	-1.67
EX17S23_S24	100Y-8H	0.00	-5.66	0.07	-1.29	-2.82	-2.01
EX17S24_S25	100Y-8H	0.02	-4.35	0.05	-1.07	-1.16	-1.11
EX17S25_S26	100Y-8H	33.29	0.00	0.01	3.84	4.08	3.96
EX17S26_S27	100Y-8H	37.14	0.00	0.01	4.56	3.86	4.21
EX17S27_17GW27	100Y-8H	20.14	-0.11	-0.11	0.00	0.00	0.00
EX17S27_WEIR	100Y-8H	17.06	-4.52	-0.01	-0.89	-0.89	-0.89
EX17S29_17GW29	100Y-8H	4.26	-0.02	-0.01	0.00	0.00	0.00
EX17S29_WEIR	100Y-8H	0.00	-2.45	-0.01	-0.89	-0.89	-0.89
EX17S30_S31	100Y-8H	6.43	-3.07	0.02	-1.31	-1.44	-1.38
EX17S31_S32	100Y-8H	16.20	-0.07	0.00	2.97	3.47	3.22
EX17S32_PONDE6	100Y-8H	17.06	-0.05	-0.01	3.66	5.25	4.46
EX17S34_17GW34	100Y-8H	4.73	-0.32	-0.32	0.00	0.00	0.00
EX17S34_WEIR	100Y-8H	4.78	0.00	0.00	1.20	1.20	1.20
EX17S35_NLC	100Y-8H	14.65	-0.01	-3.36	1.17	1.17	1.17
EX17S35_WEIR	100Y-8H	14.65	0.00	0.01	1.86	1.86	1.86
EX17PONDE1_PONDE2	10Y-1H	0.07	-6.40	0.00	-1.99	-4.27	-3.13
EX17PONDE2_S18	10Y-1H	5.17	-18.52	0.54	-2.91	-5.84	-4.38
EX17PONDE4_PONDE2	10Y-1H	1.86	-13.18	0.04	-2.31	-4.39	-3.30
EX17PONDE5_S30	10Y-1H	3.66	-7.57	0.12	-2.90	-4.22	-3.53
EX17PONDW1_PONDW3	10Y-1H	0.06	-9.25	0.00	-2.21	-4.74	-3.47
EX17PONDW3_PONDE2	10Y-1H	9.49	-0.09	0.00	2.04	4.05	2.86
EX17PONDW3_S15	10Y-1H	0.00	-28.86	-0.02	-4.41	-6.51	-5.46

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX17S01-OFFSITE_NLC	10Y-1H	108.86	-0.06	-2.41	11.31	11.31	11.31
EX17S01_17GW1	10Y-1H	35.47	0.00	0.01	0.00	0.00	0.00
EX17S01_WEIR	10Y-1H	21.38	0.00	0.00	2.21	2.21	2.21
EX17S04_17GW4	10Y-1H	6.12	0.00	0.00	0.00	0.00	0.00
EX17S04_WEIR	10Y-1H	6.14	0.00	0.01	1.29	1.29	1.29
EX17S05_S09	10Y-1H	18.74	-2.86	-18.74	0.29	0.29	0.29
EX17S06_S05	10Y-1H	3.69	-0.71	-0.52	2.09	2.09	2.09
EX17S07_17GW07	10Y-1H	1.98	0.00	0.01	0.00	0.00	0.00
EX17S07_S06	10Y-1H	0.66	-0.88	0.72	-0.50	-0.50	-0.50
EX17S07_WEIR	10Y-1H	2.59	0.00	0.00	1.09	1.09	1.09
EX17S09_S10	10Y-1H	6.23	-0.98	0.75	1.98	1.98	1.98
EX17S10_17GW10	10Y-1H	16.91	0.00	0.04	0.00	0.00	0.00
EX17S10_WEIR	10Y-1H	0.00	-14.78	0.00	0.00	0.00	0.00
EX17S14_17GW14	10Y-1H	4.84	0.00	0.00	0.00	0.00	0.00
EX17S14_WEIR	10Y-1H	4.85	0.00	0.00	1.19	1.19	1.19
EX17S15_S16	10Y-1H	0.02	-28.16	-0.01	-4.10	-4.30	-4.20
EX17S16_S19	10Y-1H	0.11	-26.01	-0.32	-3.68	-3.68	-3.68
EX17S17_17GW17	10Y-1H	5.52	0.00	0.00	0.00	0.00	0.00
EX17S17_WEIR	10Y-1H	5.54	0.00	0.00	1.22	1.22	1.22
EX17S18_S21	10Y-1H	5.46	-16.51	-2.77	-2.34	-2.34	-2.34
EX17S19_S20	10Y-1H	0.00	-24.29	-2.08	-3.44	-3.44	-3.44
EX17S20_S22	10Y-1H	0.55	-16.38	-2.60	-3.34	-3.34	-3.34
EX17S21_WEIR	10Y-1H	5.51	-16.50	1.51	0.80	0.80	0.80
EX17S22_S23	10Y-1H	1.24	-9.04	-2.32	-1.84	-1.84	-1.84
EX17S23_S24	10Y-1H	0.48	-5.69	-0.21	-2.06	-3.98	-3.01
EX17S24_S25	10Y-1H	0.59	-4.43	0.21	-1.67	-1.95	-1.81
EX17S25_S26	10Y-1H	43.96	0.00	0.02	4.57	4.64	4.61
EX17S26_S27	10Y-1H	49.07	0.00	0.02	5.18	5.10	5.14
EX17S27_17GW27	10Y-1H	21.84	0.00	-0.02	0.00	0.00	0.00
EX17S27_WEIR	10Y-1H	28.64	-12.70	0.09	-1.75	-1.75	-1.75
EX17S29_17GW29	10Y-1H	4.64	0.00	0.00	0.00	0.00	0.00
EX17S29_WEIR	10Y-1H	0.00	-3.19	0.01	-1.02	-1.02	-1.02

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX17S30_S31	10Y-1H	6.61	-3.56	0.02	1.29	-1.52	-1.31
EX17S31_S32	10Y-1H	15.65	-0.81	-0.01	2.93	3.42	3.17
EX17S32_PONDE6	10Y-1H	16.58	-0.70	-0.01	3.63	5.21	4.42
EX17S34_17GW34	10Y-1H	5.88	0.00	-0.01	0.00	0.00	0.00
EX17S34_WEIR	10Y-1H	5.91	0.00	-0.01	1.37	1.37	1.37
EX17S35_NLC	10Y-1H	8.04	0.00	-3.34	0.64	0.64	0.64
EX17S35_WEIR	10Y-1H	8.02	0.00	0.01	1.52	1.52	1.52
EX17PONDE1_PONDE2	10Y-24H	0.06	-0.22	0.00	-0.68	-1.61	-1.09
EX17PONDE2_S18	10Y-24H	0.31	-0.32	0.03	1.03	-1.23	-0.73
EX17PONDE4_PONDE2	10Y-24H	0.00	-0.50	0.00	-0.66	-1.75	-1.20
EX17PONDE5_S30	10Y-24H	0.00	-1.91	0.00	-1.98	-3.08	-2.53
EX17PONDW1_PONDW3	10Y-24H	0.00	-1.90	0.00	-1.30	-3.08	-2.19
EX17PONDW3_PONDE2	10Y-24H	1.66	0.00	0.00	1.03	2.90	1.97
EX17PONDW3_S15	10Y-24H	0.00	-6.03	-0.01	-2.64	-4.22	-3.43
EX17S01-OFFSITE_NLC	10Y-24H	18.01	-0.12	-2.55	1.87	1.87	1.87
EX17S01_17GW1	10Y-24H	10.95	-0.29	-0.19	0.00	0.00	0.00
EX17S01_WEIR	10Y-24H	7.19	0.00	0.00	1.54	1.54	1.54
EX17S04_17GW4	10Y-24H	3.48	-0.09	-0.07	0.00	0.00	0.00
EX17S04_WEIR	10Y-24H	3.48	0.00	0.00	1.12	1.12	1.12
EX17S05_S09	10Y-24H	7.57	-3.21	-7.57	0.11	0.11	0.11
EX17S06_S05	10Y-24H	0.68	-0.11	-0.39	0.38	0.38	0.38
EX17S07_17GW07	10Y-24H	0.50	-0.04	-0.04	0.00	0.00	0.00
EX17S07_S06	10Y-24H	0.18	-0.21	0.17	-0.12	-0.12	-0.12
EX17S07_WEIR	10Y-24H	0.49	0.00	0.00	0.00	0.00	0.00
EX17S09_S10	10Y-24H	1.44	-0.21	-1.10	0.46	0.46	0.46
EX17S10_17GW10	10Y-24H	6.25	-0.55	-0.55	0.00	0.00	0.00
EX17S10_WEIR	10Y-24H	0.00	-5.30	0.00	0.00	0.00	0.00
EX17S14_17GW14	10Y-24H	1.18	-0.15	-0.15	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX17S14_WEIR	10Y-24H	1.18	0.00	0.00	0.84	0.84	0.84
EX17S15_S16	10Y-24H	0.00	-5.91	0.00	-2.51	-2.59	-2.55
EX17S16_S19	10Y-24H	0.03	-5.56	0.11	-1.23	-1.18	-1.20
EX17S17_17GW17	10Y-24H	2.29	-0.09	-0.07	0.00	0.00	0.00
EX17S17_WEIR	10Y-24H	2.29	0.00	0.00	1.02	1.02	1.02
EX17S18_S21	10Y-24H	1.37	-0.20	1.29	0.19	0.19	0.19
EX17S19_S20	10Y-24H	0.00	-5.31	-2.12	-0.75	-0.75	-0.75
EX17S20_S22	10Y-24H	0.00	-4.20	-2.08	-0.86	-0.86	-0.86
EX17S21_WEIR	10Y-24H	0.94	-0.18	-0.47	0.30	0.30	0.30
EX17S22_S23	10Y-24H	0.24	-3.67	2.85	-0.75	-0.75	-0.75
EX17S23_S24	10Y-24H	0.00	-2.18	0.03	-1.17	-2.14	-1.44
EX17S24_S25	10Y-24H	0.01	-1.88	0.01	-0.88	-1.02	-0.95
EX17S25_S26	10Y-24H	6.38	0.00	0.00	2.37	2.57	2.47
EX17S26_S27	10Y-24H	7.23	0.00	0.00	2.92	0.75	1.83
EX17S27_17GW27	10Y-24H	8.49	-0.11	-0.11	0.00	0.00	0.00
EX17S27_WEIR	10Y-24H	0.00	-2.13	0.00	-0.76	-0.76	-0.76
EX17S29_17GW29	10Y-24H	1.81	-0.02	-0.01	0.00	0.00	0.00
EX17S29_WEIR	10Y-24H	0.00	-1.35	0.00	-0.72	-0.72	-0.72
EX17S30_S31	10Y-24H	0.02	-1.06	0.00	-0.94	-1.10	-1.02
EX17S31_S32	10Y-24H	1.39	0.00	0.00	1.23	1.67	1.45
EX17S32_PONDE6	10Y-24H	1.59	0.00	0.00	1.91	2.89	2.40
EX17S34_17GW34	10Y-24H	2.07	-0.23	-0.23	0.00	0.00	0.00
EX17S34_WEIR	10Y-24H	2.08	0.00	0.00	1.02	1.02	1.02
EX17S35_NLC	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX17S35_WEIR	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX17PONDE1_PONDE2	10Y-8H	0.02	-5.25	0.00	-1.86	-4.04	-2.95
EX17PONDE2_S18	10Y-8H	1.58	-10.94	0.36	-2.15	-4.81	-3.43
EX17PONDE4_PONDE2	10Y-8H	0.73	-12.00	0.03	-2.24	-4.02	-2.98
EX17PONDE5_S30	10Y-8H	0.48	-4.72	0.07	-2.55	-3.82	-3.17
EX17PONDW1_PONDW3	10Y-8H	0.02	-7.79	0.00	-2.08	-4.51	-3.30

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX17PONDW3_PONDE2	10Y-8H	7.65	0.00	0.00	1.86	3.93	2.75
EX17PONDW3_S15	10Y-8H	0.00	-17.45	-0.01	-3.68	-5.55	-4.58
EX17S01-OFFSITE_NLC	10Y-8H	57.94	-0.12	-2.25	6.02	6.02	6.02
EX17S01_17GW1	10Y-8H	23.95	-0.39	-0.25	0.00	0.00	0.00
EX17S01_WEIR	10Y-8H	15.80	0.00	0.00	1.73	1.73	1.73
EX17S04_17GW4	10Y-8H	4.96	-0.17	-0.17	0.00	0.00	0.00
EX17S04_WEIR	10Y-8H	4.97	0.00	0.00	1.16	1.16	1.16
EX17S05_S09	10Y-8H	15.69	-4.68	-15.69	0.21	0.21	0.21
EX17S06_S05	10Y-8H	1.90	-0.34	0.35	1.08	1.08	1.08
EX17S07_17GW07	10Y-8H	1.21	-0.06	-0.06	0.00	0.00	0.00
EX17S07_S06	10Y-8H	0.50	-1.12	-0.38	-0.63	-0.63	-0.63
EX17S07_WEIR	10Y-8H	1.43	0.00	0.11	0.90	0.90	0.90
EX17S09_S10	10Y-8H	3.20	-0.29	0.95	1.02	1.02	1.02
EX17S10_17GW10	10Y-8H	15.23	-0.73	-0.73	0.00	0.00	0.00
EX17S10_WEIR	10Y-8H	0.00	-13.71	0.04	-1.75	-1.75	-1.75
EX17S14_17GW14	10Y-8H	3.89	-0.26	-0.26	0.00	0.00	0.00
EX17S14_WEIR	10Y-8H	3.91	0.00	0.00	1.01	1.01	1.01
EX17S15_S16	10Y-8H	0.00	-17.08	-0.01	-3.40	-3.60	-3.50
EX17S16_S19	10Y-8H	0.06	-15.93	0.06	-2.30	-2.32	-2.31
EX17S17_17GW17	10Y-8H	4.18	-0.16	-0.16	0.00	0.00	0.00
EX17S17_WEIR	10Y-8H	4.19	0.00	0.00	1.09	1.09	1.09
EX17S18_S21	10Y-8H	3.17	-9.59	-2.80	-1.36	-1.36	-1.36
EX17S19_S20	10Y-8H	0.00	-15.02	-1.59	-2.12	-2.12	-2.12
EX17S20_S22	10Y-8H	0.00	-10.80	-1.98	-2.20	-2.20	-2.20
EX17S21_WEIR	10Y-8H	2.44	-9.60	-1.50	0.35	0.35	0.35
EX17S22_S23	10Y-8H	0.00	-6.88	2.70	-1.40	-1.40	-1.40
EX17S23_S24	10Y-8H	0.00	-5.07	-0.04	-1.30	-2.61	-1.83
EX17S24_S25	10Y-8H	0.02	-4.13	0.03	-1.06	-1.18	-1.12
EX17S25_S26	10Y-8H	22.40	0.00	0.01	3.35	3.59	3.47
EX17S26_S27	10Y-8H	25.13	0.00	0.01	4.03	2.61	3.32
EX17S27_17GW27	10Y-8H	16.30	-0.15	-0.15	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX17S27_WEIR	10Y-8H	8.85	-4.17	0.01	-0.84	-0.84	-0.84
EX17S29_17GW29	10Y-8H	3.45	-0.03	-0.01	0.00	0.00	0.00
EX17S29_WEIR	10Y-8H	0.00	-2.12	0.01	-0.84	-0.84	-0.84
EX17S30_S31	10Y-8H	2.51	-2.50	0.02	-1.21	-1.35	-1.28
EX17S31_S32	10Y-8H	9.20	-0.01	0.00	2.42	2.93	2.67
EX17S32_PONDE6	10Y-8H	9.81	0.00	-0.01	3.12	4.55	3.83
EX17S34_17GW34	10Y-8H	4.23	-0.42	-0.42	0.00	0.00	0.00
EX17S34_WEIR	10Y-8H	4.26	0.00	0.00	1.15	1.15	1.15
EX17S35_NLC	10Y-8H	5.71	-0.01	-3.50	0.45	0.45	0.45
EX17S35_WEIR	10Y-8H	5.46	0.00	0.01	1.34	1.34	1.34
EX17PONDE1_PONDE2	25Y-72H	0.05	-11.92	0.00	-2.48	-5.10	-3.79
EX17PONDE2_S18	25Y-72H	3.90	-27.77	-1.23	-3.93	-6.68	-5.29
EX17PONDE4_PONDE2	25Y-72H	4.04	-23.28	0.06	-3.69	-4.96	-4.07
EX17PONDE5_S30	25Y-72H	7.48	-9.10	0.20	-3.05	-4.41	-3.69
EX17PONDW1_PONDW3	25Y-72H	0.00	-14.15	0.00	-2.60	-5.37	-3.99
EX17PONDW3_PONDE2	25Y-72H	13.81	0.00	-0.01	2.30	4.27	3.02
EX17PONDW3_S15	25Y-72H	0.00	-34.34	-0.01	-4.87	-6.99	-5.92
EX17S01-OFFSITE_NLC	25Y-72H	129.36	-0.10	-2.59	13.45	13.45	13.45
EX17S01_17GW1	25Y-72H	33.29	-0.17	-0.12	0.00	0.00	0.00
EX17S01_WEIR	25Y-72H	26.10	-1.66	0.01	1.47	1.47	1.47
EX17S04_17GW4	25Y-72H	6.31	-0.05	-0.05	0.00	0.00	0.00
EX17S04_WEIR	25Y-72H	6.33	0.00	0.00	1.06	1.06	1.06
EX17S05_S09	25Y-72H	18.89	-4.45	-18.89	0.24	0.24	0.24
EX17S06_S05	25Y-72H	2.48	-0.20	-0.41	1.40	1.40	1.40
EX17S07_17GW07	25Y-72H	1.81	-0.03	-0.03	0.00	0.00	0.00
EX17S07_S06	25Y-72H	0.14	-1.93	0.45	-1.09	-1.09	-1.09
EX17S07_WEIR	25Y-72H	1.69	-0.36	0.27	0.86	0.86	0.86
EX17S09_S10	25Y-72H	5.51	-0.35	0.95	1.75	1.75	1.75

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX17S10_17GW10	25Y-72H	21.91	-0.33	-0.33	0.00	0.00	0.00
EX17S10_WEIR	25Y-72H	0.00	-20.62	0.05	-1.57	-1.57	-1.57
EX17S14_17GW14	25Y-72H	5.46	-0.08	-0.08	0.00	0.00	0.00
EX17S14_WEIR	25Y-72H	5.48	0.00	0.00	0.91	0.91	0.91
EX17S15_S16	25Y-72H	0.00	-33.51	-0.02	-4.74	-4.76	-4.75
EX17S16_S19	25Y-72H	0.01	-30.96	0.17	-4.38	-4.38	-4.38
EX17S17_17GW17	25Y-72H	5.74	-0.05	-0.05	0.00	0.00	0.00
EX17S17_WEIR	25Y-72H	5.76	0.00	0.00	0.98	0.98	0.98
EX17S18_S21	25Y-72H	4.99	-25.28	3.01	-3.58	-3.58	-3.58
EX17S19_S20	25Y-72H	0.00	-28.92	2.15	-4.09	-4.09	-4.09
EX17S20_S22	25Y-72H	0.00	-19.55	-2.01	-3.98	-3.98	-3.98
EX17S21_WEIR	25Y-72H	4.83	-25.24	-1.77	-0.98	-0.98	-0.98
EX17S22_S23	25Y-72H	0.26	-10.91	-2.82	-2.22	-2.22	-2.22
EX17S23_S24	25Y-72H	0.00	-6.96	-0.62	-1.49	-2.21	-1.60
EX17S24_S25	25Y-72H	0.02	-5.35	1.28	-1.31	-1.43	-1.37
EX17S25_S26	25Y-72H	54.82	0.00	-0.04	5.70	5.70	5.70
EX17S26_S27	25Y-72H	60.90	0.00	4.53	6.33	6.33	6.33
EX17S27_17GW27	25Y-72H	24.65	-0.06	-0.06	0.00	0.00	0.00
EX17S27_WEIR	25Y-72H	37.05	-5.58	1.12	1.44	1.44	1.44
EX17S29_17GW29	25Y-72H	5.19	-0.01	-0.01	0.00	0.00	0.00
EX17S29_WEIR	25Y-72H	0.00	-2.71	-0.01	-0.71	-0.71	-0.71
EX17S30_S31	25Y-72H	11.38	-5.10	0.03	1.68	1.72	1.70
EX17S31_S32	25Y-72H	24.86	0.00	0.01	3.60	4.03	3.81
EX17S32_PONDE6	25Y-72H	26.06	0.00	-0.01	4.22	5.89	5.05
EX17S34_17GW34	25Y-72H	4.72	-0.12	-0.06	0.00	0.00	0.00
EX17S34_WEIR	25Y-72H	4.75	0.00	0.00	1.03	1.03	1.03
EX17S35_NLC	25Y-72H	23.13	-0.02	3.37	1.84	1.84	1.84
EX17S35_WEIR	25Y-72H	23.14	0.00	0.01	2.16	2.16	2.16

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S01	100Y-1H	247222	247222	0
EX17S01	100Y-24H	639435	639435	0
EX17S01	100Y-8H	487858	487858	0
EX17S01	10Y-1H	161480	161480	0
EX17S01	10Y-24H	401919	401919	0
EX17S01	10Y-8H	330938	330938	1
EX17S01	25Y-72H	680416	680123	292

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S01-OFFSITE	100Y-1H	356134	356132	2
EX17S01-OFFSITE	100Y-24H	966505	966541	-36
EX17S01-OFFSITE	100Y-8H	685396	685400	-4
EX17S01-OFFSITE	10Y-1H	242870	242872	-2
EX17S01-OFFSITE	10Y-24H	632693	632704	-11
EX17S01-OFFSITE	10Y-8H	480481	480503	-22
EX17S01-OFFSITE	25Y-72H	1044098	1043546	552

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S04	100Y-1H	46869	46869	0
EX17S04	100Y-24H	227610	227610	0
EX17S04	100Y-8H	97885	97885	0
EX17S04	10Y-1H	37499	37499	0
EX17S04	10Y-24H	179347	179347	0
EX17S04	10Y-8H	80939	80939	0
EX17S04	25Y-72H	252238	252204	33

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S05	100Y-1H	20749	21415	-666
EX17S05	100Y-24H	37081	37347	-267
EX17S05	100Y-8H	23907	24764	-857
EX17S05	10Y-1H	13448	13973	-525
EX17S05	10Y-24H	24313	24388	-74
EX17S05	10Y-8H	17509	17965	-456

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S05	25Y-72H	36408	37068	-659

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S06	100Y-1H	17373	17431	-58
EX17S06	100Y-24H	29725	29736	-12
EX17S06	100Y-8H	23517	23535	-17
EX17S06	10Y-1H	11052	11114	-62
EX17S06	10Y-24H	19297	19308	-12
EX17S06	10Y-8H	16739	16744	-5
EX17S06	25Y-72H	31800	31774	26

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S07	100Y-1H	15615	15546	69
EX17S07	100Y-24H	32245	32224	21
EX17S07	100Y-8H	28221	28183	38
EX17S07	10Y-1H	9875	9803	73
EX17S07	10Y-24H	20413	20398	14
EX17S07	10Y-8H	18879	18863	17
EX17S07	25Y-72H	38429	38383	46

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S09	100Y-1H	24912	24248	664
EX17S09	100Y-24H	49551	49266	285
EX17S09	100Y-8H	32663	31804	860
EX17S09	10Y-1H	16315	15791	524
EX17S09	10Y-24H	32074	32002	73
EX17S09	10Y-8H	23191	22736	456
EX17S09	25Y-72H	50355	49381	974

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S10	100Y-1H	173928	173937	-9
EX17S10	100Y-24H	395267	395295	-29
EX17S10	100Y-8H	332364	332388	-24
EX17S10	10Y-1H	107144	107152	-9
EX17S10	10Y-24H	247897	247897	-1
EX17S10	10Y-8H	217204	217215	-12
EX17S10	25Y-72H	459832	459596	236

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S14	100Y-1H	40984	40984	0
EX17S14	100Y-24H	92860	92860	0
EX17S14	100Y-8H	68372	68372	0
EX17S14	10Y-1H	31052	31052	0
EX17S14	10Y-24H	42499	42499	0
EX17S14	10Y-8H	49399	49399	0
EX17S14	25Y-72H	80015	79982	33

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S15	100Y-1H	92477	92471	6
EX17S15	100Y-24H	319976	319978	-2
EX17S15	100Y-8H	205914	205916	-3
EX17S15	10Y-1H	65294	65294	0
EX17S15	10Y-24H	207612	207613	-1
EX17S15	10Y-8H	149416	149419	-3
EX17S15	25Y-72H	306666	306664	2

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S16	100Y-1H	90789	90637	152
EX17S16	100Y-24H	313933	313777	156
EX17S16	100Y-8H	201676	201524	152
EX17S16	10Y-1H	63896	63743	154
EX17S16	10Y-24H	203723	203564	159
EX17S16	10Y-8H	146497	146342	155
EX17S16	25Y-72H	300124	299971	154

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S17	100Y-1H	45261	45261	0
EX17S17	100Y-24H	134219	134219	0
EX17S17	100Y-8H	81549	81549	0
EX17S17	10Y-1H	35231	35231	0
EX17S17	10Y-24H	89904	89904	0
EX17S17	10Y-8H	61627	61627	0
EX17S17	25Y-72H	122963	122930	33

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S18	100Y-1H	82506	82402	104
EX17S18	100Y-24H	34221	34122	99
EX17S18	100Y-8H	76723	76646	76
EX17S18	10Y-1H	42739	42647	93
EX17S18	10Y-24H	18431	18286	145
EX17S18	10Y-8H	46658	46524	134
EX17S18	25Y-72H	99636	99490	146

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S19	100Y-1H	84798	84326	472
EX17S19	100Y-24H	294939	294784	155
EX17S19	100Y-8H	188508	188094	415
EX17S19	10Y-1H	59568	59089	479
EX17S19	10Y-24H	191170	191191	-22
EX17S19	10Y-8H	137385	136980	405
EX17S19	25Y-72H	279690	279436	253

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S20	100Y-1H	80278	79858	420
EX17S20	100Y-24H	280892	279596	1296
EX17S20	100Y-8H	178210	177628	582
EX17S20	10Y-1H	56253	55820	433
EX17S20	10Y-24H	182879	181120	1759
EX17S20	10Y-8H	130355	129756	599

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S20	25Y-72H	264430	263113	1317

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S21	100Y-1H	75255	75145	110
EX17S21	100Y-24H	23068	22948	120
EX17S21	100Y-8H	66086	65956	130
EX17S21	10Y-1H	38018	37904	114
EX17S21	10Y-24H	14606	14545	62
EX17S21	10Y-8H	40817	40762	55
EX17S21	25Y-72H	90432	90371	61

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S22	100Y-1H	55299	55146	153
EX17S22	100Y-24H	209657	210493	-836
EX17S22	100Y-8H	128284	128295	-11
EX17S22	10Y-1H	38996	38848	148
EX17S22	10Y-24H	135548	136795	-1247
EX17S22	10Y-8H	95396	95361	35
EX17S22	25Y-72H	187759	188380	-621

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S23	100Y-1H	31988	31832	156
EX17S23	100Y-24H	144591	144033	558
EX17S23	100Y-8H	81939	81741	198
EX17S23	10Y-1H	22984	22846	138
EX17S23	10Y-24H	93267	92587	681
EX17S23	10Y-8H	62909	62766	142
EX17S23	25Y-72H	117087	116866	222

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S24	100Y-1H	21555	21485	70
EX17S24	100Y-24H	114447	114439	8
EX17S24	100Y-8H	60588	60560	28
EX17S24	10Y-1H	15820	15755	64
EX17S24	10Y-24H	73543	73540	3
EX17S24	10Y-8H	47952	47928	23
EX17S24	25Y-72H	84585	84578	7

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S25	100Y-1H	159114	159114	0
EX17S25	100Y-24H	437282	437282	0
EX17S25	100Y-8H	307850	307850	0
EX17S25	10Y-1H	105194	105195	-1
EX17S25	10Y-24H	283602	283602	0
EX17S25	10Y-8H	213584	213584	0
EX17S25	25Y-72H	473091	473093	-2

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S26	100Y-1H	162514	162418	96
EX17S26	100Y-24H	384138	384114	23
EX17S26	100Y-8H	290736	290688	48
EX17S26	10Y-1H	105232	105172	60
EX17S26	10Y-24H	250189	250171	18
EX17S26	10Y-8H	196108	196068	40
EX17S26	25Y-72H	454734	454670	64

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S27	100Y-1H	198294	198330	-36
EX17S27	100Y-24H	468286	468292	-6
EX17S27	100Y-8H	332852	332859	-7
EX17S27	10Y-1H	130102	130108	-6
EX17S27	10Y-24H	310765	310770	-5
EX17S27	10Y-8H	235695	235701	-7
EX17S27	25Y-72H	548421	548348	73

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S29	100Y-1H	28094	28094	0
EX17S29	100Y-24H	104244	104244	0
EX17S29	100Y-8H	59100	59100	0
EX17S29	10Y-1H	21441	21442	0
EX17S29	10Y-24H	69164	69164	0
EX17S29	10Y-8H	45340	45340	0
EX17S29	25Y-72H	104867	104834	33

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S30	100Y-1H	38936	38944	-8
EX17S30	100Y-24H	98521	98522	-1
EX17S30	100Y-8H	58291	58293	-1
EX17S30	10Y-1H	18473	18477	-4
EX17S30	10Y-24H	62850	62851	-1
EX17S30	10Y-8H	34902	34903	-1
EX17S30	25Y-72H	108418	108419	-2

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S31	100Y-1H	70141	70130	11
EX17S31	100Y-24H	125999	125997	2
EX17S31	100Y-8H	113244	113244	-1
EX17S31	10Y-1H	35231	35227	4
EX17S31	10Y-24H	78597	78595	2
EX17S31	10Y-8H	61901	61901	-1
EX17S31	25Y-72H	167782	167781	1

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S32	100Y-1H	70913	70908	4
EX17S32	100Y-24H	82763	82763	0
EX17S32	100Y-8H	105790	105787	3
EX17S32	10Y-1H	34702	34698	4
EX17S32	10Y-24H	51539	51540	0
EX17S32	10Y-8H	54165	54162	3

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S32	25Y-72H	137920	137918	3

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S34	100Y-1H	38778	38778	0
EX17S34	100Y-24H	114016	114016	0
EX17S34	100Y-8H	73908	73908	0
EX17S34	10Y-1H	31794	31794	0
EX17S34	10Y-24H	71726	71726	0
EX17S34	10Y-8H	58090	58090	0
EX17S34	25Y-72H	115256	115222	33

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX17S35	100Y-1H	41402	41401	1
EX17S35	100Y-24H	113	113	0
EX17S35	100Y-8H	53695	53688	7
EX17S35	10Y-1H	8726	8729	-3
EX17S35	10Y-24H	113	113	0
EX17S35	10Y-8H	11308	11326	-18
EX17S35	25Y-72H	56577	56549	28

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-1	100Y-1H	247222	0	247222
GWT-1	100Y-24H	639435	3	639431
GWT-1	100Y-8H	487858	5	487852
GWT-1	10Y-1H	161480	0	161480
GWT-1	10Y-24H	401919	5	401914
GWT-1	10Y-8H	330938	7	330931
GWT-1	25Y-72H	679090	3	679087

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-10	100Y-1H	169170	0	169170
GWT-10	100Y-24H	395189	15	395175
GWT-10	100Y-8H	331768	27	331741
GWT-10	10Y-1H	104230	0	104230
GWT-10	10Y-24H	247864	24	247840
GWT-10	10Y-8H	216879	46	216833
GWT-10	25Y-72H	459458	12	459446

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-14	100Y-1H	40984	0	40984
GWT-14	100Y-24H	92860	2	92857
GWT-14	100Y-8H	68372	5	68367
GWT-14	10Y-1H	31052	0	31052
GWT-14	10Y-24H	42499	4	42495
GWT-14	10Y-8H	49399	6	49392
GWT-14	25Y-72H	79982	2	79980

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-17	100Y-1H	45261	0	45261
GWT-17	100Y-24H	134219	1	134217
GWT-17	100Y-8H	81549	2	81547
GWT-17	10Y-1H	35231	0	35231
GWT-17	10Y-24H	89904	2	89902
GWT-17	10Y-8H	61627	4	61623
GWT-17	25Y-72H	122930	1	122929

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-27	100Y-1H	120695	0	120695
GWT-27	100Y-24H	468292	1	468291
GWT-27	100Y-8H	274854	2	274852
GWT-27	10Y-1H	90674	0	90674
GWT-27	10Y-24H	310770	2	310768
GWT-27	10Y-8H	208762	2	208760
GWT-27	25Y-72H	478316	1	478315

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-29	100Y-1H	28094	0	28094
GWT-29	100Y-24H	104244	0	104244
GWT-29	100Y-8H	59100	1	59099
GWT-29	10Y-1H	21442	0	21442
GWT-29	10Y-24H	69164	1	69164
GWT-29	10Y-8H	45340	1	45339
GWT-29	25Y-72H	104834	0	104834

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-34	100Y-1H	38778	0	38778
GWT-34	100Y-24H	114016	2	114014
GWT-34	100Y-8H	73908	4	73904
GWT-34	10Y-1H	31794	0	31794
GWT-34	10Y-24H	71726	3	71723
GWT-34	10Y-8H	58090	6	58084
GWT-34	25Y-72H	115222	2	115221

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-4	100Y-1H	46869	0	46869
GWT-4	100Y-24H	227610	1	227608
GWT-4	100Y-8H	97885	2	97883
GWT-4	10Y-1H	37499	0	37499
GWT-4	10Y-24H	179347	2	179345
GWT-4	10Y-8H	80939	4	80935
GWT-4	25Y-72H	252204	1	252203

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-7	100Y-1H	13976	0	13976
GWT-7	100Y-24H	31751	2	31750
GWT-7	100Y-8H	26364	3	26361
GWT-7	10Y-1H	8935	0	8935
GWT-7	10Y-24H	20110	3	20107
GWT-7	10Y-8H	17210	4	17206

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-7	25Y-72H	37986	2	37984

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
NLC	100Y-1H	397533	27	397505
NLC	100Y-24H	966654	127	966527
NLC	100Y-8H	739089	97	738992
NLC	10Y-1H	251601	37	251564
NLC	10Y-24H	632817	127	632690
NLC	10Y-8H	491829	115	491714
NLC	25Y-72H	1100095	86	1100008

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 17E1	100Y-1H	157220	155207	2013
POND 17E1	100Y-24H	349137	347215	1922
POND 17E1	100Y-8H	303794	301810	1983
POND 17E1	10Y-1H	96801	94807	1994
POND 17E1	10Y-24H	218642	216740	1901
POND 17E1	10Y-8H	197234	195275	1958
POND 17E1	25Y-72H	413490	411581	1909

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 17E2	100Y-1H	143981	143663	319
POND 17E2	100Y-24H	208189	207943	247
POND 17E2	100Y-8H	208729	208432	297
POND 17E2	10Y-1H	85313	85015	298
POND 17E2	10Y-24H	111728	111497	231
POND 17E2	10Y-8H	136105	135817	288
POND 17E2	25Y-72H	247474	247149	325

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 17E3	100Y-1H	9174	9078	96
POND 17E3	100Y-24H	25775	25679	96
POND 17E3	100Y-8H	18122	18026	96
POND 17E3	10Y-1H	6110	6014	96
POND 17E3	10Y-24H	16688	16592	96
POND 17E3	10Y-8H	12550	12454	96
POND 17E3	25Y-72H	28102	28006	96

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 17E4	100Y-1H	55855	55688	167
POND 17E4	100Y-24H	93073	92857	215
POND 17E4	100Y-8H	75650	75448	201
POND 17E4	10Y-1H	35112	34893	219
POND 17E4	10Y-24H	42703	42495	208
POND 17E4	10Y-8H	51779	51560	218
POND 17E4	25Y-72H	92803	92627	177

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 17E5	100Y-1H	128414	128306	108
POND 17E5	100Y-24H	170384	170282	103
POND 17E5	100Y-8H	145092	144972	120
POND 17E5	10Y-1H	71998	71892	107
POND 17E5	10Y-24H	113584	113471	114
POND 17E5	10Y-8H	99126	98995	132
POND 17E5	25Y-72H	244546	244426	120

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 17E6	100Y-1H	81125	80983	142
POND 17E6	100Y-24H	114155	114014	141
POND 17E6	100Y-8H	127733	127591	142
POND 17E6	10Y-1H	41304	41162	142
POND 17E6	10Y-24H	71863	71723	140
POND 17E6	10Y-8H	69436	69295	142
POND 17E6	25Y-72H	171887	171745	142

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 17W1	100Y-1H	171028	169559	1469
POND 17W1	100Y-24H	429658	428239	1419
POND 17W1	100Y-8H	339659	338194	1465
POND 17W1	10Y-1H	110024	108564	1460
POND 17W1	10Y-24H	265071	263664	1407
POND 17W1	10Y-8H	227448	225998	1450
POND 17W1	25Y-72H	453683	452252	1432

Node Mass Balance Condensed [System 17 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 17W3	100Y-1H	122108	121985	123
POND 17W3	100Y-24H	399556	399373	183
POND 17W3	100Y-8H	262338	262177	161
POND 17W3	10Y-1H	85281	85114	167
POND 17W3	10Y-24H	259566	259379	187
POND 17W3	10Y-8H	188833	188664	169
POND 17W3	25Y-72H	392655	392507	148

System 18

Pre-Development Land Use Tables
Post-Development Land Use Tables
Water Quality Summary Table
Drainage Calculations
Drainage System Summary Tables
Pre-Development Node Link Diagram
Pre-Development ICPR Input/Output
Post-Development Node Link Diagram
Post-Development ICPR Input/Output

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

TABLE 18-1: PRE-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 18 **SHGWT EL. (ft-NAVD): 1.43**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
18B01	**10**	**0.77**	**0.77**	0.26	0.00	0.51	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**64.86**
18B03	**10**	**0.16**	**0.16**	0.16	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
18B05	**10**	**0.24**	**0.24**	0.20	0.00	0.04	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**88.00**
18B06	**10**	**0.07**	**0.07**	0.00	0.00	0.07	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**55.01**
POND 18W1	**10**	**22.53**	**22.53**	13.57	0.00	8.96	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**98.00**
POND 18W2	**10**	**2.50**	**2.50**	1.34	0.00	1.16	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**97.95**
POND 18W3	**10**	**2.23**	**2.23**	1.49	0.00	0.74	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**98.00**
POND 18W4	**10**	**2.29**	**2.29**	1.49	0.00	0.80	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**98.00**
POND 18W5	**10**	**5.13**	**5.13**	3.12	0.00	2.01	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**98.00**
POND 18W6	**10**	**7.46**	**7.46**	5.03	0.00	2.43	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**98.00**
SYSTEM 18 TOTALS		**43.38**	**43.38**	**26.66**	**0.00**	**16.72**	**0.00**	**0.00**	**0.00**	**0.00**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 18 **SHGWT EL. (ft-NAVD): 1.43**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
18B01	**10**	**0.77**	**0.77**	0.26	0.00	0.51	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**64.86**
18B03	**10**	**0.16**	**0.16**	0.16	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
18B05	**10**	**0.24**	**0.24**	0.20	0.00	0.04	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**88.00**
18B06	**10**	**0.07**	**0.07**	0.00	0.00	0.07	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**55.01**
POND 18W1	**10**	**22.47**	**22.47**	13.75	0.00	8.72	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**98.00**
POND 18W2	**10**	**2.50**	**2.50**	1.34	0.00	1.16	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**97.95**
POND 18W3	**10**	**2.24**	**2.24**	1.55	0.00	0.69	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**98.00**
POND 18W4	**10**	**2.28**	**2.28**	1.58	0.00	0.70	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**98.00**
POND 18W5	**10**	**5.27**	**5.27**	4.76	0.00	0.51	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**98.00**
POND 18W6	**10**	**7.25**	**7.25**	4.97	0.00	2.28	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**98.00**
SYSTEM TOTALS		**43.25**	**43.25**	**28.57**	**0.00**	**14.68**	**0.00**	**0.00**	**0.00**	**0.00**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS
WATER QUALITY

Drainage System: ***18***

SYSTEM	SHGWT EL. (ft-NAVD)	TOTAL ONSITE AREA (Ac.) *[POST-DEV.]*	ONSITE IMPERVIOUS AREA (Ac.) *[POST-DEV.]*	ONSITE PERVIOUS AREA (Ac.) *[POST-DEV.]*	SFWMD 1" OVER TOTAL ONSITE AREA (Ac-ft)	SFWMD 2.5" OVER IMPERVIOUS AREA (Ac-ft)	[1] SFWMD WATER QUALITY TREATMENT REQUIRED FOR RETENTION (Ac-ft)	[2] DRER WATER QUALITY TREATMENT REQUIRED (Ac-ft)	DRY- / WET-RETENTION TREATMENT VOLUME PROVIDED (Ac-ft)	FRENCH DRAIN TREATMENT VOLUME PROVIDED (Ac-ft)	TOTAL TREATMENT VOLUME PROVIDED (Ac-ft)	SURPLUS TREATMENT VOLUME PROVIDED (Ac-ft)
18	1.43	43.25	28.57	14.68	3.60	5.95	**2.98**	**5.35**	2.63	8.36	**10.99**	**5.64**
SYSTEM TOTAL	1.43	43.25	28.57	14.68	3.60	5.95	**2.98**	**5.35**	2.63	8.36	**10.99**	**5.64**

[1] Greater of 1" over Total Onsite Area and 2.5" over Onsite Impervious Area, multiplied by 0.50 to account for 50% retention volume required.
[2] See next page for water quality calculations by Miami-Dade Department of Regulatory and Economic Resources (DRER).

POND 18W1			POND 18W2			POND 18W3			POND 18W4			POND 18W5			POND 18W6		
TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.43	2.62		2.43	0.26		2.43	0.12		2.43	0.25		2.43	0.08		2.43	0.43	
3.08	2.86	1.78	*3.08*	*0.28*	*0.18*	3.08	0.15	*0.09*	3.08	0.31	*0.18*	3.08	0.11	*0.06*	3.08	0.49	*0.30*
3.09	**2.86**	**1.81**	**3.09**	**0.28**	**0.18**	**3.09**	**0.15**	**0.09**	**3.09**	**0.31**	**0.19**	**3.09**	**0.11**	**0.06**	**3.09**	**0.49**	**0.30**
5.43	*3.77*	*9.57*	5.43	0.37	*0.94*	5.43	0.26	*0.57*	5.43	0.54	*1.18*	5.43	0.22	*0.45*	5.43	0.68	*1.67*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

TABLE 18-6: WATER QUALITY CALCULATIONS BY DRER

Drainage System: 18

AREA:

Onsite Impervious	**28.57**	Ac.	66%
Onsite Pervious	**14.68**	Ac.	34%
Total Area	**43.25**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.70 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV}) / A_T = \mathbf{0.70}$$

$t_{1"}$ = 13.73 min.

TOTAL TIME OF CONCENTRATION (T_T)

$T_T = t_{1"} + Tc =$ 23.73 min.

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.43 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ CiAT_t =$ **232945.60 cf** **5.35 ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

Variable Groundwater Calculations

Drainage System:	***18***

Stage = DHW + [PRG x (RF - DHW)]
See ADICPR Technical Design Guide 2-25

Elevation Conversion:	-1.57	ft.	(NGVD-NAVD)

DHW =	3.00	ft. - NGVD	Design High Water / October Average Groundwater Elevation
	1.43	ft. - NAVD	(MD PWD - W.C. 2.2)
RF =	4.00	ft. - NGVD	Return Frequency Groundwater Elevation / Average Yearly Highest Groundwater Level (AYH) (MD PWD
	2.43	ft. - NAVD	- W.C. 2.1)
PRG=	Variable		(Percentage Rise in Groundwater)

8-hr Design Storm Duration

Time	PRG	Stage
(hrs)	%	(ft)
0	0.00	1.43
1	0.02	1.45
2	0.13	1.56
3	0.28	1.71
4	0.70	2.13
5	0.86	2.29
6	0.92	2.35
7	0.97	2.40
8	1.00	2.43
12	0.00	1.43

24-hr Design Storm Duration

Time	PRG	Stage
(hrs)	%	(ft)
0	0.00	1.43
1	0.01	1.44
2	0.03	1.46
3	0.06	1.49
4	0.09	1.52
5	0.12	1.55
6	0.16	1.59
7	0.20	1.63
8	0.24	1.67
9	0.30	1.73
10	0.36	1.79
11	0.44	1.87
12	0.54	1.97
13	0.61	2.04
14	0.67	2.10
15	0.73	2.16
16	0.78	2.21
17	0.82	2.25
18	0.86	2.29
19	0.90	2.33
20	0.93	2.36
21	0.96	2.39
22	0.98	2.41
23	0.99	2.42
24	1.00	2.43
36	0.00	1.43

72-hr Design Storm Duration

Time	PRG	Stage
(hrs)	%	(ft)
0	0.00	1.43
24	0.11	1.54
36	0.19	1.62
48	0.26	1.69
49	0.27	1.70
50	0.28	1.71
51	0.29	1.72
52	0.30	1.73
53	0.31	1.74
54	0.33	1.76
55	0.34	1.77
56	0.37	1.80
57	0.39	1.82
57.5	0.40	1.83
58	0.42	1.85
58.5	0.44	1.87
59	0.46	1.89
59.5	0.50	1.93
60	0.75	2.18
60.5	0.80	2.23
61	0.83	2.26
61.5	0.85	2.28
62	0.87	2.30
62.5	0.88	2.31
63	0.89	2.32
64	0.91	2.34
65	0.92	2.35
66	0.94	2.37
68	0.96	2.39
70	0.98	2.41
72	1.00	2.43
108	0.00	1.43

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

VARIABLE TAILWATER*

FOR SYSTEM 18:

8HR			24HR			72HR		
TIME	STAGE (FT-NGVD)	STAGE (FT-NGVD)	TIME	STAGE (FT-NGVD)	STAGE (FT-NGVD)	TIME	STAGE (FT-NGVD)	STAGE (FT-NGVD)
0.00	3.00	1.43	0.00	3.00	1.43	0.00	3.00	1.43
8.00	4.00	2.43	24.00	4.00	2.43	72.00	4.00	2.43
12.00	3.00	1.43	36.00	3.00	1.43	108.00	3.00	1.43

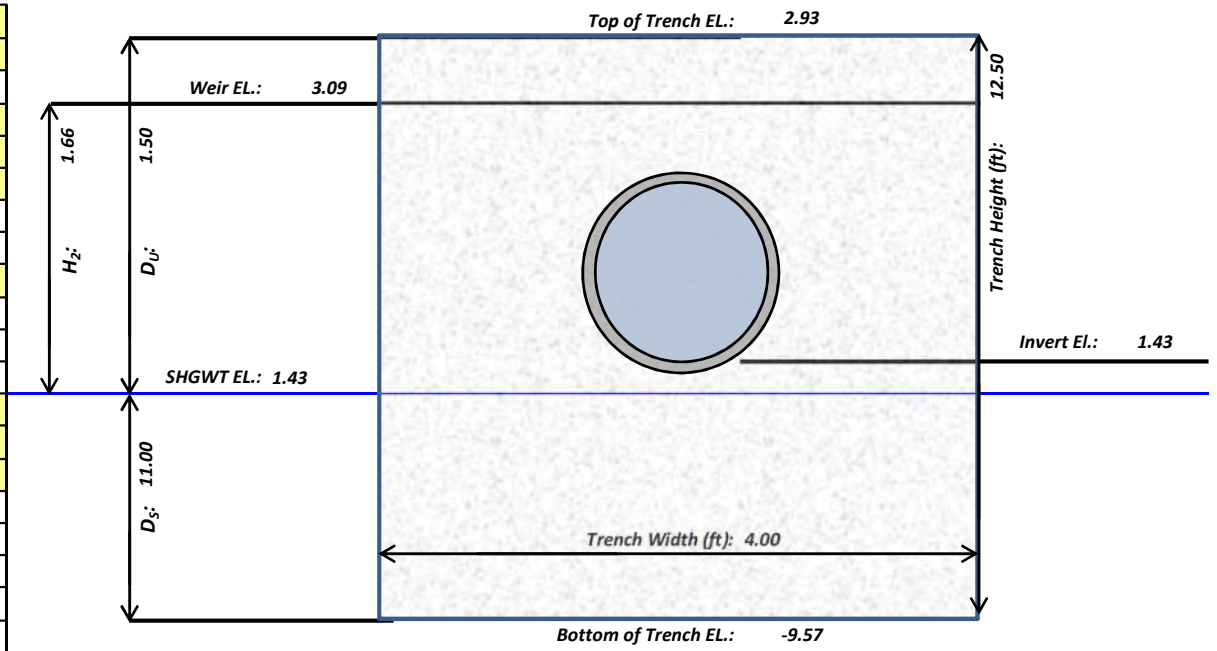
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 18

French Drain (ICPR Link Name):	EX18S01_18GW01
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	142.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	71.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.43
Top of Trench EL. (ft-NAVD):	2.93
Bottom of Trench EL. (ft-NAVD):	-9.57
Trench Height, H_T (ft):	12.50
Weir EL. (ft-NAVD):	3.09
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.66
Non-Saturated Trench Depth, D_U (ft):	1.50
Saturated Trench Depth, D_S (ft):	11.00
H_2W:	6.64
$2H_2D_U$:	4.98
D_U^2:	2.25
$2H_2D_S$:	36.52
$(1.39x10^{-4})WD_U$:	0.000834
d_2:	0.00
d_3:	1.07
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	5.23E-05
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	8.84E-05
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	0.20
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.20**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 18

French Drain (ICPR Link Name): **EX18S01_18GW01**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **71.00**
Trench Height, H_T (ft): **12.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **1.43**
Top of Trench EL. (ft-NAVD): **2.93**
Bottom of Trench EL. (ft-NAVD): **-9.57**
Weir EL. (ft-NAVD): **3.09**
Upstream Structure Rim/Grate EL. (ft-NAVD): **5.77**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**2.93**	1.50	11.00	1.50	0.00317	**0.2250**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	1.50	11.00	4.01	0.00847	**0.6016**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**2.93**	0.50	12.00	0.50	0.00108	**0.0769**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.43	**5.44**	0.50	12.00	3.01	0.00652	**0.4628**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**2.93**	**0.2250**
1.43	**5.44**	**0.6016**
2.43	**2.43**	**0.0000**
2.43	**2.93**	**0.0769**
2.43	**5.44**	**0.4628**

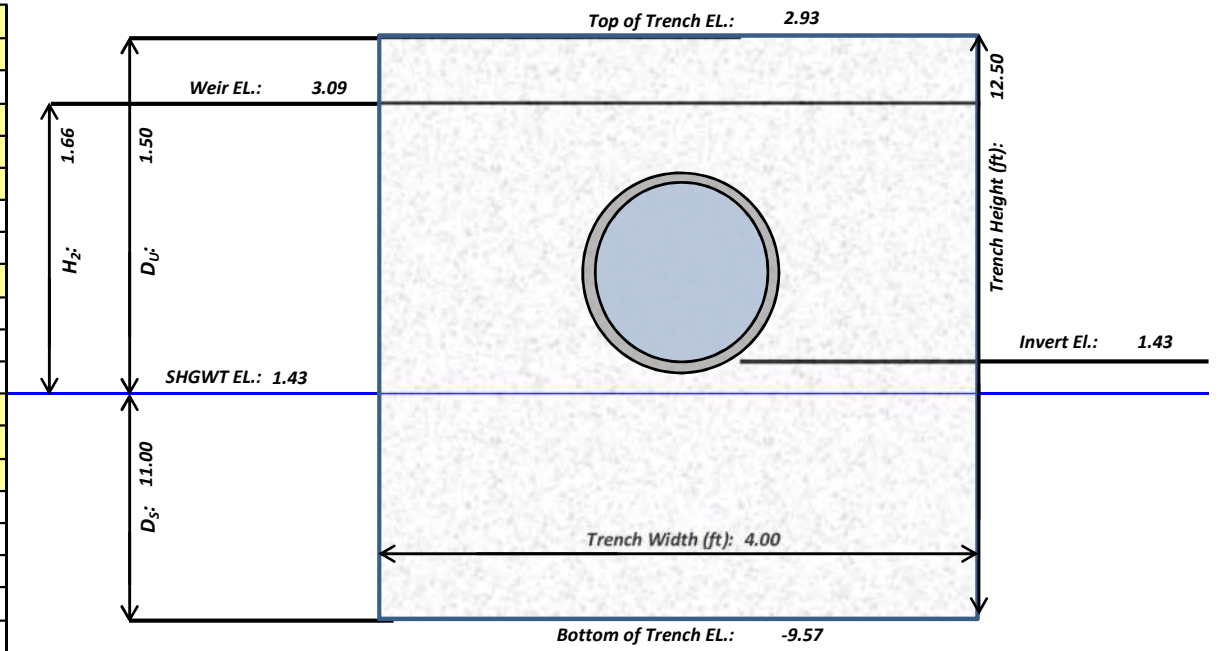
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 18

French Drain (ICPR Link Name):	EX18S02_18GW02
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	142.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	71.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	1.43
Top of Trench EL. (ft-NAVD):	2.93
Bottom of Trench EL. (ft-NAVD):	-9.57
Trench Height, H_T (ft):	12.50
Weir EL. (ft-NAVD):	3.09
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.66
Non-Saturated Trench Depth, D_U (ft):	1.50
Saturated Trench Depth, D_S (ft):	11.00
H_2W:	6.64
$2H_2D_U$:	4.98
D_U^2:	2.25
$2H_2D_S$:	36.52
$(1.39x10^{-4})WD_U$:	0.000834
d_2:	0.00
d_3:	1.07
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	5.23E-05
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	8.84E-05
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	0.20
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.20**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 18

French Drain (ICPR Link Name): **EX18S02_18GW02**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **71.00**
Trench Height, H_T (ft): **12.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **1.43**
Top of Trench EL. (ft-NAVD): **2.93**
Bottom of Trench EL. (ft-NAVD): **-9.57**
Weir EL. (ft-NAVD): **3.09**
Upstream Structure Rim/Grate EL. (ft-NAVD): **5.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**
*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

*** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**2.93**	1.50	11.00	1.50	0.00317	**0.2250**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	1.50	11.00	4.01	0.00847	**0.6016**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**2.93**	0.50	12.00	0.50	0.00108	**0.0769**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.43	**5.44**	0.50	12.00	3.01	0.00652	**0.4628**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**2.93**	**0.2250**
1.43	**5.44**	**0.6016**
2.43	**2.43**	**0.0000**
2.43	**2.93**	**0.0769**
2.43	**5.44**	**0.4628**

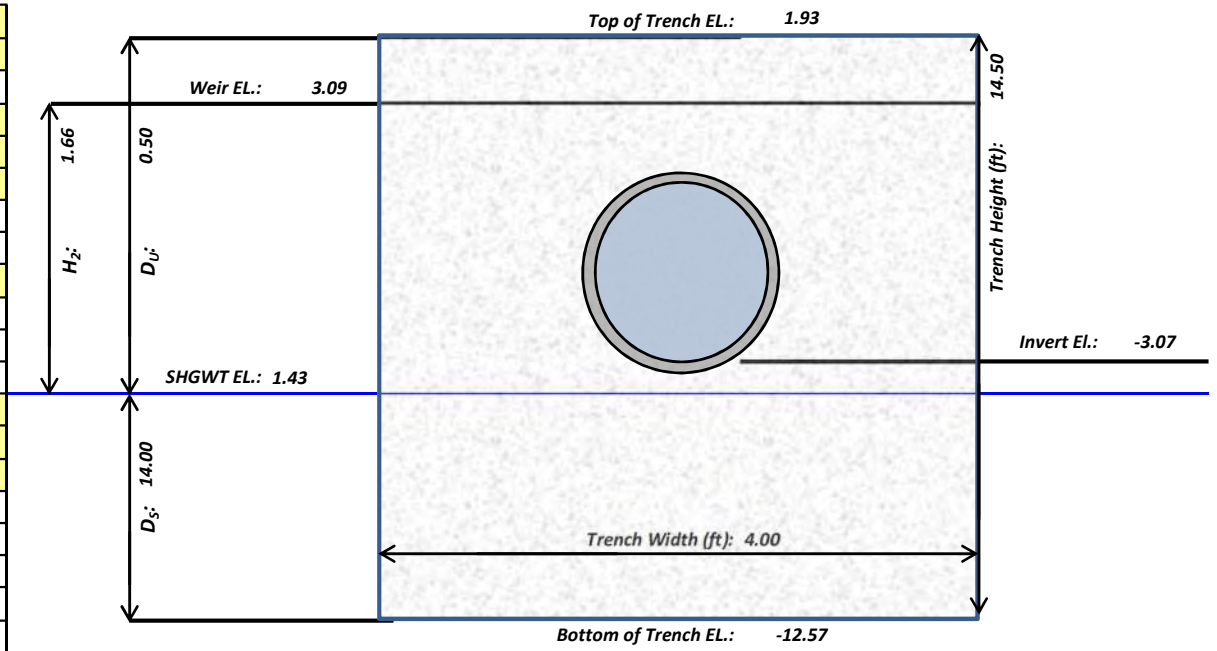
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 18

French Drain (ICPR Link Name):	EX18S08_18GW08
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	184.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	92.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	3.09
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.66
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	6.64
$2H_2D_U$:	1.66
D_U^2:	0.25
$2H_2D_S$:	46.48
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	1.74E-03
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	5.25E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	7.69
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**7.69**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 18

French Drain (ICPR Link Name): **EX18S08_18GW08**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **92.00**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **3.09**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.05105	**4.6961**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	0.50	14.00	4.01	0.10000	**18.4000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.44**	-0.50	15.00	3.01	0.10000	**18.4000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**4.6961**
1.43	**5.44**	**18.4000**
2.43	**2.43**	**0.0000**
2.43	**5.44**	**18.4000**

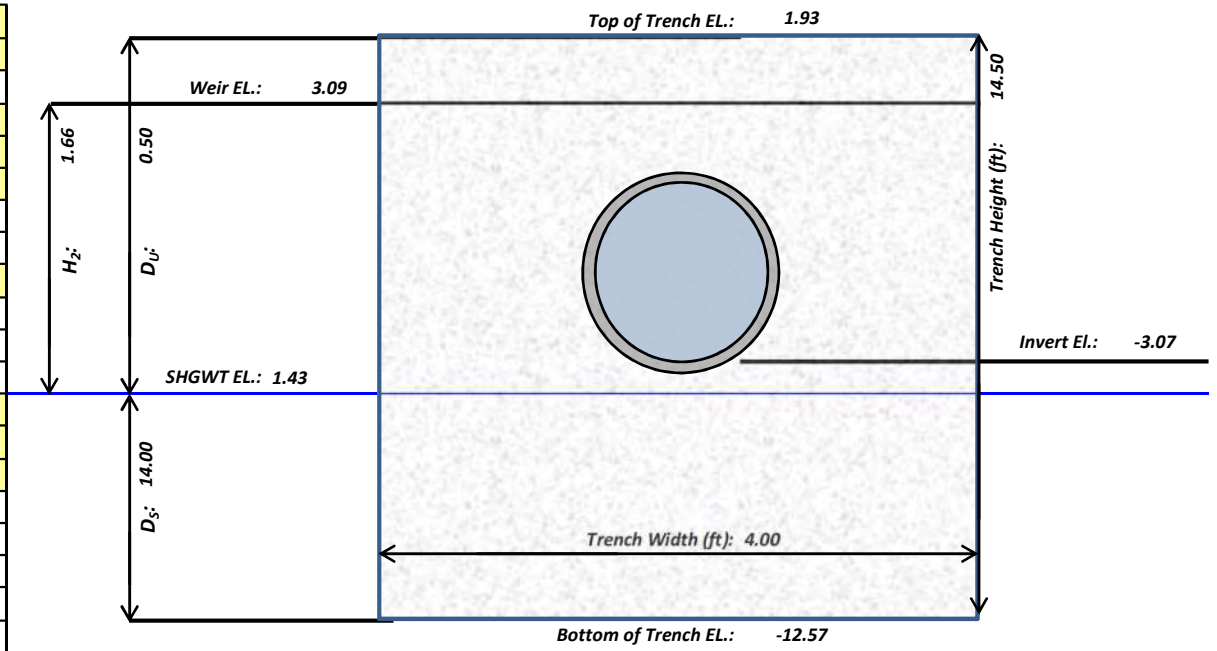
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 18

French Drain (ICPR Link Name):	EX18S10_18GW10
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	84.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	42.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	3.09
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.66
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	6.64
$2H_2D_U$:	1.66
D_U^2:	0.25
$2H_2D_S$:	46.48
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
K_{10} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	1.74E-03
K_{15} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	5.25E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	3.51
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**3.51**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 18

French Drain (ICPR Link Name): **EX18S10_18GW10**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **42.00**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **3.09**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.05105	**2.1439**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	0.50	14.00	4.01	0.10000	**8.4000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.44**	-0.50	15.00	3.01	0.10000	**8.4000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**2.1439**
1.43	**5.44**	**8.4000**
2.43	**2.43**	**0.0000**
2.43	**5.44**	**8.4000**

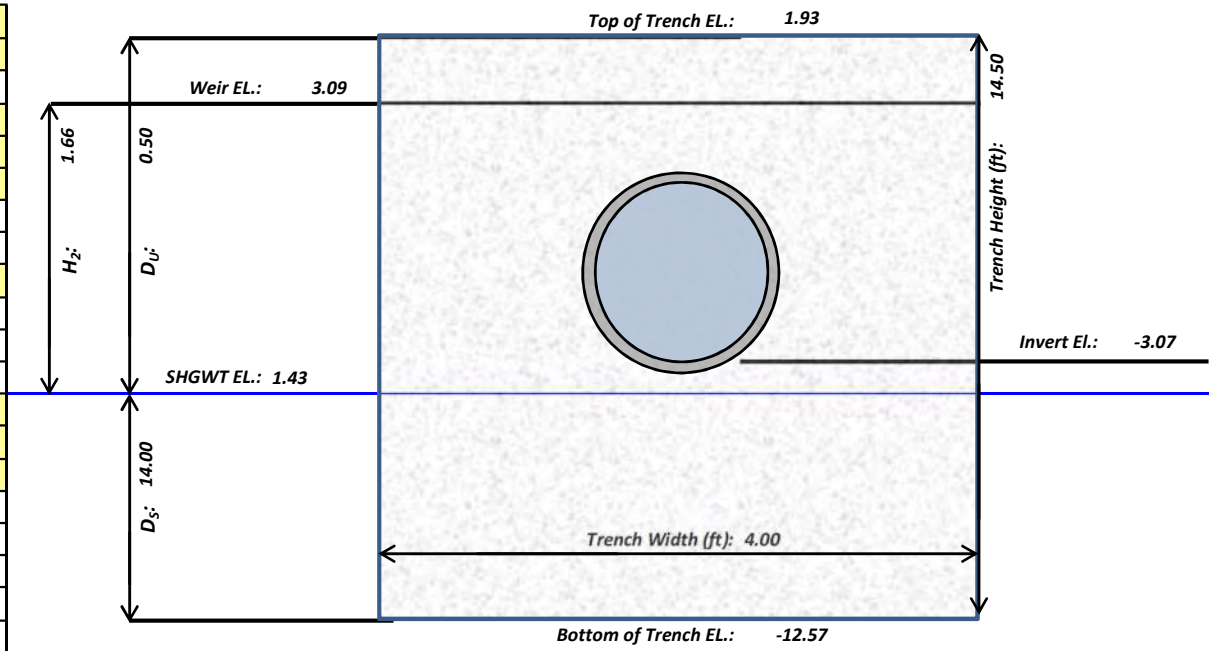
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 18

French Drain (ICPR Link Name):	EX18S12_18GW12
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	84.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	42.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	3.09
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.66
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	6.64
$2H_2D_U$:	1.66
D_U^2:	0.25
$2H_2D_S$:	46.48
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
K_{10} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	1.58E-03
K_{15} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	3.35E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	3.19
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**3.19**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 18

French Drain (ICPR Link Name): **EX18S12_18GW12**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **42.00**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **3.09**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.03927	**1.6491**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	0.50	14.00	4.01	0.10000	**8.4000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.44**	-0.50	15.00	3.01	0.10000	**8.4000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**1.6491**
1.43	**5.44**	**8.4000**
2.43	**2.43**	**0.0000**
2.43	**5.44**	**8.4000**

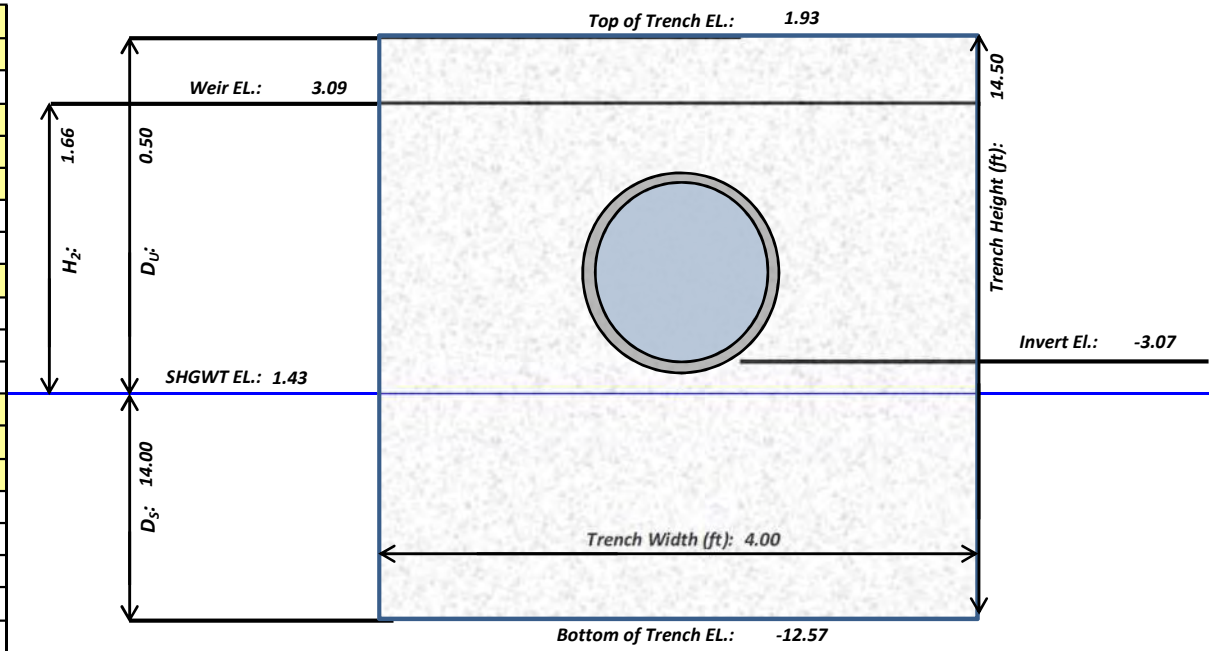
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 18

French Drain (ICPR Link Name):	EX18S16_18GW16
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	84.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	42.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	3.09
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.66
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	6.64
$2H_2D_U$:	1.66
D_U^2:	0.25
$2H_2D_S$:	46.48
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	1.84E-03
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	3.15E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	3.71
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**3.71**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 18

French Drain (ICPR Link Name): **EX18S16_18GW16**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **42.00**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **3.09**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.04197	**1.7627**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	0.50	14.00	4.01	0.10000	**8.4000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.44**	-0.50	15.00	3.01	0.10000	**8.4000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**1.7627**
1.43	**5.44**	**8.4000**
2.43	**2.43**	**0.0000**
2.43	**5.44**	**8.4000**

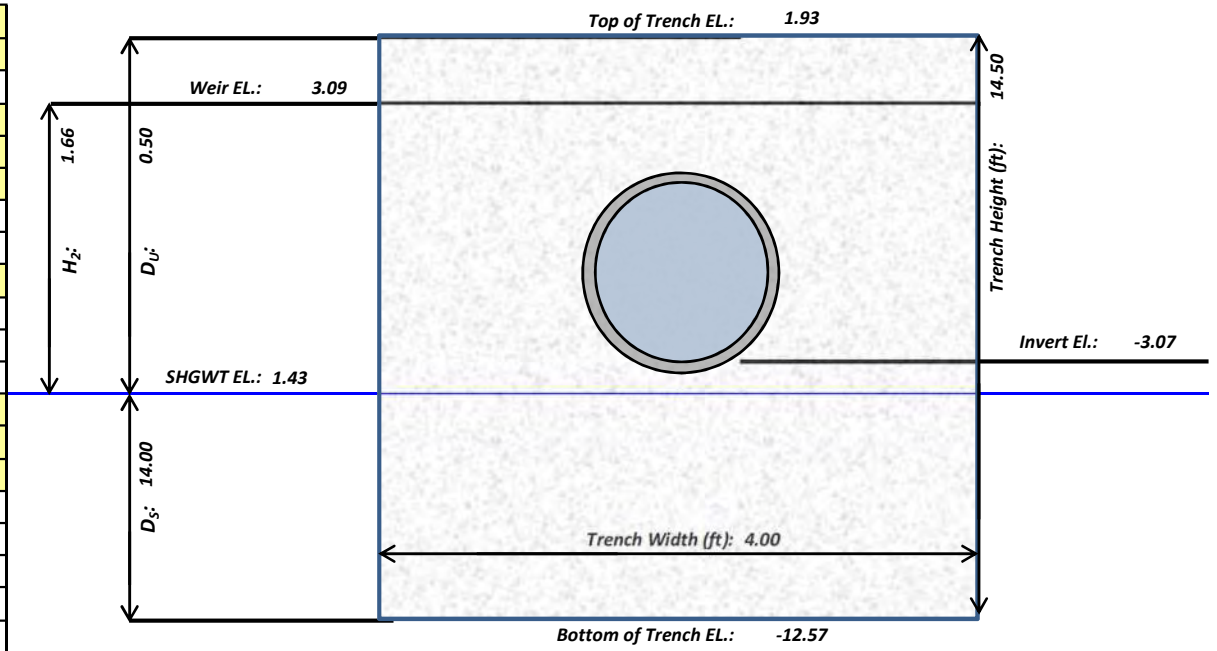
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 18

French Drain (ICPR Link Name):	EX18S20_18GW20
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	134.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	67.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	3.09
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.66
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	6.64
$2H_2D_U$:	1.66
D_U^2:	0.25
$2H_2D_S$:	46.48
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
K_{10} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	2.90E-06
K_{15} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	1.19E-05
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	0.03
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.03**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 18

French Drain (ICPR Link Name): **EX18S20_18GW20**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **67.00**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **3.09**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.00010	**0.0068**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	0.50	14.00	4.01	0.00081	**0.0545**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.44**	-0.50	15.00	3.01	0.00061	**0.0409**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**0.0068**
1.43	**5.44**	**0.0545**
2.43	**2.43**	**0.0000**
2.43	**5.44**	**0.0409**

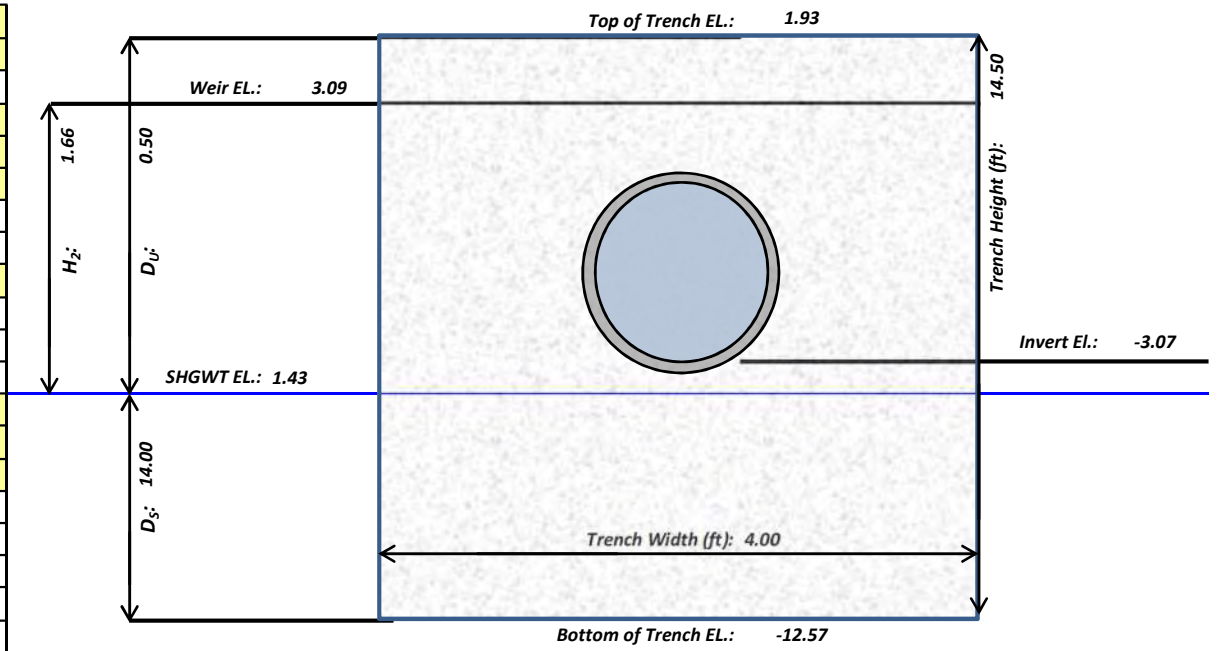
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 18

French Drain (ICPR Link Name):	EX18S21_18GW21
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	184.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	92.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	3.09
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.66
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	6.64
$2H_2D_U$:	1.66
D_U^2:	0.25
$2H_2D_S$:	46.48
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	1.42E-03
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	1.45E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	6.28
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**6.28**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 18

French Drain (ICPR Link Name): **EX18S21_18GW21**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **92.00**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **3.09**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.02749	**2.5286**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	0.50	14.00	4.01	0.10000	**18.4000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.44**	-0.50	15.00	3.01	0.10000	**18.4000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**2.5286**
1.43	**5.44**	**18.4000**
2.43	**2.43**	**0.0000**
2.43	**5.44**	**18.4000**

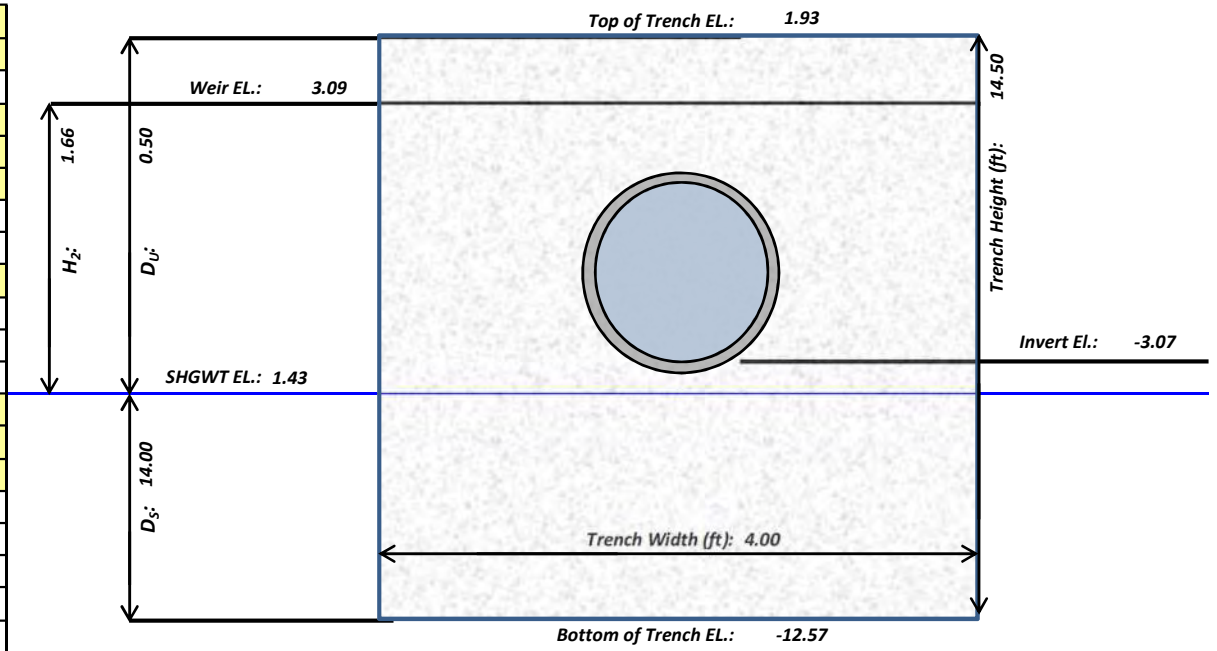
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 18

French Drain (ICPR Link Name):	EX18S08_18GW08
Existing/Proposed:	Existing (Adding 222')
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	406.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	203.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	3.09
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.66
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	6.64
$2H_2D_U$:	1.66
D_U^2:	0.25
$2H_2D_S$:	46.48
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	1.74E-03
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	5.25E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	16.97
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**16.97**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 18

French Drain (ICPR Link Name): **EX18S08_18GW08**
Existing/Proposed: **Existing (Adding 222')**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **203.00**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **3.09**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.05105	**10.3621**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	0.50	14.00	4.01	0.10000	**40.6000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.44**	-0.50	15.00	3.01	0.10000	**40.6000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**10.3621**
1.43	**5.44**	**40.6000**
2.43	**2.43**	**0.0000**
2.43	**5.44**	**40.6000**

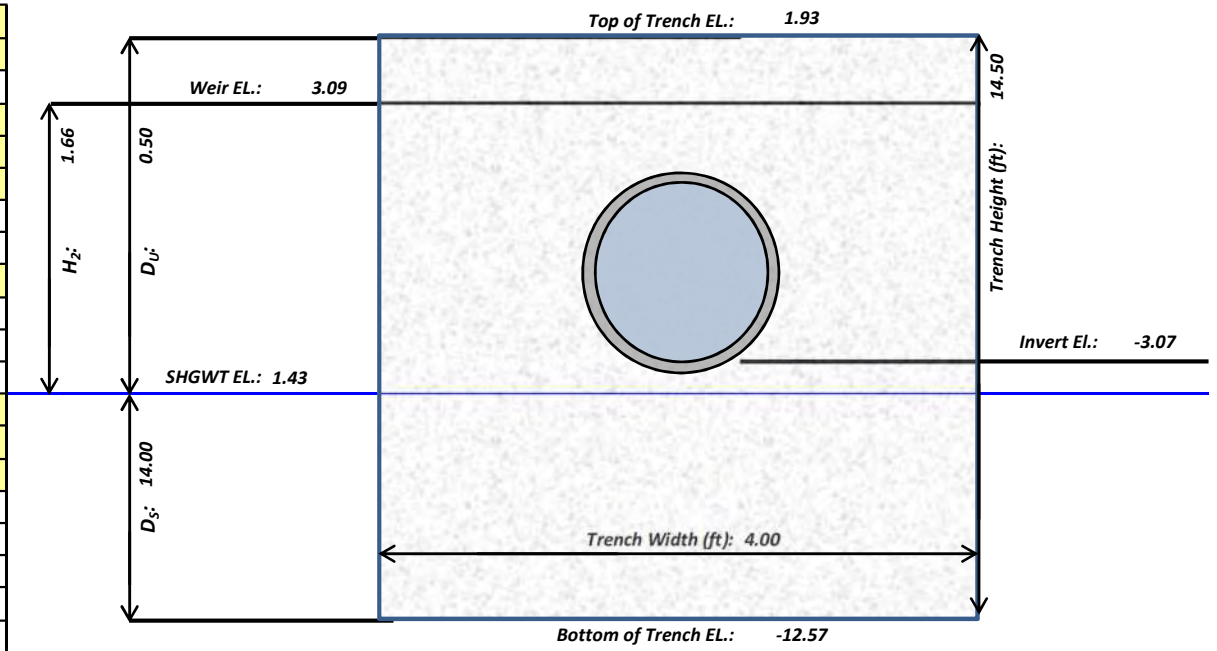
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 18

French Drain (ICPR Link Name):	18S01 TO 18S02
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	200.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	100.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	3.09
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.66
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	6.64
$2H_2D_U$:	1.66
D_U^2:	0.25
$2H_2D_S$:	46.48
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	1.74E-03
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	5.25E-03
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	8.36
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**8.36**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 18

French Drain (ICPR Link Name): **18S01 TO 18S02**
Existing/Proposed: **Proposed**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **100.00**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **3.09**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.05105	**5.1045**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	0.50	14.00	4.01	0.10000	**20.0000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.44**	-0.50	15.00	3.01	0.10000	**20.0000**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**5.1045**
1.43	**5.44**	**20.0000**
2.43	**2.43**	**0.0000**
2.43	**5.44**	**20.0000**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS
DRAINAGE SYSTEM SUMMARY TABLES

Drainage System: ***18***

Summary of Peak Discharges

Receiving Waterbody: NORTH LINE CANAL

PRE-DEVELOPMENT

ICPR Link/Basin:	Outfall Pipe / Weir Description:	Flow Area (ft^2)	10yr-24hr Peak Flow Rate (cfs)	10yr-24hr Peak Flow Velocity (fps)	25yr-72hr Peak Flow Rate (cfs)	25yr-72hr Peak Flow Velocity (fps)	100yr-24hr Peak Flow Rate (cfs)	100yr-24hr Peak Flow Velocity (fps)
EX18S22_NLC	48" PIPE	12.57	3.74	0.30	73.68	5.86	15.23	1.21
	PRE-DEVELOPMENT TOTALS:	--	--	--	**73.68**	--	--	--

POST-DEVELOPMENT

ICPR Link/Basin:	Outfall Pipe / Weir Description:	Flow Area (ft^2)	10yr-24hr Peak Flow Rate (cfs)	10yr-24hr Peak Flow Velocity (fps)	25yr-72hr Peak Flow Rate (cfs)	25yr-72hr Peak Flow Velocity (fps)	100yr-24hr Peak Flow Rate (cfs)	100yr-24hr Peak Flow Velocity (fps)
EX18S22_NLC	48" PIPE	12.57	4.45	0.35	70.40	5.60	9.13	0.73
	POST-DEVELOPMENT TOTALS:	--	--	--	**70.4**	--	--	--

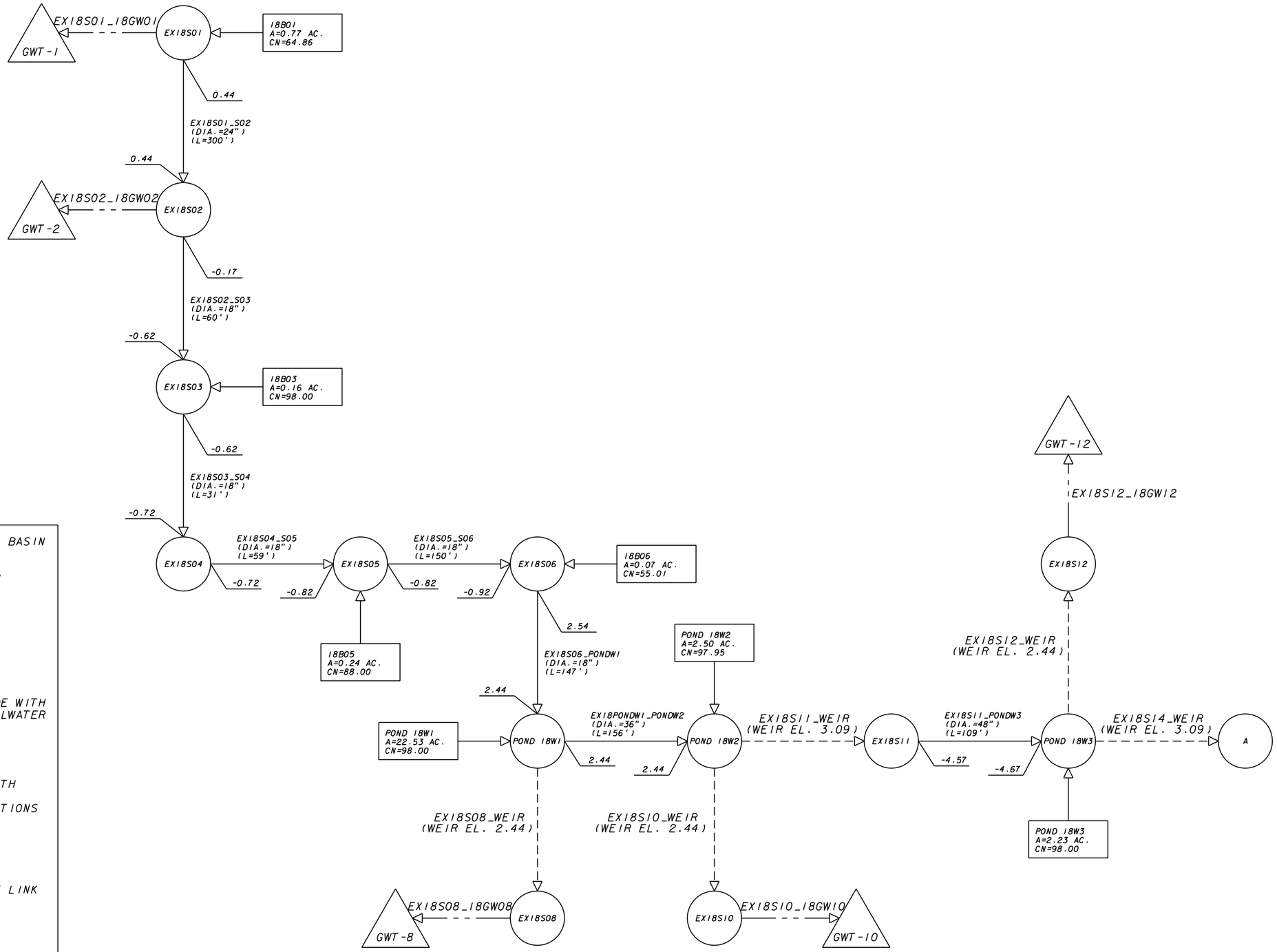
Pre-Post 25yr-72hr Peak Discharge Reduction (cfs): ***3.28***

Summary of Peak Stages

Pond/ Swale/ FD #	Type: [Wet/Dry, Det./Ret., FD]	Disposition [Exist./ Prop./ Modified]	Warning EL. [Min. Berm/ Min. EOP] (ft-NAVD)	PRE-DEVELOPMENT			POST-DEVELOPMENT		
				Max 10yr-24hr Stage (ft-NAVD)	Max 25yr-72hr Stage (ft-NAVD)	Max 100yr-24hr Stage (ft-NAVD)	Max 10yr-24hr Stage (ft-NAVD)	Max 25yr-72hr Stage (ft-NAVD)	Max 100yr-24hr Stage (ft-NAVD)
POND 18W1	DRY RETENTION	MODIFIED	5.43	3.51	4.98	4.08	2.92	4.48	3.24
POND 18W2	DRY RETENTION	EXIST.	5.43	3.20	4.22	3.44	2.71	4.08	3.21
POND 18W3	DRY RETENTION	EXIST.	5.43	3.15	4.10	3.39	2.83	3.99	3.21
POND 18W4	DRY RETENTION	EXIST.	5.43	3.18	3.60	3.27	3.17	3.59	3.26
POND 18W5	DRY RETENTION	EXIST.	5.43	3.14	3.92	3.34	3.14	3.85	3.21
POND 18W6	DRY RETENTION	EXIST.	5.43	3.85	5.69	4.22	3.83	5.63	4.19

Control Structure Summary Table - Proposed Conditions

Control Structure:	Disposition [Exist./ Prop./ Modified]	Weir Type/ Geometry	Weir EL. (ft-NAVD)	Bleeder Type/ Geometry	Bleeder Invert EL. (ft-NAVD)
EX18S22_NLC	EXIST.	DBI/HORIZONTAL RECTANGULAR	3.09	N.A	N/A



LEGEND

18B05 A=0.08 AC. CN=80.13	CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER
EX18S04	NODE NAME
GWT-4	BOUNDARY NODE WITH VARIABLE TAILWATER
EX18S20_S22 (DIA.=24") (L=121') 2.44 2.44	PIPE LINK WITH SIZE-LENGTH INVERT ELEVATIONS
EX18S01_17GW	RATING CURVE LINK
EX18S01_WEIR (EL. 3.20)	WEIR LINK WITH WEIR ELEVATION

SYSTEM 18

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JUAN C. GARCIA, P.E.
P.E. No.: 46597
AECOM TECHNICAL SERVICES, INC.
7650 CORPORATE CENTER DRIVE, SUITE 400
MIAMI, FL 33126-1220
CERTIFICATE OF AUTHORIZATION: 8115

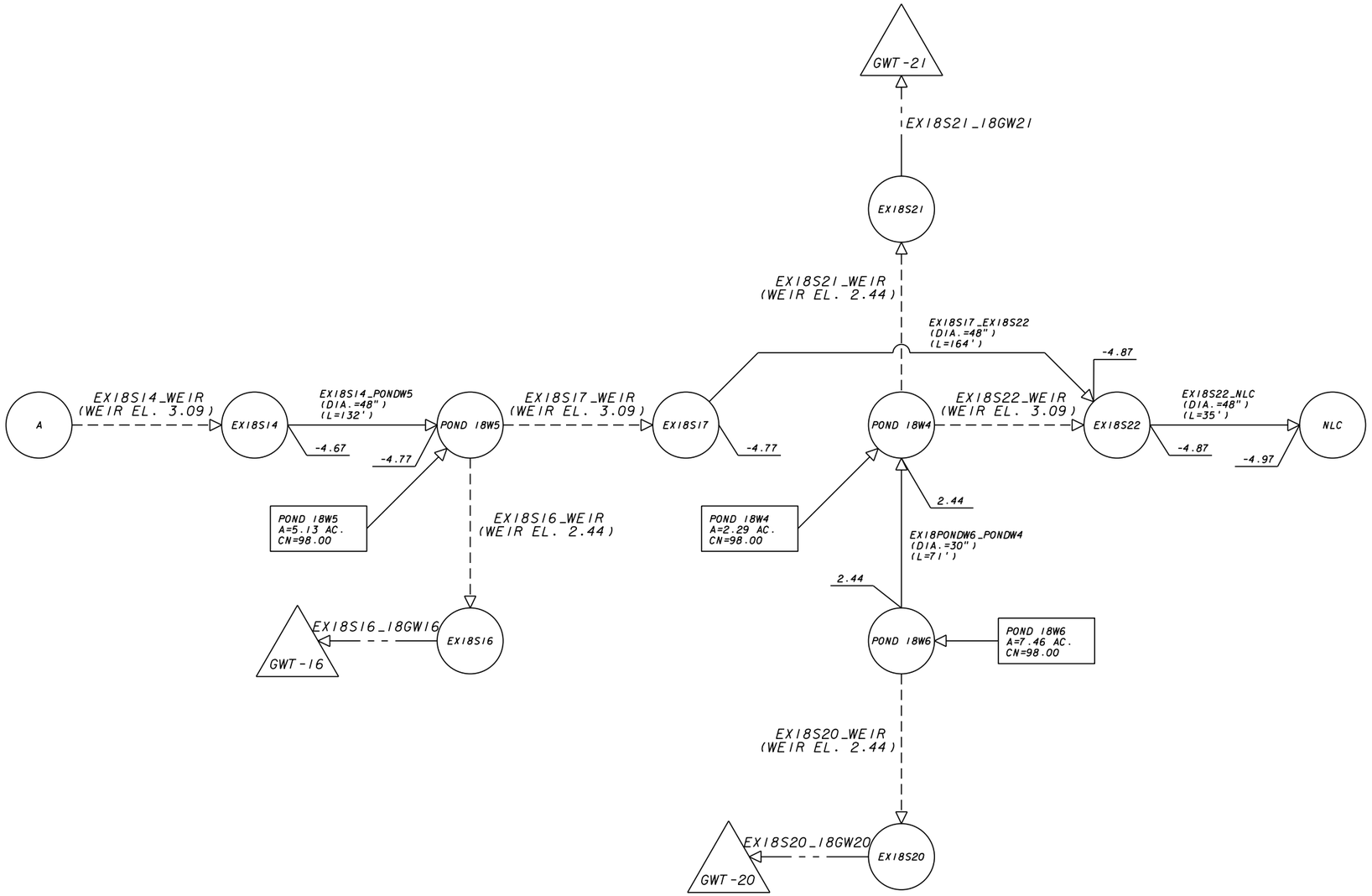
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR-9	MIAMI-DADE	428358-5-32-03

NODE-LINK DIAGRAM (1 OF 2)
(PRE-DEV. CONDITIONS)

SHEET NO.

$USERS $DATES $TIMES $FILES



LEGEND

18B05 A=0.08 AC. CN=80.13	CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER
EX18S04	NODE NAME
GWT-4	BOUNDARY NODE WITH VARIABLE TAILWATER
EX18S20_S22 (DIA.=24") (L=121') 2.44 2.44	PIPE LINK WITH SIZE-LENGTH INVERT ELEVATIONS
EX18S01_17GW1	RATING CURVE LINK
EX18S01_WEIR (EL. 3.20)	WEIR LINK WITH WEIR ELEVATION

SYSTEM 18

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JUAN C. GARCIA, P.E.
P.E. No.: 46597
AECOM TECHNICAL SERVICES, INC.
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR-9	MIAMI-DADE	428358-5-32-03

NODE-LINK DIAGRAM (1 OF 2)
(PRE-DEV. CONDITIONS)

SHEET NO.

$USER$ $DATE$ $TIME$ $FILE$

Manual Basin: 18B01

Scenario: System 18 - Pre Dev
Node: EX18S01
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.7700	18B01	18B01			

Comment:

Manual Basin: 18B03

Scenario: System 18 - Pre Dev
Node: EX18S03
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.1600	18B03	18B03			

Comment:

Manual Basin: 18B05

Scenario: System 18 - Pre Dev
Node: EX18S05
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.2400	18B05	18B05			

Comment:

Manual Basin: 18B06

Scenario: System 18 - Pre Dev
Node: EX18S06
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.0700	18B06	18B06			

Comment:

Manual Basin: POND 18W1

Scenario: System 18 - Pre Dev
Node: POND 18W1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
22.5300	POND 18W1	POND 18W1			

Comment:

Manual Basin: POND 18W2

Scenario: System 18 - Pre Dev
Node: POND 18W2
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs

Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
2.5000	POND 18W2	POND 18W2			

Comment:

Manual Basin: POND 18W3

Scenario: System 18 - Pre Dev
Node: POND 18W3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
2.2300	POND 18W3	POND 18W3			

Comment:

Manual Basin: POND 18W4

Scenario: System 18 - Pre Dev
Node: POND 18W4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
2.2900	POND 18W4	POND 18W4			

Comment:

Manual Basin: POND 18W5

Scenario: System 18 - Pre Dev
Node: POND 18W5
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
5.1300	POND 18W5	POND 18W5			

Comment:

Manual Basin: POND 18W6

Scenario: System 18 - Pre Dev
Node: POND 18W6
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
7.4600	POND 18W6	POND 18W6			

Comment:

Node: EX18S01

Scenario: System 18 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.25 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.07	0.0033	144
2.93	0.0033	144
2.94	0.0003	13
6.25	0.0003	13

Comment:

Node: EX18S02

Scenario: System 18 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.06 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.07	0.0033	144
2.93	0.0033	144
2.94	0.0003	13
6.06	0.0003	13

Comment:

Node: EX18S03

Scenario: System 18 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.40 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.62	0.0003	13
4.40	0.0003	13
4.41	0.0030	131

Comment:

Node: EX18S04

Scenario: System 18 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.30 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.72	0.0003	13
5.30	0.0003	13

Comment:

Node: EX18S05

Scenario: System 18 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.72	0.0002	9
5.88	0.0002	9
5.89	0.0020	87

Comment:

Node: EX18S06

Scenario: System 18 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.92	0.0002	9
12.27	0.0002	9
12.28	0.0020	87

Comment:

Node: EX18S08

Scenario: System 18 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0042	183
1.93	0.0042	183
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX18S10

Scenario: System 18 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.07	0.0019	83
1.93	0.0019	83
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX18S11

Scenario: System 18 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0005	22
3.08	0.0005	22
3.09	0.0050	218

Comment:

Node: EX18S12

Scenario: System 18 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.07	0.0019	83
1.93	0.0019	83
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX18S14

Scenario: System 18 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.67	0.0005	22
3.08	0.0005	22
3.09	0.0050	218

Comment:

Node: EX18S16

Scenario: System 18 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.07	0.0019	83
1.93	0.0019	83
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX18S17

Scenario: System 18 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.77	0.0005	22
3.08	0.0005	22
3.09	0.0050	218

Comment:

Node: EX18S20

Scenario: System 18 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0031	135
1.93	0.0031	135
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX18S21

Scenario: System 18 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.07	0.0042	183
1.93	0.0042	183
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX18S22

Scenario: System 18 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.87	0.0005	22
3.08	0.0005	22
3.09	0.0050	218

Comment:

Node: GWT-1

Scenario: System 18 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-10

Scenario: System 18 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-10

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-12

Scenario: System 18 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-12

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-16

Scenario: System 18 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-16

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-2

Scenario: System 18 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43

Year	Month	Day	Hour	Stage [ft]
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-20

Scenario: System 18 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-20

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-21

Scenario: System 18 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-21

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-8

Scenario: System 18 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-8

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: NLC

Scenario: System 18 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: NLC

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: POND 18W1

Scenario: System 18 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	2.8000	121968
3.08	3.0600	133294
5.43	4.0300	175547

Comment:

Node: POND 18W2

Scenario: System 18 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.2600	11326
3.08	0.2800	12197
5.43	0.3700	16117

Comment:

Node: POND 18W3

Scenario: System 18 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.1200	5227
3.08	0.1500	6534
5.43	0.2600	11326

Comment:

Node: POND 18W4

Scenario: System 18 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.2500	10890
3.08	0.3100	13504
5.43	0.5400	23522

Comment:

Node: POND 18W5

Scenario: System 18 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.0800	3485
3.08	0.1100	4792
5.43	0.2200	9583

Comment:

Node: POND 18W6

Scenario: System 18 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.4300	18731
3.08	0.4900	21344
5.43	0.6800	29621

Comment:

Pipe Link: EX18PONDW1_PONDW2		Upstream		Downstream	
Scenario:	System 18 - Pre Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 18W1	Geometry: Circular		Geometry: Circular	
To Node:	POND 18W2	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft

Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	156.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX18PONDW6_PONDW4		Upstream		Downstream	
Scenario:	System 18 - Pre Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 18W6	Geometry: Circular		Geometry: Circular	
To Node:	POND 18W4	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	71.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX18S01_18GW01

Scenario:	System 18 - Pre Dev
From Node:	EX18S01
To Node:	GWT-1
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX18S01	1.43	EX18S01	1.43	EX18S01

Comment:

Pipe Link: EX18S01_S02		Upstream		Downstream	
Scenario:	System 18 - Pre Dev	Invert:	0.44 ft	Invert:	0.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX18S01	Geometry: Circular		Geometry: Circular	

To Node:	EX18S02	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	300.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX18S02_18GW02

Scenario: System 18 - Pre Dev
From Node: EX18S02
To Node: GWT-2
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX18S02	1.43	EX18S02	1.43	EX18S02

Comment:

Pipe Link: EX18S02_S03		Upstream		Downstream	
Scenario:	System 18 - Pre Dev	Invert:	-0.17 ft	Invert:	-0.62 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX18S02	Geometry: Circular		Geometry: Circular	
To Node:	EX18S03	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	60.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX18S03_S04	Upstream	Downstream

Scenario:	System 18 - Pre Dev	Invert:	-0.62 ft	Invert:	-0.72 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX18S03	Geometry: Circular		Geometry: Circular	
To Node:	EX18S04	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	31.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX18S04_S05		Upstream		Downstream	
Scenario:	System 18 - Pre Dev	Invert:	-0.72 ft	Invert:	-0.82 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX18S04	Geometry: Circular		Geometry: Circular	
To Node:	EX18S05	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	59.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX18S05_S06		Upstream		Downstream	
Scenario:	System 18 - Pre Dev	Invert:	-0.82 ft	Invert:	-0.92 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX18S05	Geometry: Circular		Geometry: Circular	
To Node:	EX18S06	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	150.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft

Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX18S06_PONDW1		Upstream		Downstream	
Scenario:	System 18 - Pre Dev	Invert:	2.54 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX18S06	Geometry: Circular		Geometry: Circular	
To Node:	POND 18W1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	147.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX18S08_18GW08

Scenario:	System 18 - Pre Dev
From Node:	EX18S08
To Node:	GWT-8
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX18S08	1.43	EX18S08	1.43	EX18S08

Comment:

Weir Link: EX18S08_WEIR

Scenario:	System 18 - Pre Dev	Bottom Clip	
From Node:	POND 18W1	Default:	0.00 ft
To Node:	EX18S08	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	

Invert:	2.44 ft
Control Elevation:	2.44 ft
Max Depth:	5.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Rating Curve Link: EX18S10_18GW10

Scenario:	System 18 - Pre Dev
From Node:	EX18S10
To Node:	GWT-10
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX18S10	1.43	EX18S10	1.43	EX18S10

Comment:

Weir Link: EX18S10_WEIR

Scenario:	System 18 - Pre Dev
From Node:	POND 18W2
To Node:	EX18S10
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.44 ft
Control Elevation:	2.44 ft
Max Depth:	5.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: EX18S11_PONDW3

Scenario:	System 18 - Pre Dev
From Node:	EX18S11
To Node:	POND 18W3
Link Count:	1
Flow Direction:	Both

Upstream	
Invert:	-4.57 ft
Manning's N:	0.0120
Geometry: Circular	
Max Depth:	4.00 ft
Bottom Clip	
Default:	0.00 ft

Downstream	
Invert:	-4.67 ft
Manning's N:	0.0120
Geometry: Circular	
Max Depth:	4.00 ft
Bottom Clip	
Default:	0.00 ft

Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	109.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX18S11_WEIR

Scenario:	System 18 - Pre Dev	Bottom Clip	
From Node:	POND 18W2	Default:	0.00 ft
To Node:	EX18S11	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.09 ft	Discharge Coefficients	
Control Elevation:	3.09 ft	Weir Default:	3.200
Max Depth:	8.75 ft	Weir Table:	
Max Width:	3.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Rating Curve Link: EX18S12_18GW12

Scenario:	System 18 - Pre Dev
From Node:	EX18S12
To Node:	GWT-12
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX18S12	1.43	EX18S12	1.43	EX18S12

Comment:

Weir Link: EX18S12_WEIR

Scenario:	System 18 - Pre Dev	Bottom Clip	
From Node:	POND 18W3	Default:	0.00 ft
To Node:	EX18S12	Op Table:	
Link Count:	1	Ref Node:	

Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.44 ft
Control Elevation:	2.44 ft
Max Depth:	5.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: EX18S14_PONDW5		Upstream		Downstream	
Scenario:	System 18 - Pre Dev	Invert:	-4.67 ft	Invert:	-4.77 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX18S14	Geometry: Circular		Geometry: Circular	
To Node:	POND 18W5	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	132.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX18S14_WEIR	
Scenario:	System 18 - Pre Dev
From Node:	POND 18W3
To Node:	EX18S14
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	3.09 ft
Control Elevation:	3.09 ft
Max Depth:	8.75 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Rating Curve Link: EX18S16_18GW16

Scenario: System 18 - Pre Dev
From Node: EX18S16
To Node: GWT-16
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX18S16	1.43	EX18S16	1.43	EX18S16

Comment:

Weir Link: EX18S16_WEIR

Scenario: System 18 - Pre Dev
From Node: POND 18W5
To Node: EX18S16
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 2.44 ft
Control Elevation: 2.44 ft
Max Depth: 5.33 ft
Max Width: 4.83 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: EX18S17_EX18S22

Scenario: System 18 - Pre Dev
From Node: EX18S17
To Node: EX18S22
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 164.00 ft
FHWA Code: 1
Entr Loss Coef: 0.50
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream
Invert: -4.77 ft
Manning's N: 0.0120

Geometry: Circular
Max Depth: 4.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Downstream
Invert: -4.87 ft
Manning's N: 0.0120

Geometry: Circular
Max Depth: 4.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Weir Link: EX18S17_WEIR

Scenario:	System 18 - Pre Dev
From Node:	POND 18W5
To Node:	EX18S17
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	3.09 ft
Control Elevation:	3.09 ft
Max Depth:	8.75 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Rating Curve Link: EX18S20_18GW20

Scenario:	System 18 - Pre Dev
From Node:	EX18S20
To Node:	GWT-20
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX18S20	1.43	EX18S20	1.43	EX18S20

Comment:

Weir Link: EX18S20_WEIR

Scenario:	System 18 - Pre Dev
From Node:	POND 18W6
To Node:	EX18S20
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.44 ft
Control Elevation:	2.44 ft
Max Depth:	5.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Rating Curve Link: EX18S21_18GW21

Scenario: System 18 - Pre Dev
From Node: EX18S21
To Node: GWT-21
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX18S21	1.43	EX18S21	1.43	EX18S21

Comment:

Weir Link: EX18S21_WEIR

Scenario: System 18 - Pre Dev
From Node: POND 18W4
To Node: EX18S21
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 2.44 ft
Control Elevation: 2.44 ft
Max Depth: 5.33 ft
Max Width: 4.83 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: EX18S22_NLC

Scenario: System 18 - Pre Dev
From Node: EX18S22
To Node: NLC
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 35.00 ft
FHWA Code: 1
Entr Loss Coef: 0.50
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream
Invert: -4.87 ft
Manning's N: 0.0120

Geometry: Circular
Max Depth: 4.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Downstream
Invert: -4.97 ft
Manning's N: 0.0120

Geometry: Circular
Max Depth: 4.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Weir Link: EX18S22_WEIR

Scenario:	System 18 - Pre Dev
From Node:	POND 18W4
To Node:	EX18S22
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	3.09 ft
Control Elevation:	3.09 ft
Max Depth:	8.75 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Simulation: 100Y-1H

Scenario:	System 18 - Pre Dev
Run Date/Time:	7/24/2019 7:46:50 AM
Program Version:	ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	3.0000	1.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	25.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 1-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 18 - Pre Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 18 - Pre Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 5.10 in
Storm Duration: 1.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 100Y-24H

Scenario: System 18 - Pre Dev
Run Date/Time: 7/24/2019 7:47:48 AM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	26.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	48.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph

Lookup Tables

Boundary Stage Set: 24-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 18 - Pre Dev

Folder:

Green-Ampt Set:	
Vertical Layers Set:	
Impervious Set:	Basin 18 - Pre Dev
Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Manual Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	13.44 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100Y-8H

Scenario:	System 18 - Pre Dev
Run Date/Time:	7/24/2019 7:48:55 AM
Program Version:	ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	10.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	32.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 8-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 18 - Pre Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 18 - Pre Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global

Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	9.60 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-1H

Scenario: System 18 - Pre Dev
Run Date/Time: 7/24/2019 7:49:22 AM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	3.0000	1.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	25.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 1-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 18 - Pre Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 18 - Pre Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 3.55 in
Storm Duration: 1.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 10Y-24H

Scenario: System 18 - Pre Dev
Run Date/Time: 7/24/2019 7:50:18 AM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	26.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	48.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 24-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 18 - Pre Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 18 - Pre Dev
Roughness Set:

Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Manual Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	8.88 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-8H

Scenario:	System 18 - Pre Dev
Run Date/Time:	7/24/2019 7:51:16 AM
Program Version:	ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	10.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	32.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 8-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 18 - Pre Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 18 - Pre Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-8
Rainfall Amount: 6.80 in
Storm Duration: 8.0000 hr

Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25Y-72H

Scenario: System 18 - Pre Dev
Run Date/Time: 7/24/2019 7:51:43 AM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	48.0000	15.0000
0	0	0	56.0000	5.0000
0	0	0	64.0000	1.0000
0	0	0	72.0000	5.0000
0	0	0	74.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	48.0000	15.0000
0	0	0	56.0000	5.0000
0	0	0	64.0000	1.0000
0	0	0	72.0000	5.0000
0	0	0	96.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 72-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 18 - Pre Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 18 - Pre Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~SFWMD-72
Rainfall Amount: 14.50 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Node Max Conditions [System 18 - Pre Dev]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX18S01	100Y-1H	6.25	4.76	0.0010	2.42	2.33	444
EX18S02	100Y-1H	6.06	4.75	0.0010	1.86	1.77	445
EX18S03	100Y-1H	4.40	4.74	0.0010	2.51	2.39	132
EX18S04	100Y-1H	5.30	4.73	0.0010	2.39	2.29	100
EX18S05	100Y-1H	5.43	4.72	0.0010	3.80	3.70	100
EX18S06	100Y-1H	5.43	4.71	0.0010	3.83	3.73	121
EX18S08	100Y-1H	5.43	4.68	0.0010	15.45	15.45	261
EX18S10	100Y-1H	5.43	4.10	0.0010	6.03	6.02	261
EX18S11	100Y-1H	5.43	4.07	0.0704	71.37	20.90	222
EX18S12	100Y-1H	5.43	4.00	0.0010	5.63	5.62	261
EX18S14	100Y-1H	5.43	3.93	0.0687	69.68	25.06	223
EX18S16	100Y-1H	5.43	3.82	0.0010	5.35	5.34	261
EX18S17	100Y-1H	5.43	2.78	0.0015	48.28	48.27	100
EX18S20	100Y-1H	5.43	5.67	0.0013	1.28	0.14	261
EX18S21	100Y-1H	5.43	3.54	0.0010	9.82	9.82	261
EX18S22	100Y-1H	5.43	2.28	0.0025	72.39	72.39	100
GWT-1	100Y-1H	99.00	1.43	0.0000	0.50	0.00	0
GWT-10	100Y-1H	99.00	1.43	0.0000	6.02	0.00	0
GWT-12	100Y-1H	99.00	1.43	0.0000	5.62	0.00	0
GWT-16	100Y-1H	99.00	1.43	0.0000	5.34	0.00	0
GWT-2	100Y-1H	99.00	1.43	0.0000	0.50	0.00	0
GWT-20	100Y-1H	99.00	1.43	0.0000	0.06	0.00	0
GWT-21	100Y-1H	99.00	1.43	0.0000	9.82	0.00	0
GWT-8	100Y-1H	99.00	1.43	0.0000	15.45	0.00	0
NLC	100Y-1H	99.00	1.43	0.0000	72.39	0.00	0
POND 18W1	100Y-1H	5.43	4.71	0.0010	185.44	31.93	162823
POND 18W2	100Y-1H	5.43	4.12	0.0007	31.12	26.67	14154
POND 18W3	100Y-1H	5.43	4.01	0.0704	29.44	71.37	8427
POND 18W4	100Y-1H	5.43	3.57	0.0004	35.12	34.63	15644
POND 18W5	100Y-1H	5.43	3.83	0.0687	53.74	69.68	6335
POND 18W6	100Y-1H	5.43	5.67	0.0010	58.55	24.18	29627
EX18S01	100Y-24H	6.25	4.09	0.0010	0.80	1.08	444

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX18S02	100Y-24H	6.06	4.09	0.0010	0.77	0.76	445
EX18S03	100Y-24H	4.40	4.09	0.0010	0.67	0.78	100
EX18S04	100Y-24H	5.30	4.08	0.0010	0.78	0.66	100
EX18S05	100Y-24H	5.43	4.08	0.0010	0.98	0.71	100
EX18S06	100Y-24H	5.43	4.08	0.0010	0.77	0.74	121
EX18S08	100Y-24H	5.43	4.05	0.0009	11.44	11.44	261
EX18S10	100Y-24H	5.43	3.43	0.0008	3.95	3.94	261
EX18S11	100Y-24H	5.43	3.40	0.0704	71.37	7.42	222
EX18S12	100Y-24H	5.43	3.38	0.0005	3.64	3.64	261
EX18S14	100Y-24H	5.43	3.35	0.0687	69.68	6.53	223
EX18S16	100Y-24H	5.43	3.33	0.0008	3.58	3.58	261
EX18S17	100Y-24H	5.43	2.43	0.0024	9.50	9.78	100
EX18S20	100Y-24H	5.43	4.22	0.0010	0.27	0.03	261
EX18S21	100Y-24H	5.43	3.25	0.0005	6.48	6.48	261
EX18S22	100Y-24H	5.43	2.43	0.0027	15.29	15.23	100
GWT-1	100Y-24H	99.00	2.43	0.0001	0.31	0.00	0
GWT-10	100Y-24H	99.00	2.43	0.0001	3.94	0.04	0
GWT-12	100Y-24H	99.00	2.43	0.0001	3.64	0.04	0
GWT-16	100Y-24H	99.00	2.43	0.0001	3.58	0.03	0
GWT-2	100Y-24H	99.00	2.43	0.0001	0.31	0.00	0
GWT-20	100Y-24H	99.00	2.43	0.0001	0.03	0.00	0
GWT-21	100Y-24H	99.00	2.43	0.0001	6.48	0.05	0
GWT-8	100Y-24H	99.00	2.43	0.0001	11.44	0.09	0
NLC	100Y-24H	99.00	2.43	0.0001	15.23	0.00	0
POND 18W1	100Y-24H	5.43	4.08	0.0002	31.21	20.06	151459
POND 18W2	100Y-24H	5.43	3.44	0.0001	11.30	11.32	13031
POND 18W3	100Y-24H	5.43	3.39	0.0704	10.06	71.37	7176
POND 18W4	100Y-24H	5.43	3.27	0.0001	12.10	12.01	14400
POND 18W5	100Y-24H	5.43	3.34	0.0687	13.11	69.68	5331
POND 18W6	100Y-24H	5.43	4.22	0.0006	10.09	9.12	25454
EX18S01	100Y-8H	6.25	5.13	0.0010	2.19	2.15	444
EX18S02	100Y-8H	6.06	5.12	0.0010	1.70	1.66	445
EX18S03	100Y-8H	4.40	5.11	0.0010	1.86	1.81	132

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX18S04	100Y-8H	5.30	5.09	0.0010	1.81	1.77	100
EX18S05	100Y-8H	5.43	5.09	0.0010	2.70	2.66	100
EX18S06	100Y-8H	5.43	5.08	0.0010	2.82	2.78	121
EX18S08	100Y-8H	5.43	5.04	0.0010	16.23	16.19	261
EX18S10	100Y-8H	5.43	4.09	0.0010	5.17	5.15	261
EX18S11	100Y-8H	5.43	4.04	0.0704	71.37	22.92	222
EX18S12	100Y-8H	5.43	3.94	0.0010	4.76	4.69	261
EX18S14	100Y-8H	5.43	3.87	0.0687	69.68	25.45	223
EX18S16	100Y-8H	5.43	3.74	0.0010	4.26	4.23	261
EX18S17	100Y-8H	5.43	3.14	0.0017	39.69	39.67	224
EX18S20	100Y-8H	5.43	5.55	0.0010	0.28	0.07	261
EX18S21	100Y-8H	5.43	3.54	0.0007	7.24	7.21	261
EX18S22	100Y-8H	5.43	2.80	0.0025	63.64	63.63	100
GWT-1	100Y-8H	99.00	2.43	0.0003	0.46	0.00	0
GWT-10	100Y-8H	99.00	2.43	0.0003	5.15	0.06	0
GWT-12	100Y-8H	99.00	2.43	0.0003	4.69	0.05	0
GWT-16	100Y-8H	99.00	2.43	0.0003	4.23	0.04	0
GWT-2	100Y-8H	99.00	2.43	0.0003	0.45	0.00	0
GWT-20	100Y-8H	99.00	2.43	0.0003	0.05	0.00	0
GWT-21	100Y-8H	99.00	2.43	0.0003	7.21	0.07	0
GWT-8	100Y-8H	99.00	2.43	0.0003	16.19	0.14	0
NLC	100Y-8H	99.00	2.43	0.0003	63.63	0.03	0
POND 18W1	100Y-8H	5.43	5.07	0.0009	94.21	36.40	169222
POND 18W2	100Y-8H	5.43	4.10	0.0004	27.78	27.94	14128
POND 18W3	100Y-8H	5.43	3.95	0.0704	29.51	71.37	8316
POND 18W4	100Y-8H	5.43	3.56	0.0002	31.29	30.98	15601
POND 18W5	100Y-8H	5.43	3.75	0.0687	44.10	69.68	6157
POND 18W6	100Y-8H	5.43	5.55	0.0008	30.28	22.86	29627
EX18S01	10Y-1H	6.25	4.03	0.0010	1.13	1.29	444
EX18S02	10Y-1H	6.06	4.03	0.0010	1.12	1.00	445
EX18S03	10Y-1H	4.40	4.03	0.0010	1.40	1.13	100
EX18S04	10Y-1H	5.30	4.03	0.0010	1.13	1.03	100
EX18S05	10Y-1H	5.43	4.03	0.0010	1.96	1.89	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX18S06	10Y-1H	5.43	4.03	0.0010	1.94	1.87	121
EX18S08	10Y-1H	5.43	4.01	0.0010	12.82	12.82	261
EX18S10	10Y-1H	5.43	3.68	0.0010	5.27	5.26	261
EX18S11	10Y-1H	5.43	3.66	0.0704	71.37	10.97	222
EX18S12	10Y-1H	5.43	3.64	0.0010	4.94	4.93	261
EX18S14	10Y-1H	5.43	3.60	0.0687	69.68	12.35	223
EX18S16	10Y-1H	5.43	3.57	0.0010	4.88	4.87	261
EX18S17	10Y-1H	5.43	1.81	0.0014	26.04	26.03	100
EX18S20	10Y-1H	5.43	4.87	0.0012	1.19	0.10	261
EX18S21	10Y-1H	5.43	3.38	0.0009	9.07	9.07	261
EX18S22	10Y-1H	5.43	1.67	0.0022	38.42	38.41	100
GWT-1	10Y-1H	99.00	1.43	0.0000	0.39	0.00	0
GWT-10	10Y-1H	99.00	1.43	0.0000	5.26	0.00	0
GWT-12	10Y-1H	99.00	1.43	0.0000	4.93	0.00	0
GWT-16	10Y-1H	99.00	1.43	0.0000	4.87	0.00	0
GWT-2	10Y-1H	99.00	1.43	0.0000	0.39	0.00	0
GWT-20	10Y-1H	99.00	1.43	0.0000	0.05	0.00	0
GWT-21	10Y-1H	99.00	1.43	0.0000	9.07	0.00	0
GWT-8	10Y-1H	99.00	1.43	0.0000	12.82	0.00	0
NLC	10Y-1H	99.00	1.43	0.0000	38.41	0.00	0
POND 18W1	10Y-1H	5.43	4.04	0.0007	125.71	21.65	150732
POND 18W2	10Y-1H	5.43	3.69	0.0007	24.16	15.58	13444
POND 18W3	10Y-1H	5.43	3.65	0.0704	17.60	71.37	7694
POND 18W4	10Y-1H	5.43	3.40	0.0006	22.81	22.13	14957
POND 18W5	10Y-1H	5.43	3.58	0.0687	31.03	69.68	5823
POND 18W6	10Y-1H	5.43	4.87	0.0010	40.24	15.51	27698
EX18S01	10Y-24H	6.25	3.51	0.0010	0.43	0.48	444
EX18S02	10Y-24H	6.06	3.51	0.0010	0.57	0.30	445
EX18S03	10Y-24H	4.40	3.51	0.0010	0.53	0.43	100
EX18S04	10Y-24H	5.30	3.51	0.0010	0.43	0.44	100
EX18S05	10Y-24H	5.43	3.51	0.0010	0.32	0.43	100
EX18S06	10Y-24H	5.43	3.51	0.0010	0.34	0.33	121
EX18S08	10Y-24H	5.43	3.49	0.0009	8.54	8.54	261

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX18S10	10Y-24H	5.43	3.19	0.0008	3.31	3.30	261
EX18S11	10Y-24H	5.43	3.15	0.0704	71.37	3.31	222
EX18S12	10Y-24H	5.43	3.14	0.0007	2.92	2.91	261
EX18S14	10Y-24H	5.43	3.14	0.0687	69.68	0.93	223
EX18S16	10Y-24H	5.43	3.13	0.0007	3.25	3.24	261
EX18S17	10Y-24H	5.43	2.43	0.0010	0.76	1.67	100
EX18S20	10Y-24H	5.43	3.85	0.0010	0.26	0.03	261
EX18S21	10Y-24H	5.43	3.16	0.0007	5.88	5.88	261
EX18S22	10Y-24H	5.43	2.43	0.0016	3.52	3.74	100
GWT-1	10Y-24H	99.00	2.43	0.0002	0.22	0.00	0
GWT-10	10Y-24H	99.00	2.43	0.0002	3.30	0.07	0
GWT-12	10Y-24H	99.00	2.43	0.0002	2.91	0.06	0
GWT-16	10Y-24H	99.00	2.43	0.0002	3.24	0.05	0
GWT-2	10Y-24H	99.00	2.43	0.0002	0.22	0.00	0
GWT-20	10Y-24H	99.00	2.43	0.0002	0.03	0.00	0
GWT-21	10Y-24H	99.00	2.43	0.0002	5.88	0.08	0
GWT-8	10Y-24H	99.00	2.43	0.0002	8.54	0.15	0
NLC	10Y-24H	99.00	2.43	0.0002	3.74	0.04	0
POND 18W1	10Y-24H	5.43	3.51	0.0002	20.44	12.30	141303
POND 18W2	10Y-24H	5.43	3.20	0.0001	5.32	5.25	12609
POND 18W3	10Y-24H	5.43	3.15	0.0704	4.15	71.37	6683
POND 18W4	10Y-24H	5.43	3.18	0.0001	7.87	7.76	14003
POND 18W5	10Y-24H	5.43	3.14	0.0687	4.58	69.68	4912
POND 18W6	10Y-24H	5.43	3.85	0.0005	6.66	5.92	24151
EX18S01	10Y-8H	6.25	4.39	0.0010	1.27	1.43	444
EX18S02	10Y-8H	6.06	4.39	0.0010	1.11	1.21	445
EX18S03	10Y-8H	4.40	4.39	0.0010	1.33	1.21	100
EX18S04	10Y-8H	5.30	4.38	0.0010	1.21	1.00	100
EX18S05	10Y-8H	5.43	4.38	0.0010	1.64	1.58	100
EX18S06	10Y-8H	5.43	4.38	0.0010	1.66	1.63	121
EX18S08	10Y-8H	5.43	4.35	0.0010	12.34	12.33	261
EX18S10	10Y-8H	5.43	3.71	0.0010	4.24	4.23	261
EX18S11	10Y-8H	5.43	3.67	0.0704	71.37	12.85	222

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX18S12	10Y-8H	5.43	3.64	0.0010	3.95	3.94	261
EX18S14	10Y-8H	5.43	3.59	0.0687	69.68	14.08	223
EX18S16	10Y-8H	5.43	3.54	0.0010	3.80	3.78	261
EX18S17	10Y-8H	5.43	2.50	0.0017	23.42	23.42	100
EX18S20	10Y-8H	5.43	4.90	0.0010	0.39	0.05	261
EX18S21	10Y-8H	5.43	3.42	0.0009	6.66	6.63	261
EX18S22	10Y-8H	5.43	2.43	0.0026	38.52	38.51	100
GWT-1	10Y-8H	99.00	2.43	0.0001	0.33	0.00	0
GWT-10	10Y-8H	99.00	2.43	0.0001	4.23	0.08	0
GWT-12	10Y-8H	99.00	2.43	0.0001	3.94	0.09	0
GWT-16	10Y-8H	99.00	2.43	0.0001	3.78	0.06	0
GWT-2	10Y-8H	99.00	2.43	0.0001	0.33	0.00	0
GWT-20	10Y-8H	99.00	2.43	0.0001	0.04	0.00	0
GWT-21	10Y-8H	99.00	2.43	0.0001	6.63	0.10	0
GWT-8	10Y-8H	99.00	2.43	0.0001	12.33	0.19	0
NLC	10Y-8H	99.00	2.43	0.0001	38.51	0.01	0
POND 18W1	10Y-8H	5.43	4.38	0.0004	66.31	24.10	156824
POND 18W2	10Y-8H	5.43	3.72	0.0005	16.71	16.95	13491
POND 18W3	10Y-8H	5.43	3.64	0.0704	17.57	71.37	7690
POND 18W4	10Y-8H	5.43	3.43	0.0003	21.78	21.50	15094
POND 18W5	10Y-8H	5.43	3.55	0.0687	27.25	69.68	5754
POND 18W6	10Y-8H	5.43	4.90	0.0006	21.42	15.83	27817
EX18S01	25Y-72H	6.25	5.66	0.0010	4.16	4.05	444
EX18S02	25Y-72H	6.06	5.60	0.0010	3.54	3.43	445
EX18S03	25Y-72H	4.40	5.54	0.0010	3.95	3.82	132
EX18S04	25Y-72H	5.30	5.47	0.0010	3.82	3.73	100
EX18S05	25Y-72H	5.43	5.37	0.0010	5.22	5.13	100
EX18S06	25Y-72H	5.43	5.02	0.0010	5.46	5.38	121
EX18S08	25Y-72H	5.43	4.95	0.0010	16.01	15.71	261
EX18S10	25Y-72H	5.43	4.21	0.0010	5.39	5.37	261
EX18S11	25Y-72H	5.43	4.18	0.0704	71.37	23.47	222
EX18S12	25Y-72H	5.43	4.09	0.0009	5.01	4.99	261
EX18S14	25Y-72H	5.43	4.03	0.0687	69.68	27.19	223

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX18S16	25Y-72H	5.43	3.91	0.0005	4.59	4.56	261
EX18S17	25Y-72H	5.43	3.53	0.0017	46.31	46.28	224
EX18S20	25Y-72H	5.43	5.69	0.0010	0.32	0.10	261
EX18S21	25Y-72H	5.43	3.59	0.0006	6.98	6.97	261
EX18S22	25Y-72H	5.43	3.07	0.0025	73.69	73.68	100
GWT-1	25Y-72H	99.00	2.43	0.0001	0.53	0.00	0
GWT-10	25Y-72H	99.00	2.43	0.0001	5.37	0.03	0
GWT-12	25Y-72H	99.00	2.43	0.0001	4.99	0.03	0
GWT-16	25Y-72H	99.00	2.43	0.0001	4.56	0.02	0
GWT-2	25Y-72H	99.00	2.43	0.0001	0.52	0.00	0
GWT-20	25Y-72H	99.00	2.43	0.0001	0.05	0.00	0
GWT-21	25Y-72H	99.00	2.43	0.0001	6.97	0.04	0
GWT-8	25Y-72H	99.00	2.43	0.0001	15.71	0.08	0
NLC	25Y-72H	99.00	2.43	0.0001	73.68	0.02	0
POND 18W1	25Y-72H	5.43	4.98	0.0010	149.75	35.40	167608
POND 18W2	25Y-72H	5.43	4.22	0.0010	26.86	28.52	14331
POND 18W3	25Y-72H	5.43	4.10	0.0704	30.41	71.37	8616
POND 18W4	25Y-72H	5.43	3.60	0.0003	35.26	34.51	15790
POND 18W5	25Y-72H	5.43	3.92	0.0687	52.12	69.68	6506
POND 18W6	25Y-72H	5.43	5.69	0.0010	47.83	24.45	29627

Link Min/Max Conditions [System 18 - Pre Dev]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX18PONDW1_PONDW2	100Y-1H	16.50	-5.20	0.16	2.89	5.45	4.04
EX18PONDW6_PONDW4	100Y-1H	24.12	0.00	0.02	4.91	6.91	5.91
EX18S01_18GW01	100Y-1H	0.50	0.00	0.00	0.00	0.00	0.00
EX18S01_S02	100Y-1H	1.86	-0.75	0.70	0.59	0.59	0.59
EX18S02_18GW02	100Y-1H	0.50	0.00	0.00	0.00	0.00	0.00
EX18S02_S03	100Y-1H	1.31	-1.26	-0.62	0.74	0.74	0.74
EX18S03_S04	100Y-1H	2.39	-1.06	0.78	1.35	1.35	1.35
EX18S04_S05	100Y-1H	2.29	-0.90	-0.65	1.30	1.30	1.30
EX18S05_S06	100Y-1H	3.70	-0.80	0.44	2.09	2.09	2.09
EX18S06_PONDW1	100Y-1H	3.73	-0.78	-0.27	2.11	-2.55	2.22
EX18S08_18GW08	100Y-1H	15.45	0.00	0.01	0.00	0.00	0.00
EX18S08_WEIR	100Y-1H	15.45	0.00	0.01	1.55	1.55	1.55
EX18S10_18GW10	100Y-1H	6.02	0.00	0.00	0.00	0.00	0.00
EX18S10_WEIR	100Y-1H	6.03	0.00	0.01	1.23	1.23	1.23
EX18S11_PONDW3	100Y-1H	20.90	-71.37	8.74	-5.68	-5.68	-5.68
EX18S11_WEIR	100Y-1H	20.84	-13.54	0.89	-1.76	-1.76	-1.76
EX18S12_18GW12	100Y-1H	5.62	0.00	0.00	0.00	0.00	0.00
EX18S12_WEIR	100Y-1H	5.63	0.00	-0.03	1.17	1.17	1.17
EX18S14_PONDW5	100Y-1H	25.06	-69.68	8.44	-5.55	-5.55	-5.55
EX18S14_WEIR	100Y-1H	25.02	-8.94	0.04	-1.53	-1.53	-1.53
EX18S16_18GW16	100Y-1H	5.34	0.00	0.00	0.00	0.00	0.00
EX18S16_WEIR	100Y-1H	5.35	0.00	-0.02	1.22	1.22	1.22
EX18S17_EX18S22	100Y-1H	48.27	-0.40	4.25	3.84	3.84	3.84
EX18S17_WEIR	100Y-1H	48.28	0.00	-0.04	2.76	2.76	2.76
EX18S20_18GW20	100Y-1H	0.06	0.00	0.00	0.00	0.00	0.00
EX18S20_WEIR	100Y-1H	1.28	-0.09	-0.03	0.86	0.86	0.86
EX18S21_18GW21	100Y-1H	9.82	0.00	-0.01	0.00	0.00	0.00
EX18S21_WEIR	100Y-1H	9.82	0.00	0.00	1.38	1.38	1.38
EX18S22_NLC	100Y-1H	72.39	0.00	-3.74	5.76	5.76	5.76
EX18S22_WEIR	100Y-1H	24.81	0.00	0.03	2.21	2.21	2.21

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX18PONDW1_PONDW2	100Y-24H	8.62	0.00	-0.11	2.19	4.37	3.27
EX18PONDW6_PONDW4	100Y-24H	9.09	0.00	0.00	2.43	4.92	3.68
EX18S01_18GW01	100Y-24H	0.31	0.00	0.00	0.00	0.00	0.00
EX18S01_S02	100Y-24H	0.77	-0.24	0.57	0.24	0.24	0.24
EX18S02_18GW02	100Y-24H	0.31	0.00	0.00	0.00	0.00	0.00
EX18S02_S03	100Y-24H	0.45	-0.58	-0.47	-0.33	-0.33	-0.33
EX18S03_S04	100Y-24H	0.78	-0.57	0.70	0.44	0.44	0.44
EX18S04_S05	100Y-24H	0.66	-0.56	-0.54	0.38	0.38	0.38
EX18S05_S06	100Y-24H	0.71	-0.36	0.38	0.40	0.40	0.40
EX18S06_PONDW1	100Y-24H	0.74	-0.21	-0.29	-0.54	-1.86	-1.17
EX18S08_18GW08	100Y-24H	11.44	-0.09	-0.09	0.00	0.00	0.00
EX18S08_WEIR	100Y-24H	11.44	0.00	0.01	1.48	1.48	1.48
EX18S10_18GW10	100Y-24H	3.94	-0.04	-0.04	0.00	0.00	0.00
EX18S10_WEIR	100Y-24H	3.95	0.00	0.00	1.09	1.09	1.09
EX18S11_PONDW3	100Y-24H	7.42	-71.37	8.74	-5.68	-5.68	-5.68
EX18S11_WEIR	100Y-24H	7.41	0.00	0.04	1.05	1.05	1.05
EX18S12_18GW12	100Y-24H	3.64	-0.04	-0.04	0.00	0.00	0.00
EX18S12_WEIR	100Y-24H	3.64	0.00	0.03	1.01	1.01	1.01
EX18S14_PONDW5	100Y-24H	6.53	-69.68	8.44	-5.55	-5.55	-5.55
EX18S14_WEIR	100Y-24H	6.52	-0.95	-0.17	0.95	0.95	0.95
EX18S16_18GW16	100Y-24H	3.58	-0.03	-0.03	0.00	0.00	0.00
EX18S16_WEIR	100Y-24H	3.58	0.00	-0.04	1.08	1.08	1.08
EX18S17_EX18S22	100Y-24H	9.78	-0.12	4.55	0.78	0.78	0.78
EX18S17_WEIR	100Y-24H	9.50	0.00	0.00	1.61	1.61	1.61
EX18S20_18GW20	100Y-24H	0.03	0.00	0.00	0.00	0.00	0.00
EX18S20_WEIR	100Y-24H	0.27	0.00	-0.01	0.03	0.03	0.03
EX18S21_18GW21	100Y-24H	6.48	-0.05	-0.05	0.00	0.00	0.00
EX18S21_WEIR	100Y-24H	6.48	0.00	0.00	1.28	1.28	1.28
EX18S22_NLC	100Y-24H	15.23	0.00	-3.57	1.21	1.21	1.21
EX18S22_WEIR	100Y-24H	5.73	0.00	0.00	1.36	1.36	1.36
EX18PONDW1_PON	100Y-8H	20.30	0.00	0.02	3.14	5.95	4.47

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW2							
EX18PONDW6_PONDW4	100Y-8H	22.82	0.00	0.01	4.65	6.75	5.70
EX18S01_18GW01	100Y-8H	0.46	0.00	0.00	0.00	0.00	0.00
EX18S01_S02	100Y-8H	1.70	-0.49	0.79	0.54	0.54	0.54
EX18S02_18GW02	100Y-8H	0.45	0.00	0.00	0.00	0.00	0.00
EX18S02_S03	100Y-8H	1.22	-0.77	0.71	0.69	0.69	0.69
EX18S03_S04	100Y-8H	1.81	-0.85	0.84	1.03	1.03	1.03
EX18S04_S05	100Y-8H	1.77	-0.77	-0.66	1.00	1.00	1.00
EX18S05_S06	100Y-8H	2.66	-0.58	-0.39	1.51	1.51	1.51
EX18S06_PONDW1	100Y-8H	2.78	-0.52	0.30	1.57	-2.35	1.57
EX18S08_18GW08	100Y-8H	16.19	-0.14	-0.14	0.00	0.00	0.00
EX18S08_WEIR	100Y-8H	16.23	0.00	1.69	1.49	1.49	1.49
EX18S10_18GW10	100Y-8H	5.15	-0.06	-0.06	0.00	0.00	0.00
EX18S10_WEIR	100Y-8H	5.17	0.00	-0.01	1.12	1.12	1.12
EX18S11_PONDW3	100Y-8H	22.92	-71.37	8.74	-5.68	-5.68	-5.68
EX18S11_WEIR	100Y-8H	22.90	-1.17	0.56	1.15	1.15	1.15
EX18S12_18GW12	100Y-8H	4.69	-0.05	-0.05	0.00	0.00	0.00
EX18S12_WEIR	100Y-8H	4.76	0.00	-0.16	1.08	1.08	1.08
EX18S14_PONDW5	100Y-8H	25.45	-69.68	8.44	-5.55	-5.55	-5.55
EX18S14_WEIR	100Y-8H	25.43	-1.94	0.48	1.33	1.33	1.33
EX18S16_18GW16	100Y-8H	4.23	-0.04	-0.04	0.00	0.00	0.00
EX18S16_WEIR	100Y-8H	4.26	0.00	-0.04	1.12	1.12	1.12
EX18S17_EX18S22	100Y-8H	39.67	-0.15	4.46	3.16	3.16	3.16
EX18S17_WEIR	100Y-8H	39.69	0.00	-0.03	2.58	2.58	2.58
EX18S20_18GW20	100Y-8H	0.05	0.00	0.00	0.00	0.00	0.00
EX18S20_WEIR	100Y-8H	0.28	-0.04	-0.02	0.03	0.03	0.03
EX18S21_18GW21	100Y-8H	7.21	-0.07	-0.07	0.00	0.00	0.00
EX18S21_WEIR	100Y-8H	7.24	0.00	0.00	1.29	1.29	1.29
EX18S22_NLC	100Y-8H	63.63	-0.03	-3.54	5.06	5.06	5.06
EX18S22_WEIR	100Y-8H	24.02	0.00	0.01	2.19	2.19	2.19
EX18PONDW1_PONDW2	10Y-1H	8.62	-3.62	0.10	2.26	4.41	3.21

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX18PONDW6_PONDW4	10Y-1H	15.46	0.00	0.01	3.18	5.84	4.51
EX18S01_18GW01	10Y-1H	0.39	0.00	0.00	0.00	0.00	0.00
EX18S01_S02	10Y-1H	0.94	-0.65	0.59	0.30	0.30	0.30
EX18S02_18GW02	10Y-1H	0.39	0.00	0.00	0.00	0.00	0.00
EX18S02_S03	10Y-1H	0.61	-1.12	-0.71	-0.63	-0.63	-0.63
EX18S03_S04	10Y-1H	1.13	-1.03	0.81	0.64	0.64	0.64
EX18S04_S05	10Y-1H	1.02	-0.87	-0.64	0.58	0.58	0.58
EX18S05_S06	10Y-1H	1.89	-0.67	0.37	1.07	1.07	1.07
EX18S06_PONDW1	10Y-1H	1.87	-0.76	-0.20	1.49	-2.59	-1.73
EX18S08_18GW08	10Y-1H	12.82	0.00	0.01	0.00	0.00	0.00
EX18S08_WEIR	10Y-1H	12.82	0.00	0.01	1.55	1.55	1.55
EX18S10_18GW10	10Y-1H	5.26	0.00	0.00	0.00	0.00	0.00
EX18S10_WEIR	10Y-1H	5.27	0.00	0.00	1.22	1.22	1.22
EX18S11_PONDW3	10Y-1H	10.50	-71.37	8.74	-5.68	-5.68	-5.68
EX18S11_WEIR	10Y-1H	10.46	-10.97	0.79	-1.65	-1.65	-1.65
EX18S12_18GW12	10Y-1H	4.93	0.00	0.00	0.00	0.00	0.00
EX18S12_WEIR	10Y-1H	4.94	0.00	0.03	1.16	1.16	1.16
EX18S14_PONDW5	10Y-1H	12.35	-69.68	8.44	-5.55	-5.55	-5.55
EX18S14_WEIR	10Y-1H	12.31	-7.79	-0.72	-1.45	-1.45	-1.45
EX18S16_18GW16	10Y-1H	4.87	0.00	0.00	0.00	0.00	0.00
EX18S16_WEIR	10Y-1H	4.88	0.00	-0.04	1.21	1.21	1.21
EX18S17_EX18S22	10Y-1H	26.03	-0.47	-4.10	2.07	2.07	2.07
EX18S17_WEIR	10Y-1H	26.04	0.00	0.02	2.25	2.25	2.25
EX18S20_18GW20	10Y-1H	0.05	0.00	0.00	0.00	0.00	0.00
EX18S20_WEIR	10Y-1H	1.19	-0.06	-0.04	0.84	0.84	0.84
EX18S21_18GW21	10Y-1H	9.07	0.00	0.00	0.00	0.00	0.00
EX18S21_WEIR	10Y-1H	9.07	0.00	0.00	1.38	1.38	1.38
EX18S22_NLC	10Y-1H	38.41	0.00	-3.68	3.06	3.06	3.06
EX18S22_WEIR	10Y-1H	13.06	0.00	0.02	1.79	1.79	1.79
EX18PONDW1_PONDW2	10Y-24H	3.87	0.00	0.00	1.71	3.22	2.28
EX18PONDW6_PON	10Y-24H	5.89	0.00	0.00	2.06	4.33	3.20

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW4							
EX18S01_18GW01	10Y-24H	0.22	0.00	0.00	0.00	0.00	0.00
EX18S01_S02	10Y-24H	0.29	-0.21	0.29	0.09	0.09	0.09
EX18S02_18GW02	10Y-24H	0.22	0.00	0.00	0.00	0.00	0.00
EX18S02_S03	10Y-24H	0.05	-0.43	-0.38	-0.24	-0.24	-0.24
EX18S03_S04	10Y-24H	0.13	-0.44	0.45	-0.25	-0.25	-0.25
EX18S04_S05	10Y-24H	0.12	-0.43	-0.43	-0.25	-0.25	-0.25
EX18S05_S06	10Y-24H	0.31	-0.29	-0.24	0.18	0.18	0.18
EX18S06_PONDW1	10Y-24H	0.33	-0.15	0.05	-0.43	-1.65	-1.02
EX18S08_18GW08	10Y-24H	8.54	-0.15	-0.15	0.00	0.00	0.00
EX18S08_WEIR	10Y-24H	8.54	0.00	0.01	1.45	1.45	1.45
EX18S10_18GW10	10Y-24H	3.30	-0.07	-0.07	0.00	0.00	0.00
EX18S10_WEIR	10Y-24H	3.31	0.00	0.00	1.04	1.04	1.04
EX18S11_PONDW3	10Y-24H	3.31	-71.37	8.74	-5.68	-5.68	-5.68
EX18S11_WEIR	10Y-24H	2.22	0.00	0.03	0.94	0.94	0.94
EX18S12_18GW12	10Y-24H	2.91	-0.06	-0.06	0.00	0.00	0.00
EX18S12_WEIR	10Y-24H	2.92	0.00	0.04	0.96	0.96	0.96
EX18S14_PONDW5	10Y-24H	0.93	-69.68	8.44	-5.55	-5.55	-5.55
EX18S14_WEIR	10Y-24H	0.72	-0.72	0.00	0.53	0.53	0.53
EX18S16_18GW16	10Y-24H	3.24	-0.05	-0.05	0.00	0.00	0.00
EX18S16_WEIR	10Y-24H	3.25	0.00	0.01	1.04	1.04	1.04
EX18S17_EX18S22	10Y-24H	1.67	-0.19	-1.66	0.13	0.13	0.13
EX18S17_WEIR	10Y-24H	0.76	0.00	0.00	0.00	0.00	0.00
EX18S20_18GW20	10Y-24H	0.03	0.00	0.00	0.00	0.00	0.00
EX18S20_WEIR	10Y-24H	0.26	0.00	-0.01	0.02	0.02	0.02
EX18S21_18GW21	10Y-24H	5.88	-0.08	-0.08	0.00	0.00	0.00
EX18S21_WEIR	10Y-24H	5.88	0.00	0.00	1.23	1.23	1.23
EX18S22_NLC	10Y-24H	3.74	-0.04	2.26	0.30	0.30	0.30
EX18S22_WEIR	10Y-24H	1.94	0.00	0.00	0.94	0.94	0.94
EX18PONDW1_PONDW2	10Y-8H	11.76	0.00	0.01	2.50	4.93	3.65
EX18PONDW6_PONDW4	10Y-8H	15.79	0.00	0.01	3.23	5.88	4.56

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX18S01_18GW01	10Y-8H	0.33	0.00	0.00	0.00	0.00	0.00
EX18S01_S02	10Y-8H	1.11	-0.39	0.74	0.35	0.35	0.35
EX18S02_18GW02	10Y-8H	0.33	0.00	0.00	0.00	0.00	0.00
EX18S02_S03	10Y-8H	0.89	-0.71	-0.72	0.50	0.50	0.50
EX18S03_S04	10Y-8H	1.21	-0.78	0.78	0.69	0.69	0.69
EX18S04_S05	10Y-8H	1.00	-0.72	-0.69	0.57	0.57	0.57
EX18S05_S06	10Y-8H	1.58	-0.55	-0.43	0.89	0.89	0.89
EX18S06_PONDW1	10Y-8H	1.63	-0.44	0.29	0.92	-2.26	-1.47
EX18S08_18GW08	10Y-8H	12.33	-0.19	-0.19	0.00	0.00	0.00
EX18S08_WEIR	10Y-8H	12.34	0.00	0.01	1.49	1.49	1.49
EX18S10_18GW10	10Y-8H	4.23	-0.08	-0.08	0.00	0.00	0.00
EX18S10_WEIR	10Y-8H	4.24	0.00	0.00	1.10	1.10	1.10
EX18S11_PONDW3	10Y-8H	12.85	-71.37	8.74	-5.68	-5.68	-5.68
EX18S11_WEIR	10Y-8H	12.83	-4.20	0.38	-1.14	-1.14	-1.14
EX18S12_18GW12	10Y-8H	3.94	-0.09	-0.09	0.00	0.00	0.00
EX18S12_WEIR	10Y-8H	3.95	0.00	0.03	1.05	1.05	1.05
EX18S14_PONDW5	10Y-8H	14.08	-69.68	8.44	-5.55	-5.55	-5.55
EX18S14_WEIR	10Y-8H	14.07	-3.55	-0.47	1.14	1.14	1.14
EX18S16_18GW16	10Y-8H	3.78	-0.06	-0.06	0.00	0.00	0.00
EX18S16_WEIR	10Y-8H	3.80	0.00	-0.04	1.10	1.10	1.10
EX18S17_EX18S22	10Y-8H	23.42	-0.01	4.41	1.86	1.86	1.86
EX18S17_WEIR	10Y-8H	23.42	0.00	0.02	2.17	2.17	2.17
EX18S20_18GW20	10Y-8H	0.04	0.00	0.00	0.00	0.00	0.00
EX18S20_WEIR	10Y-8H	0.39	-0.03	-0.02	0.04	0.04	0.04
EX18S21_18GW21	10Y-8H	6.63	-0.10	-0.10	0.00	0.00	0.00
EX18S21_WEIR	10Y-8H	6.66	0.00	0.00	1.27	1.27	1.27
EX18S22_NLC	10Y-8H	38.51	-0.01	-3.44	3.06	3.06	3.06
EX18S22_WEIR	10Y-8H	15.15	0.00	0.01	1.88	1.88	1.88
EX18PONDW1_PONDW2	25Y-72H	19.72	0.00	0.02	3.12	5.80	4.33
EX18PONDW6_PONDW4	25Y-72H	24.40	0.00	0.02	4.97	6.94	5.96
EX18S01_18GW01	25Y-72H	0.53	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX18S01_S02	25Y-72H	3.54	-0.18	0.71	1.13	1.13	1.13
EX18S02_18GW02	25Y-72H	0.52	0.00	0.00	0.00	0.00	0.00
EX18S02_S03	25Y-72H	2.93	-0.70	0.72	1.66	1.66	1.66
EX18S03_S04	25Y-72H	3.82	-0.72	0.73	2.16	2.16	2.16
EX18S04_S05	25Y-72H	3.73	-0.67	-0.67	2.11	2.11	2.11
EX18S05_S06	25Y-72H	5.13	-0.38	-0.38	2.91	2.91	2.91
EX18S06_PONDW1	25Y-72H	5.38	-0.26	0.29	3.04	3.04	3.04
EX18S08_18GW08	25Y-72H	15.71	-0.08	-0.08	0.00	0.00	0.00
EX18S08_WEIR	25Y-72H	16.01	0.00	1.39	1.37	1.37	1.37
EX18S10_18GW10	25Y-72H	5.37	-0.03	-0.03	0.00	0.00	0.00
EX18S10_WEIR	25Y-72H	5.39	0.00	-0.01	1.00	1.00	1.00
EX18S11_PONDW3	25Y-72H	23.47	-71.37	8.74	-5.68	-5.68	-5.68
EX18S11_WEIR	25Y-72H	23.42	-7.82	0.46	-1.43	-1.43	-1.43
EX18S12_18GW12	25Y-72H	4.99	-0.03	-0.03	0.00	0.00	0.00
EX18S12_WEIR	25Y-72H	5.01	0.00	0.04	0.94	0.94	0.94
EX18S14_PONDW5	25Y-72H	27.19	-69.68	8.44	-5.55	-5.55	-5.55
EX18S14_WEIR	25Y-72H	27.14	-6.10	0.60	1.35	1.35	1.35
EX18S16_18GW16	25Y-72H	4.56	-0.02	-0.02	0.00	0.00	0.00
EX18S16_WEIR	25Y-72H	4.59	0.00	-0.04	0.99	0.99	0.99
EX18S17_EX18S22	25Y-72H	46.28	-0.10	4.60	3.68	3.68	3.68
EX18S17_WEIR	25Y-72H	46.31	0.00	0.04	2.60	2.60	2.60
EX18S20_18GW20	25Y-72H	0.05	0.00	0.00	0.00	0.00	0.00
EX18S20_WEIR	25Y-72H	0.32	-0.06	-0.01	0.02	0.02	0.02
EX18S21_18GW21	25Y-72H	6.97	-0.04	-0.04	0.00	0.00	0.00
EX18S21_WEIR	25Y-72H	6.98	0.00	0.00	1.16	1.16	1.16
EX18S22_NLC	25Y-72H	73.68	-0.02	-3.60	5.86	5.86	5.86
EX18S22_WEIR	25Y-72H	27.54	0.00	0.02	2.29	2.29	2.29

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S01	100Y-1H	10360	10329	30
EX18S01	100Y-24H	26952	26939	13
EX18S01	100Y-8H	18654	18626	29
EX18S01	10Y-1H	6222	6181	41
EX18S01	10Y-24H	15200	15199	0
EX18S01	10Y-8H	11749	11742	7
EX18S01	25Y-72H	29406	29284	122

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S02	100Y-1H	14652	14707	-56
EX18S02	100Y-24H	21592	21522	70
EX18S02	100Y-8H	19245	19265	-20
EX18S02	10Y-1H	9601	9676	-75
EX18S02	10Y-24H	14675	14527	148
EX18S02	10Y-8H	13143	13110	33
EX18S02	25Y-72H	28251	27805	446

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S03	100Y-1H	15251	15186	65
EX18S03	100Y-24H	15711	15633	78
EX18S03	100Y-8H	19081	18927	153
EX18S03	10Y-1H	9937	9857	80
EX18S03	10Y-24H	12103	12083	20
EX18S03	10Y-8H	13056	12969	88
EX18S03	25Y-72H	27175	27120	55

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S04	100Y-1H	13973	14010	-37
EX18S04	100Y-24H	10350	10353	-3
EX18S04	100Y-8H	16523	16606	-83
EX18S04	10Y-1H	8717	8756	-39
EX18S04	10Y-24H	7474	7470	4
EX18S04	10Y-8H	11047	11124	-77

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S04	25Y-72H	21736	21711	25

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S05	100Y-1H	16196	16200	-4
EX18S05	100Y-24H	17722	17861	-139
EX18S05	100Y-8H	21356	21440	-84
EX18S05	10Y-1H	9783	9793	-10
EX18S05	10Y-24H	10047	10205	-158
EX18S05	10Y-8H	13900	13952	-51
EX18S05	25Y-72H	26674	26898	-224

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S06	100Y-1H	15338	15332	5
EX18S06	100Y-24H	16456	16474	-19
EX18S06	100Y-8H	19939	19931	8
EX18S06	10Y-1H	8879	8872	6
EX18S06	10Y-24H	7021	7035	-14
EX18S06	10Y-8H	12441	12439	1
EX18S06	25Y-72H	21718	21671	47

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S08	100Y-1H	278986	278986	0
EX18S08	100Y-24H	753174	753174	0
EX18S08	100Y-8H	460961	460960	0
EX18S08	10Y-1H	213651	213651	0
EX18S08	10Y-24H	563550	563549	0
EX18S08	10Y-8H	359119	359119	0
EX18S08	25Y-72H	883779	883717	61

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S10	100Y-1H	80164	80164	0
EX18S10	100Y-24H	225391	225391	0
EX18S10	100Y-8H	127110	127110	0
EX18S10	10Y-1H	58479	58479	0
EX18S10	10Y-24H	167784	167784	0
EX18S10	10Y-8H	100557	100557	0
EX18S10	25Y-72H	196451	196418	33

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S11	100Y-1H	88953	88880	72
EX18S11	100Y-24H	226649	226623	27
EX18S11	100Y-8H	268504	268419	86
EX18S11	10Y-1H	33800	33715	86
EX18S11	10Y-24H	52756	52922	-166
EX18S11	10Y-8H	139538	139463	75
EX18S11	25Y-72H	229611	229627	-15

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S12	100Y-1H	47843	47843	0
EX18S12	100Y-24H	176006	176007	0
EX18S12	100Y-8H	98335	98335	0
EX18S12	10Y-1H	29452	29452	0
EX18S12	10Y-24H	118017	118017	0
EX18S12	10Y-8H	76047	76047	0
EX18S12	25Y-72H	145891	145858	33

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S14	100Y-1H	79061	78965	97
EX18S14	100Y-24H	162814	162712	102
EX18S14	100Y-8H	256106	256028	78
EX18S14	10Y-1H	30563	30461	101
EX18S14	10Y-24H	10290	10192	98
EX18S14	10Y-8H	123020	122922	98
EX18S14	25Y-72H	203087	202993	94

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S16	100Y-1H	35568	35568	0
EX18S16	100Y-24H	209769	209769	0
EX18S16	100Y-8H	92552	92552	0
EX18S16	10Y-1H	24217	24217	0
EX18S16	10Y-24H	155815	155815	0
EX18S16	10Y-8H	78141	78141	0
EX18S16	25Y-72H	207821	207788	33

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S17	100Y-1H	123200	123238	-38
EX18S17	100Y-24H	193015	193537	-523
EX18S17	100Y-8H	324899	325016	-116
EX18S17	10Y-1H	57566	57580	-14
EX18S17	10Y-24H	9336	9671	-335
EX18S17	10Y-8H	156191	156334	-143
EX18S17	25Y-72H	251508	251635	-127

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S20	100Y-1H	2170	2032	138
EX18S20	100Y-24H	3022	2887	135
EX18S20	100Y-8H	2410	2274	136
EX18S20	10Y-1H	1960	1823	138
EX18S20	10Y-24H	2729	2594	135
EX18S20	10Y-8H	2184	2048	136
EX18S20	25Y-72H	5449	5311	138

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S21	100Y-1H	97005	97005	0
EX18S21	100Y-24H	364410	364410	0
EX18S21	100Y-8H	153176	153176	0
EX18S21	10Y-1H	83230	83230	0
EX18S21	10Y-24H	285228	285228	0
EX18S21	10Y-8H	131854	131854	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S21	25Y-72H	357578	357517	61

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S22	100Y-1H	194745	194688	57
EX18S22	100Y-24H	291626	291071	555
EX18S22	100Y-8H	499267	499232	35
EX18S22	10Y-1H	88242	88219	23
EX18S22	10Y-24H	26042	25901	141
EX18S22	10Y-8H	253089	252988	100
EX18S22	25Y-72H	391697	391548	148

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-1	100Y-1H	7509	0	7509
GWT-1	100Y-24H	17923	1	17921
GWT-1	100Y-8H	11188	3	11185
GWT-1	10Y-1H	5346	0	5346
GWT-1	10Y-24H	12176	3	12173
GWT-1	10Y-8H	8227	6	8221
GWT-1	25Y-72H	18162	1	18160

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-10	100Y-1H	80164	0	80164
GWT-10	100Y-24H	225391	1	225390
GWT-10	100Y-8H	127110	1	127108
GWT-10	10Y-1H	58479	0	58479
GWT-10	10Y-24H	167784	1	167782
GWT-10	10Y-8H	100557	2	100556
GWT-10	25Y-72H	196418	1	196417

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-12	100Y-1H	47843	0	47843
GWT-12	100Y-24H	176007	1	176006
GWT-12	100Y-8H	98335	1	98334
GWT-12	10Y-1H	29452	0	29452
GWT-12	10Y-24H	118017	2	118015
GWT-12	10Y-8H	76047	3	76044
GWT-12	25Y-72H	145858	1	145858

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-16	100Y-1H	35568	0	35568
GWT-16	100Y-24H	209769	1	209768
GWT-16	100Y-8H	92552	1	92551
GWT-16	10Y-1H	24217	0	24217
GWT-16	10Y-24H	155815	1	155814
GWT-16	10Y-8H	78141	1	78140
GWT-16	25Y-72H	207788	1	207787

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-2	100Y-1H	7513	0	7513
GWT-2	100Y-24H	17920	1	17919
GWT-2	100Y-8H	11187	3	11185
GWT-2	10Y-1H	5352	0	5352
GWT-2	10Y-24H	12180	3	12177
GWT-2	10Y-8H	8232	6	8227
GWT-2	25Y-72H	18157	1	18155

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-20	100Y-1H	1718	0	1718
GWT-20	100Y-24H	2879	0	2879
GWT-20	100Y-8H	2052	0	2052
GWT-20	10Y-1H	1646	0	1646
GWT-20	10Y-24H	2592	0	2592
GWT-20	10Y-8H	1909	0	1909
GWT-20	25Y-72H	5049	0	5049

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-21	100Y-1H	97005	0	97005
GWT-21	100Y-24H	364410	2	364408
GWT-21	100Y-8H	153176	3	153173
GWT-21	10Y-1H	83230	0	83230
GWT-21	10Y-24H	285228	3	285225
GWT-21	10Y-8H	131854	4	131850
GWT-21	25Y-72H	357517	1	357515

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-8	100Y-1H	278986	0	278986
GWT-8	100Y-24H	753174	2	753172
GWT-8	100Y-8H	460960	3	460957
GWT-8	10Y-1H	213651	0	213651
GWT-8	10Y-24H	563549	3	563547
GWT-8	10Y-8H	359119	4	359115
GWT-8	25Y-72H	883717	2	883716

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
NLC	100Y-1H	194651	33	194619
NLC	100Y-24H	291019	82	290937
NLC	100Y-8H	499189	55	499134
NLC	10Y-1H	88179	34	88144
NLC	10Y-24H	25816	144	25673
NLC	10Y-8H	252936	72	252864
NLC	25Y-72H	391479	116	391363

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 18W1	100Y-1H	406142	404589	1553
POND 18W1	100Y-24H	1091143	1089639	1503
POND 18W1	100Y-8H	777785	776272	1512
POND 18W1	10Y-1H	275404	273871	1534
POND 18W1	10Y-24H	710202	708718	1484
POND 18W1	10Y-8H	542867	541362	1505

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 18W1	25Y-72H	1181751	1180256	1495

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 18W2	100Y-1H	165993	165905	87
POND 18W2	100Y-24H	452031	451908	122
POND 18W2	100Y-8H	394380	394271	109
POND 18W2	10Y-1H	88936	88850	86
POND 18W2	10Y-24H	220504	220382	122
POND 18W2	10Y-8H	238002	237894	108
POND 18W2	25Y-72H	423551	423425	126

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 18W3	100Y-1H	127623	127547	76
POND 18W3	100Y-24H	336147	336027	119
POND 18W3	100Y-8H	349324	349264	60
POND 18W3	10Y-1H	60322	60259	63
POND 18W3	10Y-24H	125704	125402	302
POND 18W3	10Y-8H	195843	195771	72
POND 18W3	25Y-72H	347080	346918	162

Node Mass Balance Condensed [System 18 - Pre Dev]

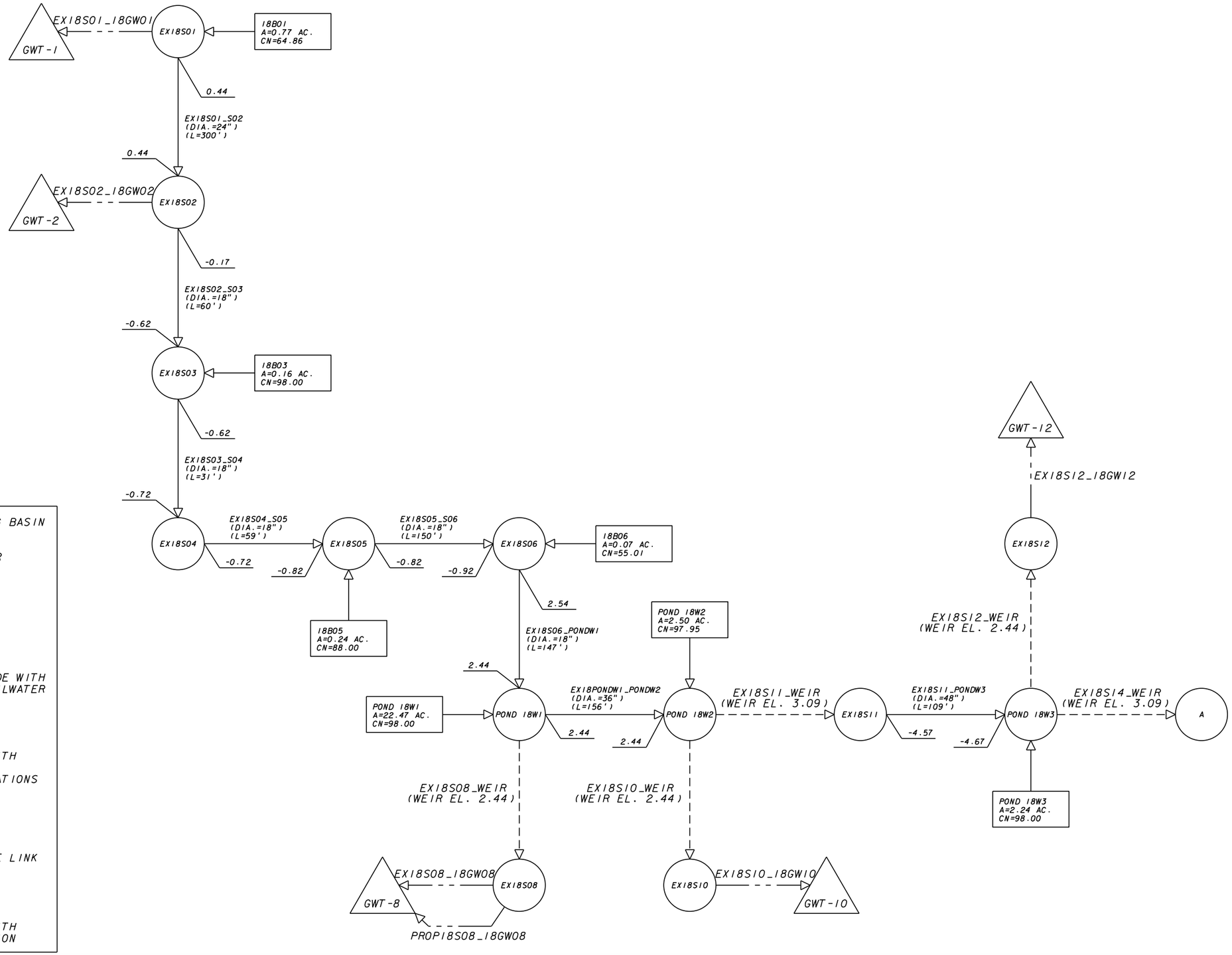
Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 18W4	100Y-1H	168618	168479	139
POND 18W4	100Y-24H	462556	462415	141
POND 18W4	100Y-8H	327512	327370	142
POND 18W4	10Y-1H	113992	113858	134
POND 18W4	10Y-24H	301591	301452	139
POND 18W4	10Y-8H	228673	228533	140
POND 18W4	25Y-72H	497674	497522	152

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 18W5	100Y-1H	164285	164247	38
POND 18W5	100Y-24H	405684	405654	29
POND 18W5	100Y-8H	423978	423924	54
POND 18W5	10Y-1H	87124	87092	32
POND 18W5	10Y-24H	168158	168125	34
POND 18W5	10Y-8H	239807	239773	35
POND 18W5	25Y-72H	463994	463956	38

Node Mass Balance Condensed [System 18 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 18W6	100Y-1H	131961	130377	1584
POND 18W6	100Y-24H	357293	355901	1391
POND 18W6	100Y-8H	253588	252146	1442
POND 18W6	10Y-1H	89953	88394	1559
POND 18W6	10Y-24H	233886	232525	1361
POND 18W6	10Y-8H	177753	176334	1419
POND 18W6	25Y-72H	386237	384640	1597



SYSTEM 18

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JUAN C. GARCIA, P.E.
P.E. No.: 46597
AECOM TECHNICAL SERVICES, INC.
7650 CORPORATE CENTER DRIVE, SUITE 400
MIAMI, FL 33126-1220
CERTIFICATE OF AUTHORIZATION: 8115

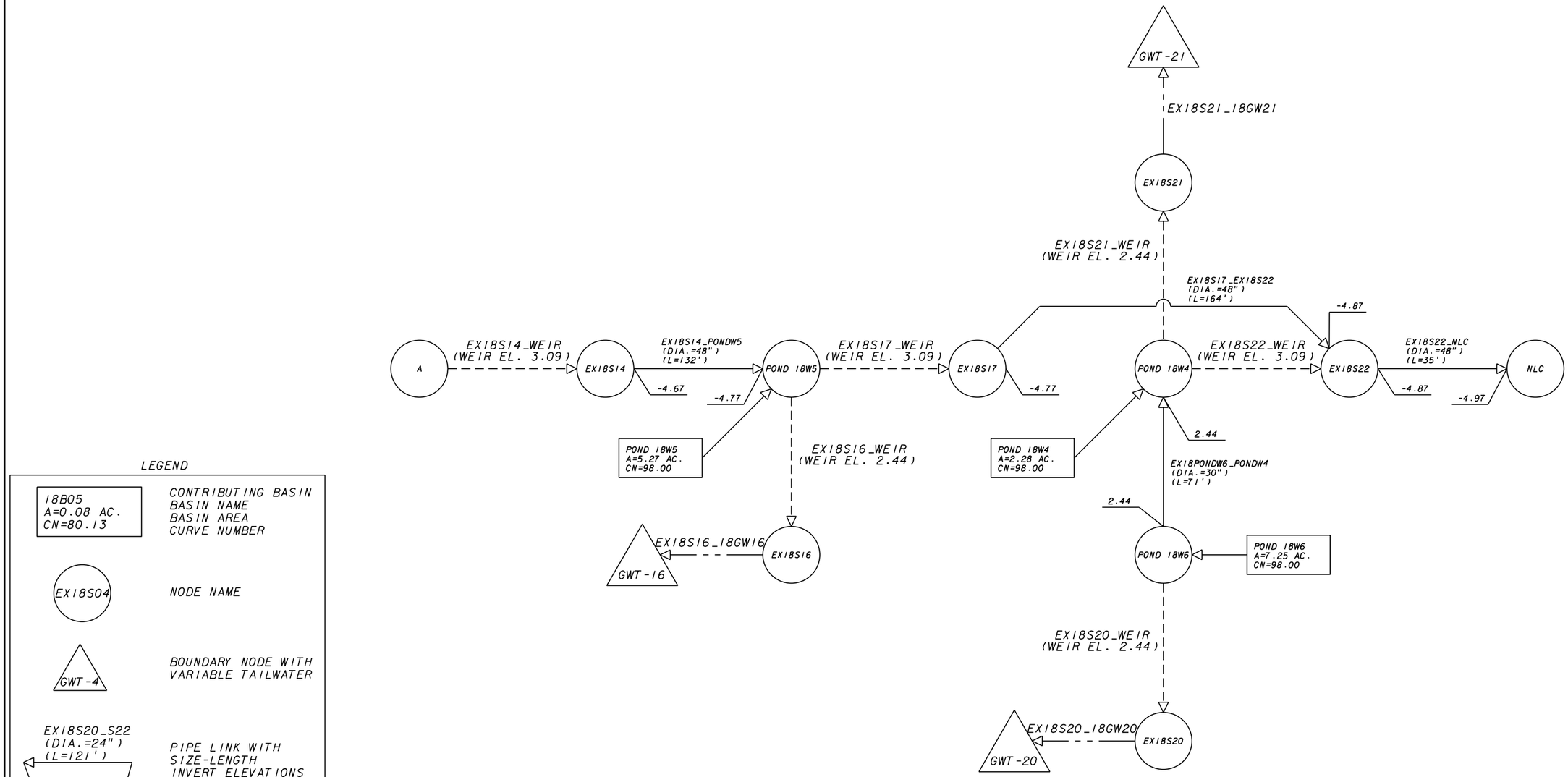
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR-9	MIAMI-DADE	428358-5-32-03

NODE-LINK DIAGRAM (1 OF 2)
(POST-DEV. CONDITIONS)

SHEET NO.

$USERS $DATES $TIMES $FILES



LEGEND

18B05 A=0.08 AC. CN=80.13	CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER
EX18S04	NODE NAME
GWT-4	BOUNDARY NODE WITH VARIABLE TAILWATER
EX18S20_S22 (DIA.=24") (L=121') 2.44 2.44	PIPE LINK WITH SIZE-LENGTH INVERT ELEVATIONS
EX18S01_18GW1	RATING CURVE LINK
EX18S01_WEIR (EL. 3.20)	WEIR LINK WITH WEIR ELEVATION

SYSTEM 18

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JUAN C. GARCIA, P.E.
P.E. No.: 46597
AECOM TECHNICAL SERVICES, INC.
7650 CORPORATE CENTER DRIVE, SUITE 400
MIAMI, FL 33126-1220
CERTIFICATE OF AUTHORIZATION: 8115

STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR-9	MIAMI-DADE	428358-5-32-03

NODE-LINK DIAGRAM (1 OF 2)
(POST-DEV. CONDITIONS)

SHEET NO.

$USER$ $DATE$ $TIME$ $FILE$

Manual Basin: 18B01

Scenario: System 18 - Post Dev
Node: EX18S01
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.7700	18B01	18B01			

Comment:

Manual Basin: 18B03

Scenario: System 18 - Post Dev
Node: EX18S03
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.1600	18B03	18B03			

Comment:

Manual Basin: 18B05

Scenario: System 18 - Post Dev
Node: EX18S05
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.2400	18B05	18B05			

Comment:

Manual Basin: 18B06

Scenario: System 18 - Post Dev
Node: EX18S06
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.0700	18B06	18B06			

Comment:

Manual Basin: POND 18W1

Scenario: System 18 - Post Dev
Node: POND 18W1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
22.4700	POND 18W1	POND 18W1			

Comment:

Manual Basin: POND 18W2

Scenario: System 18 - Post Dev
Node: POND 18W2
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs

Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
2.5000	POND 18W2	POND 18W2			

Comment:

Manual Basin: POND 18W3

Scenario: System 18 - Post Dev
Node: POND 18W3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
2.2400	POND 18W3	POND 18W3			

Comment:

Manual Basin: POND 18W4

Scenario: System 18 - Post Dev
Node: POND 18W4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
2.2800	POND 18W4	POND 18W4			

Comment:

Manual Basin: POND 18W5

Scenario: System 18 - Post Dev
Node: POND 18W5
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
5.2700	POND 18W5	POND 18W5			

Comment:

Manual Basin: POND 18W6

Scenario: System 18 - Post Dev
Node: POND 18W6
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
7.2500	POND 18W6	POND 18W6			

Comment:

Node: EX18S01

Scenario: System 18 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.25 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.07	0.0033	144
2.93	0.0033	144
2.94	0.0003	13
6.25	0.0003	13

Comment:

Node: EX18S02

Scenario: System 18 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.06 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.07	0.0033	144
2.93	0.0033	144
2.94	0.0003	13
6.06	0.0003	13

Comment:

Node: EX18S03

Scenario: System 18 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.40 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.62	0.0003	13
4.40	0.0003	13
4.41	0.0030	131

Comment:

Node: EX18S04

Scenario: System 18 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.30 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.72	0.0003	13
5.30	0.0003	13

Comment:

Node: EX18S05

Scenario: System 18 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.72	0.0002	9
5.88	0.0002	9
5.89	0.0020	87

Comment:

Node: EX18S06

Scenario: System 18 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.92	0.0002	9
12.27	0.0002	9
12.28	0.0020	87

Comment:

Node: EX18S08

Scenario: System 18 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0093	405
1.93	0.0093	405
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX18S10

Scenario: System 18 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.07	0.0019	83
1.93	0.0019	83
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX18S11

Scenario: System 18 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0005	22
3.08	0.0005	22
3.09	0.0050	218

Comment:

Node: EX18S12

Scenario: System 18 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.07	0.0019	83
1.93	0.0019	83
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX18S14

Scenario: System 18 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.67	0.0005	22
3.08	0.0005	22
3.09	0.0050	218

Comment:

Node: EX18S16

Scenario: System 18 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.07	0.0019	83
1.93	0.0019	83
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX18S17

Scenario: System 18 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.77	0.0005	22
3.08	0.0005	22
3.09	0.0050	218

Comment:

Node: EX18S20

Scenario: System 18 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0031	135
1.93	0.0031	135
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX18S21

Scenario: System 18 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.07	0.0042	183
1.93	0.0042	183
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX18S22

Scenario: System 18 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.87	0.0005	22
3.08	0.0005	22
3.09	0.0050	218

Comment:

Node: GWT-1

Scenario: System 18 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-10

Scenario: System 18 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-10

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-12

Scenario: System 18 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-12

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-16

Scenario: System 18 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-16

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-2

Scenario: System 18 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43

Year	Month	Day	Hour	Stage [ft]
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-20

Scenario: System 18 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-20

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-21

Scenario: System 18 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-21

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-8

Scenario: System 18 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-8

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: NLC

Scenario: System 18 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: NLC

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: POND 18W1

Scenario: System 18 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	2.6200	114127
3.08	2.8600	124582
5.43	3.7700	164221

Comment:

Node: POND 18W2

Scenario: System 18 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.2600	11326
3.08	0.2800	12197
5.43	0.3700	16117

Comment:

Node: POND 18W3

Scenario: System 18 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.1200	5227
3.08	0.1500	6534
5.43	0.2600	11326

Comment:

Node: POND 18W4

Scenario: System 18 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.2500	10890
3.08	0.3100	13504
5.43	0.5400	23522

Comment:

Node: POND 18W5

Scenario: System 18 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.0800	3485
3.08	0.1100	4792
5.43	0.2200	9583

Comment:

Node: POND 18W6

Scenario: System 18 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.4300	18731
3.08	0.4900	21344
5.43	0.6800	29621

Comment:

Pipe Link: EX18PONDW1_PONDW2		Upstream		Downstream	
Scenario:	System 18 - Post Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 18W1	Geometry: Circular		Geometry: Circular	
To Node:	POND 18W2	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft

Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	156.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX18PONDW6_PONDW4		Upstream		Downstream	
Scenario:	System 18 - Post Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 18W6	Geometry: Circular		Geometry: Circular	
To Node:	POND 18W4	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	71.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX18S01_18GW01

Scenario:	System 18 - Post Dev
From Node:	EX18S01
To Node:	GWT-1
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX18S01	1.43	EX18S01	1.43	EX18S01

Comment:

Pipe Link: EX18S01_S02		Upstream		Downstream	
Scenario:	System 18 - Post Dev	Invert:	0.44 ft	Invert:	0.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX18S01	Geometry: Circular		Geometry: Circular	

To Node:	EX18S02	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1		Bottom Clip		
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	300.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50		Top Clip		
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Rating Curve Link: EX18S02_18GW02

Scenario: System 18 - Post Dev
From Node: EX18S02
To Node: GWT-2
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX18S02	1.43	EX18S02	1.43	EX18S02

Comment:

Pipe Link: EX18S02_S03		Upstream		Downstream	
Scenario:	System 18 - Post Dev	Invert:	-0.17 ft	Invert:	-0.62 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX18S02	Geometry: Circular		Geometry: Circular	
To Node:	EX18S03	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1		Bottom Clip		
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	60.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50		Top Clip		
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX18S03_S04	Upstream	Downstream

Scenario:	System 18 - Post Dev	Invert:	-0.62 ft	Invert:	-0.72 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX18S03	Geometry: Circular		Geometry: Circular	
To Node:	EX18S04	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	31.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX18S04_S05		Upstream		Downstream	
Scenario:	System 18 - Post Dev	Invert:	-0.72 ft	Invert:	-0.82 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX18S04	Geometry: Circular		Geometry: Circular	
To Node:	EX18S05	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	59.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX18S05_S06		Upstream		Downstream	
Scenario:	System 18 - Post Dev	Invert:	-0.82 ft	Invert:	-0.92 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX18S05	Geometry: Circular		Geometry: Circular	
To Node:	EX18S06	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	150.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft

Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX18S06_PONDW1		Upstream		Downstream	
Scenario:	System 18 - Post Dev	Invert:	2.54 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX18S06	Geometry: Circular		Geometry: Circular	
To Node:	POND 18W1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	147.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX18S08_18GW08

Scenario: System 18 - Post Dev
From Node: EX18S08
To Node: GWT-8
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX18S08	1.43	EX18S08	1.43	EX18S08

Comment:

Weir Link: EX18S08_WEIR

Scenario:	System 18 - Post Dev	Bottom Clip	
From Node:	POND 18W1	Default:	0.00 ft
To Node:	EX18S08	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	

Invert:	2.44 ft
Control Elevation:	2.44 ft
Max Depth:	5.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Rating Curve Link: EX18S10_18GW10

Scenario:	System 18 - Post Dev
From Node:	EX18S10
To Node:	GWT-10
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX18S10	1.43	EX18S10	1.43	EX18S10

Comment:

Weir Link: EX18S10_WEIR

Scenario:	System 18 - Post Dev
From Node:	POND 18W2
To Node:	EX18S10
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.44 ft
Control Elevation:	2.44 ft
Max Depth:	5.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: EX18S11_PONDW3

Scenario:	System 18 - Post Dev
From Node:	EX18S11
To Node:	POND 18W3
Link Count:	1
Flow Direction:	Both

Upstream	
Invert:	-4.57 ft
Manning's N:	0.0120
Geometry: Circular	
Max Depth:	4.00 ft
Bottom Clip	
Default:	0.00 ft

Downstream	
Invert:	-4.67 ft
Manning's N:	0.0120
Geometry: Circular	
Max Depth:	4.00 ft
Bottom Clip	
Default:	0.00 ft

Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	109.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX18S11_WEIR

Scenario:	System 18 - Post Dev	Bottom Clip	
From Node:	POND 18W2	Default:	0.00 ft
To Node:	EX18S11	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.09 ft	Discharge Coefficients	
Control Elevation:	3.09 ft	Weir Default:	3.200
Max Depth:	8.75 ft	Weir Table:	
Max Width:	3.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Rating Curve Link: EX18S12_18GW12

Scenario:	System 18 - Post Dev
From Node:	EX18S12
To Node:	GWT-12
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX18S12	1.43	EX18S12	1.43	EX18S12

Comment:

Weir Link: EX18S12_WEIR

Scenario:	System 18 - Post Dev	Bottom Clip	
From Node:	POND 18W3	Default:	0.00 ft
To Node:	EX18S12	Op Table:	
Link Count:	1	Ref Node:	

Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.44 ft
Control Elevation:	2.44 ft
Max Depth:	5.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: EX18S14_PONDW5		Upstream		Downstream	
Scenario:	System 18 - Post Dev	Invert:	-4.67 ft	Invert:	-4.77 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX18S14	Geometry: Circular		Geometry: Circular	
To Node:	POND 18W5	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	132.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: EX18S14_WEIR	
Scenario:	System 18 - Post Dev
From Node:	POND 18W3
To Node:	EX18S14
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	3.09 ft
Control Elevation:	3.09 ft
Max Depth:	8.75 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Rating Curve Link: EX18S16_18GW16

Scenario: System 18 - Post Dev
From Node: EX18S16
To Node: GWT-16
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX18S16	1.43	EX18S16	1.43	EX18S16

Comment:

Weir Link: EX18S16_WEIR

Scenario: System 18 - Post Dev
From Node: POND 18W5
To Node: EX18S16
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 2.44 ft
Control Elevation: 2.44 ft
Max Depth: 5.33 ft
Max Width: 4.83 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: EX18S17_EX18S22

Scenario: System 18 - Post Dev
From Node: EX18S17
To Node: EX18S22
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 164.00 ft
FHWA Code: 1
Entr Loss Coef: 0.50
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream
Invert: -4.77 ft
Manning's N: 0.0120

Geometry: Circular
Max Depth: 4.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Downstream
Invert: -4.87 ft
Manning's N: 0.0120

Geometry: Circular
Max Depth: 4.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Weir Link: EX18S17_WEIR

Scenario:	System 18 - Post Dev
From Node:	POND 18W5
To Node:	EX18S17
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	3.09 ft
Control Elevation:	3.09 ft
Max Depth:	8.75 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Rating Curve Link: EX18S20_18GW20

Scenario:	System 18 - Post Dev
From Node:	EX18S20
To Node:	GWT-20
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX18S20	1.43	EX18S20	1.43	EX18S20

Comment:

Weir Link: EX18S20_WEIR

Scenario:	System 18 - Post Dev
From Node:	POND 18W6
To Node:	EX18S20
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.44 ft
Control Elevation:	2.44 ft
Max Depth:	5.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Rating Curve Link: EX18S21_18GW21

Scenario: System 18 - Post Dev
From Node: EX18S21
To Node: GWT-21
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX18S21	1.43	EX18S21	1.43	EX18S21

Comment:

Weir Link: EX18S21_WEIR

Scenario: System 18 - Post Dev
From Node: POND 18W4
To Node: EX18S21
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 2.44 ft
Control Elevation: 2.44 ft
Max Depth: 5.33 ft
Max Width: 4.83 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: EX18S22_NLC

Scenario: System 18 - Post Dev
From Node: EX18S22
To Node: NLC
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 35.00 ft
FHWA Code: 1
Entr Loss Coef: 0.50
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream
Invert: -4.87 ft
Manning's N: 0.0120

Geometry: Circular
Max Depth: 4.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Downstream
Invert: -4.97 ft
Manning's N: 0.0120

Geometry: Circular
Max Depth: 4.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Weir Link: EX18S22_WEIR

Scenario:	System 18 - Post Dev
From Node:	POND 18W4
To Node:	EX18S22
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	3.09 ft
Control Elevation:	3.09 ft
Max Depth:	8.75 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Rating Curve Link: PROP18S08_18GW08

Scenario:	System 18 - Post Dev
From Node:	EX18S08
To Node:	GWT-8
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_PROP18S08	1.43	EX18S08	1.43	EX18S08

Comment:

Simulation: 100Y-1H

Scenario:	System 18 - Post Dev
Run Date/Time:	8/8/2019 1:47:36 PM
Program Version:	ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	3.0000	1.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	25.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 1-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 18 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 18 - Post Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 5.10 in
Storm Duration: 1.0000 hr

Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100Y-24H

Scenario: System 18 - Post Dev
Run Date/Time: 8/8/2019 1:48:32 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	26.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	48.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 24-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 18 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 18 - Post Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 13.44 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 100Y-8H

Scenario: System 18 - Post Dev
Run Date/Time: 8/8/2019 1:49:41 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	10.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	32.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 8-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 18 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 18 - Post Dev
Roughness Set:

Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Manual Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	9.60 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-1H

Scenario:	System 18 - Post Dev
Run Date/Time:	8/8/2019 1:50:08 PM
Program Version:	ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	1.0000	1.0000
0	0	0	3.0000	1.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	25.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 1-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 18 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 18 - Post Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 3.55 in
Storm Duration: 1.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2

Energy Switch (2D): Energy Energy Switch (1D): Energy

Comment:

Simulation: 10Y-24H

Scenario: System 18 - Post Dev
Run Date/Time: 8/8/2019 1:51:05 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	26.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	48.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 24-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 18 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 18 - Post Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 8.88 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 10Y-8H

Scenario: System 18 - Post Dev
Run Date/Time: 8/8/2019 1:52:00 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000

End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	10.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	32.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 8-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 18 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 18 - Post Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Manual Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	6.80 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25Y-72H

Scenario: System 18 - Post Dev
Run Date/Time: 8/8/2019 1:52:24 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	48.0000	15.0000
0	0	0	56.0000	5.0000
0	0	0	64.0000	1.0000
0	0	0	72.0000	5.0000

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	74.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	48.0000	15.0000
0	0	0	56.0000	5.0000
0	0	0	64.0000	1.0000
0	0	0	72.0000	5.0000
0	0	0	96.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 72-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 18 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 18 - Post Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~SFWMD-72
Rainfall Amount: 14.50 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft

Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Node Max Conditions [System 18 - Post Dev]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX18S01	100Y-1H	6.25	4.67	0.0010	2.42	2.34	444
EX18S02	100Y-1H	6.06	4.65	0.0010	1.88	1.81	445
EX18S03	100Y-1H	4.40	4.64	0.0010	2.53	2.43	132
EX18S04	100Y-1H	5.30	4.62	0.0010	2.43	2.35	100
EX18S05	100Y-1H	5.43	4.59	0.0010	3.85	3.76	100
EX18S06	100Y-1H	5.43	4.49	0.0010	3.89	3.81	121
EX18S08	100Y-1H	5.43	4.30	0.0010	45.91	45.91	405
EX18S10	100Y-1H	5.43	4.06	0.0010	5.96	5.95	261
EX18S11	100Y-1H	5.43	4.03	0.0704	71.37	18.67	222
EX18S12	100Y-1H	5.43	3.97	0.0010	5.60	5.58	261
EX18S14	100Y-1H	5.43	3.92	0.0687	69.68	23.51	223
EX18S16	100Y-1H	5.43	3.82	0.0010	5.34	5.34	261
EX18S17	100Y-1H	5.43	2.75	0.0023	48.03	48.01	100
EX18S20	100Y-1H	5.43	5.60	0.0012	1.27	0.13	261
EX18S21	100Y-1H	5.43	3.53	0.0010	9.78	9.78	261
EX18S22	100Y-1H	5.43	2.26	0.0025	71.35	71.35	100
GWT-1	100Y-1H	99.00	1.43	0.0000	0.49	0.00	0
GWT-10	100Y-1H	99.00	1.43	0.0000	5.95	0.00	0
GWT-12	100Y-1H	99.00	1.43	0.0000	5.58	0.00	0
GWT-16	100Y-1H	99.00	1.43	0.0000	5.34	0.00	0
GWT-2	100Y-1H	99.00	1.43	0.0000	0.48	0.00	0
GWT-20	100Y-1H	99.00	1.43	0.0000	0.06	0.00	0
GWT-21	100Y-1H	99.00	1.43	0.0000	9.78	0.00	0
GWT-8	100Y-1H	99.00	1.43	0.0000	45.91	0.00	0
NLC	100Y-1H	99.00	1.43	0.0000	71.35	0.00	0
POND 18W1	100Y-1H	5.43	4.43	0.0008	185.38	59.02	147660
POND 18W2	100Y-1H	5.43	4.08	0.0006	31.30	24.37	14090
POND 18W3	100Y-1H	5.43	3.99	0.0704	27.83	71.37	8385
POND 18W4	100Y-1H	5.43	3.56	0.0004	34.35	33.85	15607
POND 18W5	100Y-1H	5.43	3.83	0.0687	53.47	69.68	6329
POND 18W6	100Y-1H	5.43	5.60	0.0010	56.90	23.39	29627
EX18S01	100Y-24H	6.25	3.30	0.0005	0.80	0.86	444

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX18S02	100Y-24H	6.06	3.30	0.0008	0.66	0.68	445
EX18S03	100Y-24H	4.40	3.30	0.0010	0.69	0.71	100
EX18S04	100Y-24H	5.30	3.29	0.0010	0.71	0.64	100
EX18S05	100Y-24H	5.43	3.29	0.0010	0.95	0.91	100
EX18S06	100Y-24H	5.43	3.28	0.0010	0.97	0.96	121
EX18S08	100Y-24H	5.43	3.13	0.0009	23.32	23.32	405
EX18S10	100Y-24H	5.43	3.20	0.0009	3.43	3.43	261
EX18S11	100Y-24H	5.43	3.21	0.0704	71.37	1.25	222
EX18S12	100Y-24H	5.43	3.20	0.0005	3.22	3.21	261
EX18S14	100Y-24H	5.43	3.21	0.0687	69.68	1.52	223
EX18S16	100Y-24H	5.43	3.20	0.0008	3.54	3.53	261
EX18S17	100Y-24H	5.43	2.43	0.0022	3.24	5.35	100
EX18S20	100Y-24H	5.43	4.19	0.0010	0.27	0.03	261
EX18S21	100Y-24H	5.43	3.25	0.0007	6.44	6.44	261
EX18S22	100Y-24H	5.43	2.43	0.0025	10.82	9.13	100
GWT-1	100Y-24H	99.00	2.43	0.0002	0.20	0.00	0
GWT-10	100Y-24H	99.00	2.43	0.0002	3.43	0.04	0
GWT-12	100Y-24H	99.00	2.43	0.0002	3.21	0.04	0
GWT-16	100Y-24H	99.00	2.43	0.0002	3.53	0.03	0
GWT-2	100Y-24H	99.00	2.43	0.0002	0.20	0.00	0
GWT-20	100Y-24H	99.00	2.43	0.0002	0.03	0.00	0
GWT-21	100Y-24H	99.00	2.43	0.0002	6.44	0.05	0
GWT-8	100Y-24H	99.00	2.43	0.0002	23.32	0.30	0
NLC	100Y-24H	99.00	2.43	0.0002	9.13	0.04	0
POND 18W1	100Y-24H	5.43	3.24	0.0002	31.35	24.40	127557
POND 18W2	100Y-24H	5.43	3.21	0.0001	5.49	4.05	12624
POND 18W3	100Y-24H	5.43	3.21	0.0704	4.48	71.37	6801
POND 18W4	100Y-24H	5.43	3.26	0.0002	11.82	11.73	14377
POND 18W5	100Y-24H	5.43	3.21	0.0687	7.13	69.68	5068
POND 18W6	100Y-24H	5.43	4.19	0.0005	9.81	8.86	25353
EX18S01	100Y-8H	6.25	4.67	0.0010	2.19	2.16	444
EX18S02	100Y-8H	6.06	4.65	0.0010	1.78	1.74	445
EX18S03	100Y-8H	4.40	4.64	0.0010	2.01	1.97	132

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX18S04	100Y-8H	5.30	4.62	0.0010	1.97	1.94	100
EX18S05	100Y-8H	5.43	4.59	0.0010	2.87	2.83	100
EX18S06	100Y-8H	5.43	4.49	0.0009	2.99	2.96	121
EX18S08	100Y-8H	5.43	4.30	0.0009	40.56	40.55	405
EX18S10	100Y-8H	5.43	3.92	0.0010	4.87	4.74	261
EX18S11	100Y-8H	5.43	3.88	0.0704	71.37	16.66	222
EX18S12	100Y-8H	5.43	3.83	0.0010	4.56	4.41	261
EX18S14	100Y-8H	5.43	3.77	0.0687	69.68	19.88	223
EX18S16	100Y-8H	5.43	3.68	0.0010	4.14	4.12	261
EX18S17	100Y-8H	5.43	2.96	0.0016	35.26	35.25	100
EX18S20	100Y-8H	5.43	5.49	0.0010	0.27	0.07	261
EX18S21	100Y-8H	5.43	3.53	0.0009	7.21	7.18	261
EX18S22	100Y-8H	5.43	2.70	0.0023	58.53	58.53	100
GWT-1	100Y-8H	99.00	2.43	0.0003	0.39	0.00	0
GWT-10	100Y-8H	99.00	2.43	0.0003	4.74	0.06	0
GWT-12	100Y-8H	99.00	2.43	0.0003	4.41	0.05	0
GWT-16	100Y-8H	99.00	2.43	0.0003	4.12	0.04	0
GWT-2	100Y-8H	99.00	2.43	0.0003	0.38	0.00	0
GWT-20	100Y-8H	99.00	2.43	0.0003	0.05	0.00	0
GWT-21	100Y-8H	99.00	2.43	0.0003	7.18	0.07	0
GWT-8	100Y-8H	99.00	2.43	0.0003	40.55	0.45	0
NLC	100Y-8H	99.00	2.43	0.0003	58.53	0.01	0
POND 18W1	100Y-8H	5.43	4.41	0.0009	94.14	53.45	147238
POND 18W2	100Y-8H	5.43	3.93	0.0006	21.04	21.27	13845
POND 18W3	100Y-8H	5.43	3.84	0.0704	23.98	71.37	8079
POND 18W4	100Y-8H	5.43	3.55	0.0002	30.60	30.28	15568
POND 18W5	100Y-8H	5.43	3.69	0.0687	39.46	69.68	6048
POND 18W6	100Y-8H	5.43	5.49	0.0010	29.43	22.19	29627
EX18S01	10Y-1H	6.25	3.81	0.0010	1.13	1.33	444
EX18S02	10Y-1H	6.06	3.81	0.0010	1.13	0.97	445
EX18S03	10Y-1H	4.40	3.81	0.0010	1.40	1.17	100
EX18S04	10Y-1H	5.30	3.81	0.0010	1.17	1.07	100
EX18S05	10Y-1H	5.43	3.81	0.0010	2.00	1.95	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX18S06	10Y-1H	5.43	3.80	0.0010	2.00	1.95	121
EX18S08	10Y-1H	5.43	3.68	0.0010	37.97	37.97	405
EX18S10	10Y-1H	5.43	3.64	0.0010	5.20	5.19	261
EX18S11	10Y-1H	5.43	3.63	0.0704	71.37	11.17	222
EX18S12	10Y-1H	5.43	3.61	0.0010	4.90	4.88	261
EX18S14	10Y-1H	5.43	3.59	0.0687	69.68	10.79	223
EX18S16	10Y-1H	5.43	3.57	0.0010	4.89	4.87	261
EX18S17	10Y-1H	5.43	1.79	0.0016	26.03	26.02	100
EX18S20	10Y-1H	5.43	4.82	0.0012	1.18	0.09	261
EX18S21	10Y-1H	5.43	3.37	0.0010	9.03	9.03	261
EX18S22	10Y-1H	5.43	1.65	0.0021	37.07	37.07	100
GWT-1	10Y-1H	99.00	1.43	0.0000	0.36	0.00	0
GWT-10	10Y-1H	99.00	1.43	0.0000	5.19	0.00	0
GWT-12	10Y-1H	99.00	1.43	0.0000	4.88	0.00	0
GWT-16	10Y-1H	99.00	1.43	0.0000	4.87	0.00	0
GWT-2	10Y-1H	99.00	1.43	0.0000	0.36	0.00	0
GWT-20	10Y-1H	99.00	1.43	0.0000	0.05	0.00	0
GWT-21	10Y-1H	99.00	1.43	0.0000	9.03	0.00	0
GWT-8	10Y-1H	99.00	1.43	0.0000	37.97	0.00	0
NLC	10Y-1H	99.00	1.43	0.0000	37.07	0.00	0
POND 18W1	10Y-1H	5.43	3.79	0.0006	125.58	43.80	136915
POND 18W2	10Y-1H	5.43	3.65	0.0006	24.34	13.59	13382
POND 18W3	10Y-1H	5.43	3.62	0.0704	17.86	71.37	7646
POND 18W4	10Y-1H	5.43	3.39	0.0006	22.27	21.57	14922
POND 18W5	10Y-1H	5.43	3.58	0.0687	31.56	69.68	5823
POND 18W6	10Y-1H	5.43	4.82	0.0010	39.11	15.01	27524
EX18S01	10Y-24H	6.25	3.01	0.0007	0.43	0.48	444
EX18S02	10Y-24H	6.06	3.01	0.0010	0.42	0.30	445
EX18S03	10Y-24H	4.40	3.00	0.0010	0.46	0.41	100
EX18S04	10Y-24H	5.30	3.00	0.0010	0.37	0.37	100
EX18S05	10Y-24H	5.43	3.00	0.0010	0.49	0.47	100
EX18S06	10Y-24H	5.43	3.00	0.0010	0.50	0.48	113
EX18S08	10Y-24H	5.43	2.72	0.0010	16.87	16.86	405

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX18S10	10Y-24H	5.43	2.70	0.0009	2.26	2.26	261
EX18S11	10Y-24H	5.43	2.83	0.0704	71.37	0.05	100
EX18S12	10Y-24H	5.43	2.82	0.0006	2.34	2.33	261
EX18S14	10Y-24H	5.43	3.14	0.0687	69.68	0.78	223
EX18S16	10Y-24H	5.43	3.13	0.0007	3.27	3.26	261
EX18S17	10Y-24H	5.43	2.43	0.0010	0.82	2.10	100
EX18S20	10Y-24H	5.43	3.83	0.0010	0.25	0.03	261
EX18S21	10Y-24H	5.43	3.15	0.0006	5.85	5.84	261
EX18S22	10Y-24H	5.43	2.43	0.0019	3.76	4.45	100
GWT-1	10Y-24H	99.00	2.43	0.0002	0.16	0.00	0
GWT-10	10Y-24H	99.00	2.43	0.0002	2.26	0.07	0
GWT-12	10Y-24H	99.00	2.43	0.0002	2.33	0.06	0
GWT-16	10Y-24H	99.00	2.43	0.0002	3.26	0.04	0
GWT-2	10Y-24H	99.00	2.43	0.0002	0.16	0.00	0
GWT-20	10Y-24H	99.00	2.43	0.0002	0.03	0.00	0
GWT-21	10Y-24H	99.00	2.43	0.0002	5.84	0.08	0
GWT-8	10Y-24H	99.00	2.43	0.0002	16.86	0.47	0
NLC	10Y-24H	99.00	2.43	0.0002	4.45	0.09	0
POND 18W1	10Y-24H	5.43	2.92	0.0002	20.54	17.50	122214
POND 18W2	10Y-24H	5.43	2.71	0.0001	2.82	2.26	11848
POND 18W3	10Y-24H	5.43	2.83	0.0704	2.77	71.37	6045
POND 18W4	10Y-24H	5.43	3.17	0.0002	7.69	7.57	13982
POND 18W5	10Y-24H	5.43	3.14	0.0687	4.70	69.68	4917
POND 18W6	10Y-24H	5.43	3.83	0.0004	6.47	5.75	24073
EX18S01	10Y-8H	6.25	3.90	0.0010	1.27	1.45	444
EX18S02	10Y-8H	6.06	3.89	0.0010	1.19	1.28	445
EX18S03	10Y-8H	4.40	3.89	0.0010	1.46	1.31	100
EX18S04	10Y-8H	5.30	3.88	0.0010	1.31	1.14	100
EX18S05	10Y-8H	5.43	3.87	0.0010	1.77	1.73	100
EX18S06	10Y-8H	5.43	3.86	0.0010	1.81	1.79	121
EX18S08	10Y-8H	5.43	3.76	0.0010	30.96	30.95	405
EX18S10	10Y-8H	5.43	3.59	0.0010	3.97	3.96	261
EX18S11	10Y-8H	5.43	3.57	0.0704	71.37	8.42	222

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX18S12	10Y-8H	5.43	3.55	0.0008	3.75	3.74	261
EX18S14	10Y-8H	5.43	3.52	0.0687	69.68	10.06	223
EX18S16	10Y-8H	5.43	3.49	0.0010	3.72	3.70	261
EX18S17	10Y-8H	5.43	2.43	0.0024	19.96	19.96	100
EX18S20	10Y-8H	5.43	4.86	0.0010	0.39	0.05	261
EX18S21	10Y-8H	5.43	3.41	0.0009	6.63	6.60	261
EX18S22	10Y-8H	5.43	2.43	0.0027	34.61	34.60	100
GWT-1	10Y-8H	99.00	2.43	0.0002	0.27	0.00	0
GWT-10	10Y-8H	99.00	2.43	0.0002	3.96	0.08	0
GWT-12	10Y-8H	99.00	2.43	0.0002	3.74	0.09	0
GWT-16	10Y-8H	99.00	2.43	0.0002	3.70	0.06	0
GWT-2	10Y-8H	99.00	2.43	0.0002	0.27	0.00	0
GWT-20	10Y-8H	99.00	2.43	0.0002	0.04	0.00	0
GWT-21	10Y-8H	99.00	2.43	0.0002	6.60	0.10	0
GWT-8	10Y-8H	99.00	2.43	0.0002	30.95	0.59	0
NLC	10Y-8H	99.00	2.43	0.0002	34.60	0.16	0
POND 18W1	10Y-8H	5.43	3.84	0.0004	66.29	37.38	137667
POND 18W2	10Y-8H	5.43	3.60	0.0005	12.21	12.24	13297
POND 18W3	10Y-8H	5.43	3.56	0.0704	13.29	71.37	7522
POND 18W4	10Y-8H	5.43	3.43	0.0002	21.31	21.02	15066
POND 18W5	10Y-8H	5.43	3.50	0.0687	23.68	69.68	5659
POND 18W6	10Y-8H	5.43	4.86	0.0006	20.82	15.39	27659
EX18S01	25Y-72H	6.25	5.41	0.0010	4.16	4.06	444
EX18S02	25Y-72H	6.06	5.34	0.0010	3.59	3.49	445
EX18S03	25Y-72H	4.40	5.28	0.0010	4.06	3.93	132
EX18S04	25Y-72H	5.30	5.20	0.0010	3.93	3.85	100
EX18S05	25Y-72H	5.43	5.10	0.0010	5.34	5.26	100
EX18S06	25Y-72H	5.43	4.73	0.0010	5.59	5.51	121
EX18S08	25Y-72H	5.43	4.37	0.0009	41.26	41.26	405
EX18S10	25Y-72H	5.43	4.07	0.0009	5.03	5.01	261
EX18S11	25Y-72H	5.43	4.04	0.0704	71.37	18.63	222
EX18S12	25Y-72H	5.43	3.98	0.0008	4.74	4.72	261
EX18S14	25Y-72H	5.43	3.93	0.0687	69.68	23.14	223

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX18S16	25Y-72H	5.43	3.84	0.0005	4.42	4.39	261
EX18S17	25Y-72H	5.43	3.41	0.0016	43.69	43.66	224
EX18S20	25Y-72H	5.43	5.63	0.0010	0.31	0.10	261
EX18S21	25Y-72H	5.43	3.58	0.0007	6.94	6.93	261
EX18S22	25Y-72H	5.43	3.00	0.0021	70.40	70.40	100
GWT-1	25Y-72H	99.00	2.43	0.0001	0.49	0.00	0
GWT-10	25Y-72H	99.00	2.43	0.0001	5.01	0.03	0
GWT-12	25Y-72H	99.00	2.43	0.0001	4.72	0.03	0
GWT-16	25Y-72H	99.00	2.43	0.0001	4.39	0.02	0
GWT-2	25Y-72H	99.00	2.43	0.0001	0.48	0.00	0
GWT-20	25Y-72H	99.00	2.43	0.0001	0.05	0.00	0
GWT-21	25Y-72H	99.00	2.43	0.0001	6.93	0.04	0
GWT-8	25Y-72H	99.00	2.43	0.0001	41.26	0.25	0
NLC	25Y-72H	99.00	2.43	0.0001	70.40	0.13	0
POND 18W1	25Y-72H	5.43	4.48	0.0009	149.52	55.05	148440
POND 18W2	25Y-72H	5.43	4.08	0.0009	22.62	23.36	14090
POND 18W3	25Y-72H	5.43	3.99	0.0704	26.17	71.37	8394
POND 18W4	25Y-72H	5.43	3.59	0.0003	34.55	33.79	15757
POND 18W5	25Y-72H	5.43	3.85	0.0687	49.13	69.68	6366
POND 18W6	25Y-72H	5.43	5.63	0.0010	46.48	23.72	29627

Link Min/Max Conditions [System 18 - Post Dev]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX18PONDW1_PONDW2	100Y-1H	13.14	-5.60	0.20	2.64	4.46	3.42
EX18PONDW6_PONDW4	100Y-1H	23.33	0.00	0.02	4.75	6.81	5.78
EX18S01_18GW01	100Y-1H	0.49	0.00	0.00	0.00	0.00	0.00
EX18S01_S02	100Y-1H	1.88	-0.57	0.69	0.60	0.60	0.60
EX18S02_18GW02	100Y-1H	0.48	0.00	0.00	0.00	0.00	0.00
EX18S02_S03	100Y-1H	1.35	-1.27	-0.58	0.76	0.76	0.76
EX18S03_S04	100Y-1H	2.43	-0.94	0.79	1.38	1.38	1.38
EX18S04_S05	100Y-1H	2.35	-0.86	-0.60	1.33	1.33	1.33
EX18S05_S06	100Y-1H	3.76	-0.58	-0.30	2.13	2.13	2.13
EX18S06_PONDW1	100Y-1H	3.81	-0.72	0.19	2.15	-2.56	2.28
EX18S08_18GW08	100Y-1H	30.76	0.00	0.02	0.00	0.00	0.00
EX18S08_WEIR	100Y-1H	45.91	0.00	0.03	2.26	2.26	2.26
EX18S10_18GW10	100Y-1H	5.95	0.00	-0.01	0.00	0.00	0.00
EX18S10_WEIR	100Y-1H	5.96	0.00	-0.01	1.23	1.23	1.23
EX18S11_PONDW3	100Y-1H	18.67	-71.37	8.74	-5.68	-5.68	-5.68
EX18S11_WEIR	100Y-1H	18.61	-13.76	-1.02	-1.77	-1.77	-1.77
EX18S12_18GW12	100Y-1H	5.58	0.00	0.00	0.00	0.00	0.00
EX18S12_WEIR	100Y-1H	5.60	0.00	-0.03	1.17	1.17	1.17
EX18S14_PONDW5	100Y-1H	23.51	-69.68	8.44	-5.55	-5.55	-5.55
EX18S14_WEIR	100Y-1H	23.46	-9.11	0.15	-1.54	-1.54	-1.54
EX18S16_18GW16	100Y-1H	5.34	0.00	0.00	0.00	0.00	0.00
EX18S16_WEIR	100Y-1H	5.34	0.00	-0.01	1.22	1.22	1.22
EX18S17_EX18S22	100Y-1H	48.01	-0.75	5.27	3.82	3.82	3.82
EX18S17_WEIR	100Y-1H	48.03	0.00	-0.04	2.76	2.76	2.76
EX18S20_18GW20	100Y-1H	0.06	0.00	0.00	0.00	0.00	0.00
EX18S20_WEIR	100Y-1H	1.27	-0.09	-0.04	0.86	0.86	0.86
EX18S21_18GW21	100Y-1H	9.78	0.00	0.01	0.00	0.00	0.00
EX18S21_WEIR	100Y-1H	9.78	0.00	0.01	1.38	1.38	1.38
EX18S22_NLC	100Y-1H	71.35	0.00	-3.59	5.68	5.68	5.68
EX18S22_WEIR	100Y-1H	24.07	0.00	0.03	2.19	2.19	2.19

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PROP18S08_18GW08	100Y-1H	15.15	0.00	0.01	0.00	0.00	0.00
EX18PONDW1_PONDW2	100Y-24H	1.29	-0.02	0.01	1.11	2.42	1.67
EX18PONDW6_PONDW4	100Y-24H	8.83	0.00	0.00	2.40	4.88	3.64
EX18S01_18GW01	100Y-24H	0.20	0.00	0.00	0.00	0.00	0.00
EX18S01_S02	100Y-24H	0.66	-0.15	0.27	0.21	0.21	0.21
EX18S02_18GW02	100Y-24H	0.20	0.00	0.00	0.00	0.00	0.00
EX18S02_S03	100Y-24H	0.48	-0.46	-0.36	0.27	0.27	0.27
EX18S03_S04	100Y-24H	0.71	-0.50	0.50	0.40	0.40	0.40
EX18S04_S05	100Y-24H	0.64	-0.44	-0.43	0.36	0.36	0.36
EX18S05_S06	100Y-24H	0.91	-0.18	0.31	0.51	0.51	0.51
EX18S06_PONDW1	100Y-24H	0.96	-0.10	0.00	1.26	-1.55	1.26
EX18S08_18GW08	100Y-24H	15.62	-0.20	-0.20	0.00	0.00	0.00
EX18S08_WEIR	100Y-24H	23.32	0.00	0.01	2.05	2.05	2.05
EX18S10_18GW10	100Y-24H	3.43	-0.04	-0.04	0.00	0.00	0.00
EX18S10_WEIR	100Y-24H	3.43	0.00	0.00	1.07	1.07	1.07
EX18S11_PONDW3	100Y-24H	0.82	-71.37	8.74	-5.68	-5.68	-5.68
EX18S11_WEIR	100Y-24H	0.72	-1.25	0.02	-0.62	-0.62	-0.62
EX18S12_18GW12	100Y-24H	3.21	-0.04	-0.04	0.00	0.00	0.00
EX18S12_WEIR	100Y-24H	3.22	0.00	0.00	1.02	1.02	1.02
EX18S14_PONDW5	100Y-24H	0.37	-69.68	8.44	-5.55	-5.55	-5.55
EX18S14_WEIR	100Y-24H	0.06	-1.52	0.02	-0.73	-0.73	-0.73
EX18S16_18GW16	100Y-24H	3.53	-0.03	-0.03	0.00	0.00	0.00
EX18S16_WEIR	100Y-24H	3.54	0.00	0.00	1.08	1.08	1.08
EX18S17_EX18S22	100Y-24H	5.35	-0.49	5.09	0.43	0.43	0.43
EX18S17_WEIR	100Y-24H	3.24	0.00	0.00	1.12	1.12	1.12
EX18S20_18GW20	100Y-24H	0.03	0.00	0.00	0.00	0.00	0.00
EX18S20_WEIR	100Y-24H	0.27	0.00	-0.01	0.03	0.03	0.03
EX18S21_18GW21	100Y-24H	6.44	-0.05	-0.05	0.00	0.00	0.00
EX18S21_WEIR	100Y-24H	6.44	0.00	0.00	1.28	1.28	1.28
EX18S22_NLC	100Y-24H	9.13	-0.04	-3.60	0.73	0.73	0.73

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX18S22_WEIR	100Y-24H	5.48	0.00	0.00	1.34	1.34	1.34
PROP18S08_18GW08	100Y-24H	7.70	-0.10	-0.10	0.00	0.00	0.00
EX18PONDW1_PONDW2	100Y-8H	12.92	-1.55	0.03	2.63	4.26	3.41
EX18PONDW6_PONDW4	100Y-8H	22.14	0.00	0.01	4.51	6.67	5.59
EX18S01_18GW01	100Y-8H	0.39	0.00	0.00	0.00	0.00	0.00
EX18S01_S02	100Y-8H	1.78	-0.20	0.67	0.57	0.57	0.57
EX18S02_18GW02	100Y-8H	0.38	0.00	0.00	0.00	0.00	0.00
EX18S02_S03	100Y-8H	1.37	-0.44	0.74	0.77	0.77	0.77
EX18S03_S04	100Y-8H	1.97	-0.42	0.84	1.11	1.11	1.11
EX18S04_S05	100Y-8H	1.94	-0.42	0.60	1.10	1.10	1.10
EX18S05_S06	100Y-8H	2.83	-0.25	0.39	1.60	1.60	1.60
EX18S06_PONDW1	100Y-8H	2.96	-0.32	-0.23	1.68	-2.09	1.68
EX18S08_18GW08	100Y-8H	27.17	-0.30	-0.30	0.00	0.00	0.00
EX18S08_WEIR	100Y-8H	40.56	0.00	0.02	2.14	2.14	2.14
EX18S10_18GW10	100Y-8H	4.74	-0.06	-0.06	0.00	0.00	0.00
EX18S10_WEIR	100Y-8H	4.87	0.00	-0.26	1.12	1.12	1.12
EX18S11_PONDW3	100Y-8H	16.66	-71.37	8.74	-5.68	-5.68	-5.68
EX18S11_WEIR	100Y-8H	16.63	-3.82	1.21	-1.07	-1.07	-1.07
EX18S12_18GW12	100Y-8H	4.41	-0.05	-0.05	0.00	0.00	0.00
EX18S12_WEIR	100Y-8H	4.56	0.00	0.26	1.08	1.08	1.08
EX18S14_PONDW5	100Y-8H	19.88	-69.68	8.44	-5.55	-5.55	-5.55
EX18S14_WEIR	100Y-8H	19.86	-3.15	0.65	1.19	1.19	1.19
EX18S16_18GW16	100Y-8H	4.12	-0.04	-0.04	0.00	0.00	0.00
EX18S16_WEIR	100Y-8H	4.14	0.00	0.06	1.12	1.12	1.12
EX18S17_EX18S22	100Y-8H	35.25	-0.82	-4.19	2.81	2.81	2.81
EX18S17_WEIR	100Y-8H	35.26	0.00	-0.03	2.49	2.49	2.49
EX18S20_18GW20	100Y-8H	0.05	0.00	0.00	0.00	0.00	0.00
EX18S20_WEIR	100Y-8H	0.27	-0.04	-0.01	0.03	0.03	0.03
EX18S21_18GW21	100Y-8H	7.18	-0.07	-0.07	0.00	0.00	0.00
EX18S21_WEIR	100Y-8H	7.21	0.00	0.00	1.29	1.29	1.29

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX18S22_NLC	100Y-8H	58.53	-0.01	3.37	4.66	4.66	4.66
EX18S22_WEIR	100Y-8H	23.36	0.00	0.01	2.17	2.17	2.17
PROP18S08_18GW08	100Y-8H	13.38	-0.15	-0.15	0.00	0.00	0.00
EX18PONDW1_PONDW2	10Y-1H	5.93	-3.99	0.07	1.95	2.94	2.41
EX18PONDW6_PONDW4	10Y-1H	14.96	0.00	0.01	3.10	5.78	4.44
EX18S01_18GW01	10Y-1H	0.36	0.00	0.00	0.00	0.00	0.00
EX18S01_S02	10Y-1H	0.97	-0.46	0.84	0.31	0.31	0.31
EX18S02_18GW02	10Y-1H	0.36	0.00	0.00	0.00	0.00	0.00
EX18S02_S03	10Y-1H	0.63	-1.13	-0.58	-0.64	-0.64	-0.64
EX18S03_S04	10Y-1H	1.17	-0.84	0.72	0.66	0.66	0.66
EX18S04_S05	10Y-1H	1.07	-0.81	0.56	0.61	0.61	0.61
EX18S05_S06	10Y-1H	1.95	-0.51	0.33	1.10	1.10	1.10
EX18S06_PONDW1	10Y-1H	1.95	-0.73	0.22	1.56	-2.57	-1.71
EX18S08_18GW08	10Y-1H	25.44	0.00	0.02	0.00	0.00	0.00
EX18S08_WEIR	10Y-1H	37.97	0.00	0.02	2.25	2.25	2.25
EX18S10_18GW10	10Y-1H	5.19	0.00	0.00	0.00	0.00	0.00
EX18S10_WEIR	10Y-1H	5.20	0.00	0.01	1.22	1.22	1.22
EX18S11_PONDW3	10Y-1H	8.59	-71.37	8.74	-5.68	-5.68	-5.68
EX18S11_WEIR	10Y-1H	8.54	-11.17	0.77	-1.66	-1.66	-1.66
EX18S12_18GW12	10Y-1H	4.88	0.00	0.00	0.00	0.00	0.00
EX18S12_WEIR	10Y-1H	4.90	0.00	0.03	1.17	1.17	1.17
EX18S14_PONDW5	10Y-1H	10.79	-69.68	8.44	-5.55	-5.55	-5.55
EX18S14_WEIR	10Y-1H	10.75	-7.95	0.93	-1.46	-1.46	-1.46
EX18S16_18GW16	10Y-1H	4.87	0.00	0.00	0.00	0.00	0.00
EX18S16_WEIR	10Y-1H	4.89	0.00	0.04	1.21	1.21	1.21
EX18S17_EX18S22	10Y-1H	26.02	-0.53	3.82	2.07	2.07	2.07
EX18S17_WEIR	10Y-1H	26.03	0.00	0.03	2.25	2.25	2.25
EX18S20_18GW20	10Y-1H	0.05	0.00	0.00	0.00	0.00	0.00
EX18S20_WEIR	10Y-1H	1.18	-0.05	-0.04	0.84	0.84	0.84
EX18S21_18GW21	10Y-1H	9.03	0.00	-0.01	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX18S21_WEIR	10Y-1H	9.03	0.00	0.01	1.38	1.38	1.38
EX18S22_NLC	10Y-1H	37.07	0.00	-3.58	2.95	2.95	2.95
EX18S22_WEIR	10Y-1H	12.54	0.00	0.03	1.76	1.76	1.76
PROP18S08_18GW08	10Y-1H	12.53	0.00	0.01	0.00	0.00	0.00
EX18PONDW1_PONDW2	10Y-24H	0.65	0.00	0.00	0.90	2.29	1.57
EX18PONDW6_PONDW4	10Y-24H	5.72	0.00	0.00	2.04	4.29	3.17
EX18S01_18GW01	10Y-24H	0.16	0.00	0.00	0.00	0.00	0.00
EX18S01_S02	10Y-24H	0.32	-0.11	0.19	0.10	0.10	0.10
EX18S02_18GW02	10Y-24H	0.16	0.00	0.00	0.00	0.00	0.00
EX18S02_S03	10Y-24H	0.18	-0.41	-0.34	-0.23	-0.23	-0.23
EX18S03_S04	10Y-24H	0.37	-0.37	0.38	-0.21	-0.21	-0.21
EX18S04_S05	10Y-24H	0.36	-0.36	-0.34	-0.21	-0.21	-0.21
EX18S05_S06	10Y-24H	0.47	-0.15	0.29	0.26	0.26	0.26
EX18S06_PONDW1	10Y-24H	0.48	-0.07	0.00	1.07	-1.34	1.07
EX18S08_18GW08	10Y-24H	11.30	-0.32	-0.32	0.00	0.00	0.00
EX18S08_WEIR	10Y-24H	16.87	0.00	0.01	1.94	1.94	1.94
EX18S10_18GW10	10Y-24H	2.26	-0.07	-0.07	0.00	0.00	0.00
EX18S10_WEIR	10Y-24H	2.26	0.00	0.00	1.01	1.01	1.01
EX18S11_PONDW3	10Y-24H	0.05	-71.37	8.74	-5.68	-5.68	-5.68
EX18S11_WEIR	10Y-24H	0.00	0.00	0.00	0.00	0.00	0.00
EX18S12_18GW12	10Y-24H	2.33	-0.06	-0.06	0.00	0.00	0.00
EX18S12_WEIR	10Y-24H	2.34	0.00	0.00	0.96	0.96	0.96
EX18S14_PONDW5	10Y-24H	0.37	-69.68	8.44	-5.55	-5.55	-5.55
EX18S14_WEIR	10Y-24H	0.00	-0.78	0.00	0.00	0.00	0.00
EX18S16_18GW16	10Y-24H	3.26	-0.04	-0.04	0.00	0.00	0.00
EX18S16_WEIR	10Y-24H	3.27	0.00	0.00	1.05	1.05	1.05
EX18S17_EX18S22	10Y-24H	2.10	-0.68	-2.10	0.17	0.17	0.17
EX18S17_WEIR	10Y-24H	0.82	0.00	0.00	0.00	0.00	0.00
EX18S20_18GW20	10Y-24H	0.03	0.00	0.00	0.00	0.00	0.00
EX18S20_WEIR	10Y-24H	0.25	0.00	-0.01	0.02	0.02	0.02

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX18S21_18GW21	10Y-24H	5.84	-0.08	-0.08	0.00	0.00	0.00
EX18S21_WEIR	10Y-24H	5.85	0.00	0.00	1.23	1.23	1.23
EX18S22_NLC	10Y-24H	4.45	-0.09	3.38	0.35	0.35	0.35
EX18S22_WEIR	10Y-24H	1.77	0.00	0.00	0.92	0.92	0.92
PROP18S08_18GW08	10Y-24H	5.56	-0.16	-0.16	0.00	0.00	0.00
EX18PONDW1_PONDW2	10Y-8H	6.55	-1.31	-0.02	2.04	2.99	2.51
EX18PONDW6_PONDW4	10Y-8H	15.35	0.00	0.01	3.16	5.83	4.49
EX18S01_18GW01	10Y-8H	0.27	0.00	0.00	0.00	0.00	0.00
EX18S01_S02	10Y-8H	1.19	-0.19	0.77	0.38	0.38	0.38
EX18S02_18GW02	10Y-8H	0.27	0.00	0.00	0.00	0.00	0.00
EX18S02_S03	10Y-8H	1.01	-0.51	0.78	0.57	0.57	0.57
EX18S03_S04	10Y-8H	1.31	-0.47	-0.73	0.74	0.74	0.74
EX18S04_S05	10Y-8H	1.14	-0.46	0.61	0.64	0.64	0.64
EX18S05_S06	10Y-8H	1.73	-0.21	-0.34	0.98	0.98	0.98
EX18S06_PONDW1	10Y-8H	1.79	-0.24	0.10	1.32	-1.95	1.33
EX18S08_18GW08	10Y-8H	20.74	-0.40	-0.40	0.00	0.00	0.00
EX18S08_WEIR	10Y-8H	30.96	0.00	0.01	2.09	2.09	2.09
EX18S10_18GW10	10Y-8H	3.96	-0.08	-0.08	0.00	0.00	0.00
EX18S10_WEIR	10Y-8H	3.97	0.00	0.00	1.10	1.10	1.10
EX18S11_PONDW3	10Y-8H	8.42	-71.37	8.74	-5.68	-5.68	-5.68
EX18S11_WEIR	10Y-8H	8.40	-4.80	-0.54	-1.20	-1.20	-1.20
EX18S12_18GW12	10Y-8H	3.74	-0.09	-0.09	0.00	0.00	0.00
EX18S12_WEIR	10Y-8H	3.75	0.00	-0.03	1.06	1.06	1.06
EX18S14_PONDW5	10Y-8H	10.06	-69.68	8.44	-5.55	-5.55	-5.55
EX18S14_WEIR	10Y-8H	10.04	-3.61	0.52	-1.07	-1.07	-1.07
EX18S16_18GW16	10Y-8H	3.70	-0.06	-0.06	0.00	0.00	0.00
EX18S16_WEIR	10Y-8H	3.72	0.00	-0.04	1.10	1.10	1.10
EX18S17_EX18S22	10Y-8H	19.96	-0.93	5.10	1.59	1.59	1.59
EX18S17_WEIR	10Y-8H	19.96	0.00	-0.02	2.06	2.06	2.06
EX18S20_18GW20	10Y-8H	0.04	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX18S20_WEIR	10Y-8H	0.39	-0.02	-0.02	0.04	0.04	0.04
EX18S21_18GW21	10Y-8H	6.60	-0.10	-0.10	0.00	0.00	0.00
EX18S21_WEIR	10Y-8H	6.63	0.00	0.00	1.27	1.27	1.27
EX18S22_NLC	10Y-8H	34.60	-0.16	-3.57	2.75	2.75	2.75
EX18S22_WEIR	10Y-8H	14.71	0.00	0.01	1.86	1.86	1.86
PROP18S08_18GW08	10Y-8H	10.22	-0.20	-0.20	0.00	0.00	0.00
EX18PONDW1_PONDW2	25Y-72H	13.80	-3.19	0.09	2.69	4.43	3.49
EX18PONDW6_PONDW4	25Y-72H	23.67	0.00	0.02	4.82	6.85	5.84
EX18S01_18GW01	25Y-72H	0.49	0.00	0.00	0.00	0.00	0.00
EX18S01_S02	25Y-72H	3.59	-0.04	0.65	1.14	1.14	1.14
EX18S02_18GW02	25Y-72H	0.48	0.00	0.00	0.00	0.00	0.00
EX18S02_S03	25Y-72H	3.03	-0.30	0.68	1.72	1.72	1.72
EX18S03_S04	25Y-72H	3.93	-0.30	0.72	2.22	2.22	2.22
EX18S04_S05	25Y-72H	3.85	-0.28	0.58	2.18	2.18	2.18
EX18S05_S06	25Y-72H	5.26	-0.09	0.40	2.98	2.98	2.98
EX18S06_PONDW1	25Y-72H	5.51	-0.02	-0.25	3.12	4.11	3.18
EX18S08_18GW08	25Y-72H	27.64	-0.17	-0.17	0.00	0.00	0.00
EX18S08_WEIR	25Y-72H	41.26	0.00	0.01	1.90	1.90	1.90
EX18S10_18GW10	25Y-72H	5.01	-0.03	-0.03	0.00	0.00	0.00
EX18S10_WEIR	25Y-72H	5.03	0.00	-0.02	0.98	0.98	0.98
EX18S11_PONDW3	25Y-72H	18.63	-71.37	8.74	-5.68	-5.68	-5.68
EX18S11_WEIR	25Y-72H	18.59	-9.87	0.92	-1.58	-1.58	-1.58
EX18S12_18GW12	25Y-72H	4.72	-0.03	-0.03	0.00	0.00	0.00
EX18S12_WEIR	25Y-72H	4.74	0.00	0.03	0.94	0.94	0.94
EX18S14_PONDW5	25Y-72H	23.14	-69.68	8.44	-5.55	-5.55	-5.55
EX18S14_WEIR	25Y-72H	23.10	-6.12	0.71	-1.33	-1.33	-1.33
EX18S16_18GW16	25Y-72H	4.39	-0.02	-0.02	0.00	0.00	0.00
EX18S16_WEIR	25Y-72H	4.42	0.00	0.04	0.99	0.99	0.99
EX18S17_EX18S22	25Y-72H	43.66	-0.70	4.30	3.47	3.47	3.47
EX18S17_WEIR	25Y-72H	43.69	0.00	-0.03	2.57	2.57	2.57

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX18S20_18GW20	25Y-72H	0.05	0.00	0.00	0.00	0.00	0.00
EX18S20_WEIR	25Y-72H	0.31	-0.06	-0.01	0.02	0.02	0.02
EX18S21_18GW21	25Y-72H	6.93	-0.04	-0.04	0.00	0.00	0.00
EX18S21_WEIR	25Y-72H	6.94	0.00	0.00	1.16	1.16	1.16
EX18S22_NLC	25Y-72H	70.40	-0.13	-3.53	5.60	5.60	5.60
EX18S22_WEIR	25Y-72H	26.87	0.00	0.02	2.27	2.27	2.27
PROP18S08_18GW08	25Y-72H	13.62	-0.08	-0.08	0.00	0.00	0.00

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S01	100Y-1H	6708	6696	12
EX18S01	100Y-24H	25238	25241	-3
EX18S01	100Y-8H	15616	15629	-13
EX18S01	10Y-1H	3598	3592	6
EX18S01	10Y-24H	13995	14007	-12
EX18S01	10Y-8H	9210	9213	-3
EX18S01	25Y-72H	27713	27569	144

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S02	100Y-1H	7407	7422	-15
EX18S02	100Y-24H	19062	19006	55
EX18S02	100Y-8H	12460	12419	42
EX18S02	10Y-1H	4439	4440	-1
EX18S02	10Y-24H	10559	10497	62
EX18S02	10Y-8H	7603	7606	-3
EX18S02	25Y-72H	22150	21835	315

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S03	100Y-1H	8067	8028	38
EX18S03	100Y-24H	17394	17419	-24
EX18S03	100Y-8H	12340	12359	-20
EX18S03	10Y-1H	4770	4746	24
EX18S03	10Y-24H	9027	9155	-128
EX18S03	10Y-8H	7432	7428	4
EX18S03	25Y-72H	20072	20130	-58

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S04	100Y-1H	6917	6939	-22
EX18S04	100Y-24H	15554	15555	0
EX18S04	100Y-8H	11064	11059	5
EX18S04	10Y-1H	3663	3677	-14
EX18S04	10Y-24H	7268	7240	28
EX18S04	10Y-8H	6058	6045	12

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S04	25Y-72H	16538	16497	40

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S05	100Y-1H	9249	9264	-14
EX18S05	100Y-24H	24360	24428	-68
EX18S05	100Y-8H	17488	17497	-10
EX18S05	10Y-1H	4823	4837	-14
EX18S05	10Y-24H	12282	12300	-18
EX18S05	10Y-8H	10092	10101	-10
EX18S05	25Y-72H	24325	24443	-118

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S06	100Y-1H	8528	8523	5
EX18S06	100Y-24H	24578	24537	40
EX18S06	100Y-8H	17807	17811	-4
EX18S06	10Y-1H	4032	4029	3
EX18S06	10Y-24H	11696	11628	68
EX18S06	10Y-8H	9928	9928	-1
EX18S06	25Y-72H	22627	22483	145

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S08	100Y-1H	355763	355763	0
EX18S08	100Y-24H	1062618	1062618	0
EX18S08	100Y-8H	669322	669322	0
EX18S08	10Y-1H	254971	254971	0
EX18S08	10Y-24H	694625	694625	0
EX18S08	10Y-8H	492550	492550	0
EX18S08	25Y-72H	1090712	1090577	135

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S10	100Y-1H	44573	44573	0
EX18S10	100Y-24H	153858	153858	0
EX18S10	100Y-8H	85013	85013	0
EX18S10	10Y-1H	33825	33825	0
EX18S10	10Y-24H	97096	97096	0
EX18S10	10Y-8H	67572	67572	0
EX18S10	25Y-72H	137189	137156	33

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S11	100Y-1H	54744	54645	99
EX18S11	100Y-24H	5880	5778	102
EX18S11	100Y-8H	116441	116341	100
EX18S11	10Y-1H	22285	22185	100
EX18S11	10Y-24H	169	67	102
EX18S11	10Y-8H	49249	49152	97
EX18S11	25Y-72H	94186	94100	86

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S12	100Y-1H	31230	31230	0
EX18S12	100Y-24H	128440	128440	0
EX18S12	100Y-8H	74533	74533	0
EX18S12	10Y-1H	23634	23635	0
EX18S12	10Y-24H	74241	74242	0
EX18S12	10Y-8H	56253	56254	0
EX18S12	25Y-72H	111124	111090	33

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S14	100Y-1H	61665	61569	96
EX18S14	100Y-24H	20659	20561	98
EX18S14	100Y-8H	126204	126115	89
EX18S14	10Y-1H	24967	24867	100
EX18S14	10Y-24H	4345	4249	96
EX18S14	10Y-8H	51336	51249	87
EX18S14	25Y-72H	100308	100212	96

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S16	100Y-1H	27935	27936	0
EX18S16	100Y-24H	197981	197981	0
EX18S16	100Y-8H	80596	80596	0
EX18S16	10Y-1H	22807	22807	0
EX18S16	10Y-24H	156476	156476	0
EX18S16	10Y-8H	69622	69623	0
EX18S16	25Y-72H	196712	196678	33

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S17	100Y-1H	115500	115508	-9
EX18S17	100Y-24H	33936	34693	-757
EX18S17	100Y-8H	207967	208080	-113
EX18S17	10Y-1H	54683	54695	-13
EX18S17	10Y-24H	4566	4725	-160
EX18S17	10Y-8H	94055	94242	-188
EX18S17	25Y-72H	165012	165075	-63

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S20	100Y-1H	2152	2014	138
EX18S20	100Y-24H	3000	2865	135
EX18S20	100Y-8H	2390	2254	136
EX18S20	10Y-1H	1947	1810	138
EX18S20	10Y-24H	2713	2578	135
EX18S20	10Y-8H	2169	2033	136
EX18S20	25Y-72H	5409	5271	138

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S21	100Y-1H	96109	96109	0
EX18S21	100Y-24H	360447	360447	0
EX18S21	100Y-8H	151889	151888	0
EX18S21	10Y-1H	82343	82343	0
EX18S21	10Y-24H	280659	280659	0
EX18S21	10Y-8H	130632	130631	0

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S21	25Y-72H	351142	351081	61

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX18S22	100Y-1H	184041	184043	-2
EX18S22	100Y-24H	126232	125532	700
EX18S22	100Y-8H	376161	376176	-15
EX18S22	10Y-1H	83606	83594	12
EX18S22	10Y-24H	18786	18786	-1
EX18S22	10Y-8H	186994	186847	147
EX18S22	25Y-72H	300230	300157	73

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-1	100Y-1H	3780	0	3780
GWT-1	100Y-24H	10446	1	10444
GWT-1	100Y-8H	6032	3	6030
GWT-1	10Y-1H	2694	0	2694
GWT-1	10Y-24H	7439	3	7435
GWT-1	10Y-8H	4405	6	4399
GWT-1	25Y-72H	12974	1	12973

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-10	100Y-1H	44573	0	44573
GWT-10	100Y-24H	153858	1	153857
GWT-10	100Y-8H	85013	1	85012
GWT-10	10Y-1H	33825	0	33825
GWT-10	10Y-24H	97096	1	97095
GWT-10	10Y-8H	67572	2	67570
GWT-10	25Y-72H	137156	1	137155

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-12	100Y-1H	31230	0	31230
GWT-12	100Y-24H	128440	1	128439
GWT-12	100Y-8H	74533	1	74532
GWT-12	10Y-1H	23635	0	23635
GWT-12	10Y-24H	74242	2	74240
GWT-12	10Y-8H	56254	3	56251
GWT-12	25Y-72H	111090	1	111089

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-16	100Y-1H	27936	0	27936
GWT-16	100Y-24H	197981	1	197980
GWT-16	100Y-8H	80596	1	80595
GWT-16	10Y-1H	22807	0	22807
GWT-16	10Y-24H	156476	1	156475
GWT-16	10Y-8H	69623	1	69621
GWT-16	25Y-72H	196678	1	196678

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-2	100Y-1H	3781	0	3781
GWT-2	100Y-24H	10434	1	10433
GWT-2	100Y-8H	6024	3	6022
GWT-2	10Y-1H	2697	0	2697
GWT-2	10Y-24H	7434	3	7431
GWT-2	10Y-8H	4404	6	4398
GWT-2	25Y-72H	12954	1	12953

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-20	100Y-1H	1712	0	1712
GWT-20	100Y-24H	2858	0	2858
GWT-20	100Y-8H	2040	0	2040
GWT-20	10Y-1H	1641	0	1641
GWT-20	10Y-24H	2576	0	2576
GWT-20	10Y-8H	1900	0	1900
GWT-20	25Y-72H	5017	0	5017

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-21	100Y-1H	96109	0	96109
GWT-21	100Y-24H	360447	2	360445
GWT-21	100Y-8H	151888	3	151886
GWT-21	10Y-1H	82343	0	82343
GWT-21	10Y-24H	280659	3	280657
GWT-21	10Y-8H	130631	4	130628
GWT-21	25Y-72H	351081	1	351079

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-8	100Y-1H	355763	0	355763
GWT-8	100Y-24H	1062618	4	1062614
GWT-8	100Y-8H	669322	6	669315
GWT-8	10Y-1H	254971	0	254971
GWT-8	10Y-24H	694625	6	694618
GWT-8	10Y-8H	492550	10	492540
GWT-8	25Y-72H	1090577	3	1090574

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
NLC	100Y-1H	183999	36	183963
NLC	100Y-24H	125470	83	125387
NLC	100Y-8H	376117	56	376061
NLC	10Y-1H	83551	36	83515
NLC	10Y-24H	18676	145	18531
NLC	10Y-8H	186767	72	186694
NLC	25Y-72H	300056	122	299934

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 18W1	100Y-1H	406017	404662	1355
POND 18W1	100Y-24H	1099901	1098587	1314
POND 18W1	100Y-8H	781005	779675	1329
POND 18W1	10Y-1H	275650	274292	1357
POND 18W1	10Y-24H	715445	714137	1308
POND 18W1	10Y-8H	544847	543519	1328

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 18W1	25Y-72H	1186231	1184948	1283

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 18W2	100Y-1H	96593	96493	100
POND 18W2	100Y-24H	157258	157139	119
POND 18W2	100Y-8H	198295	198180	115
POND 18W2	10Y-1H	53297	53196	101
POND 18W2	10Y-24H	97212	97095	117
POND 18W2	10Y-8H	113547	113431	116
POND 18W2	25Y-72H	228083	227964	119

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 18W3	100Y-1H	93576	93526	50
POND 18W3	100Y-24H	131118	131072	46
POND 18W3	100Y-8H	196612	196564	48
POND 18W3	10Y-1H	48912	48862	50
POND 18W3	10Y-24H	74455	74409	47
POND 18W3	10Y-8H	105068	105016	52
POND 18W3	25Y-72H	210758	210695	63

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 18W4	100Y-1H	164742	164606	137
POND 18W4	100Y-24H	452041	451901	140
POND 18W4	100Y-8H	320052	319911	141
POND 18W4	10Y-1H	111350	111217	133
POND 18W4	10Y-24H	294711	294572	139
POND 18W4	10Y-8H	223446	223307	139
POND 18W4	25Y-72H	486325	486174	151

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 18W5	100Y-1H	149154	149118	37
POND 18W5	100Y-24H	252515	252482	33
POND 18W5	100Y-8H	296949	296908	41
POND 18W5	10Y-1H	83015	82983	32
POND 18W5	10Y-24H	165312	165276	36
POND 18W5	10Y-8H	170299	170256	43
POND 18W5	25Y-72H	367416	367378	39

Node Mass Balance Condensed [System 18 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 18W6	100Y-1H	128242	126660	1583
POND 18W6	100Y-24H	347234	345845	1390
POND 18W6	100Y-8H	246448	245007	1441
POND 18W6	10Y-1H	87417	85859	1558
POND 18W6	10Y-24H	227302	225942	1360
POND 18W6	10Y-8H	172747	171331	1417
POND 18W6	25Y-72H	375363	373768	1595

System 19

Pre-Development Land Use Tables
Post-Development Land Use Tables
Water Quality Summary Table
Drainage Calculations
Drainage System Summary Tables
Pre-Development Node Link Diagram
Pre-Development ICPR Input/Output
Post-Development Node Link Diagram
Post-Development ICPR Input/Output

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

TABLE 19-1: PRE-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 19 **SHGWT EL. (ft-NAVD): 1.43**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
POND 19W12	**10**	**10.18**	**10.18**	6.98	0.00	3.20	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**98.00**
POND 19W13	**10**	**9.72**	**9.72**	6.89	0.00	2.83	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**98.00**
POND 19W14	**10**	**2.96**	**2.96**	1.05	0.00	1.91	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**97.18**
POND 19W15	**10**	**7.13**	**7.13**	3.00	0.00	4.13	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**97.46**
SYSTEM 19 TOTALS		**29.99**	**29.99**	**17.92**	**0.00**	**12.07**	**0.00**	**0.00**	**0.00**	**0.00**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

DRAINAGE BASIN: 19 **SHGWT EL. (ft-NAVD): 1.43**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
POND 19W12	**10**	**10.50**	**10.50**	8.35	0.00	2.15	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**98.00**
POND 19W13	**10**	**9.57**	**9.57**	6.94	0.00	2.63	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**98.00**
POND 19W14	**10**	**3.08**	**3.08**	1.26	0.00	1.82	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**97.41**
POND 19W15	**10**	**7.13**	**7.13**	3.00	0.00	4.13	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**97.46**
SYSTEM TOTALS		**30.28**	**30.28**	**19.55**	**0.00**	**10.73**	**0.00**	**0.00**	**0.00**	**0.00**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS
WATER QUALITY

Drainage System: ***19***

SYSTEM	SHGWT EL. (ft-NAVD)	TOTAL ONSITE AREA (Ac.) *[POST-DEV.]*	ONSITE IMPERVIOUS AREA (Ac.) *[POST-DEV.]*	ONSITE PERVIOUS AREA (Ac.) *[POST-DEV.]*	SFWMD 1" OVER TOTAL ONSITE AREA (Ac-ft)	SFWMD 2.5" OVER IMPERVIOUS AREA (Ac-ft)	[1] SFWMD WATER QUALITY TREATMENT REQUIRED FOR RETENTION (Ac-ft)	[2] DRER WATER QUALITY TREATMENT REQUIRED (Ac-ft)	DRY- / WET-RETENTION TREATMENT VOLUME PROVIDED (Ac-ft)	FRENCH DRAIN TREATMENT VOLUME PROVIDED (Ac-ft)	TOTAL TREATMENT VOLUME PROVIDED (Ac-ft)	SURPLUS TREATMENT VOLUME PROVIDED (Ac-ft)
19	1.43	30.28	19.55	10.73	2.52	4.07	**2.04**	**3.72**	1.59	0.00	**1.59**	**-2.13**
SYSTEM TOTAL	1.43	30.28	19.55	10.73	2.52	4.07	**2.04**	**3.72**	1.59	0.00	**1.59**	**-2.13**

[1] Greater of 1" over Total Onsite Area and 2.5" over Onsite Impervious Area, multiplied by 0.50 to account for 50% retention volume required.
[2] See next page for water quality calculations by Miami-Dade Department of Regulatory and Economic Resources (DRER).

POND 19W12			POND 19W13			POND 19W14			POND 19W15		
TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
6.43	0.14		2.43	0.99		2.43	0.74		2.43	0.27	
6.93	0.16	0.08	*2.93*	*1.03*	*0.51*	2.93	0.77	*0.38*	2.93	0.30	*0.14*
7.43	0.17	0.16	**2.94**	**1.03**	**0.52**	**2.94**	**0.77**	**0.39**	**2.94**	**0.30**	**0.15**
8.43	*0.19*	0.34	3.43	1.06	1.03	3.43	0.79	0.77	3.43	0.34	0.30
9.43	**0.22**	**0.54**	4.43	1.13	2.12	4.43	0.85	1.59	4.43	0.40	0.67
			5.43	1.20	3.29	5.43	0.91	2.47	5.43	0.46	1.10

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

TABLE 19-6: WATER QUALITY CALCULATIONS BY DRER

Drainage System: 19

AREA:

Onsite Impervious	**19.55**	Ac.	65%
Onsite Pervious	**10.73**	Ac.	35%
Total Area	**30.28**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.69 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV}) / A_T = \mathbf{0.69}$$

$t_{1"}$ = 13.96 min.

TOTAL TIME OF CONCENTRATION (T_T)

$T_T = t_{1"} + Tc =$ 23.96 min.

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.41 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ CiAT_t =$ **162033.07** **cf** **3.72** **ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

Variable Groundwater Calculations

Drainage System:	***19***

Stage = DHW + [PRG x (RF - DHW)]
See ADICPR Technical Design Guide 2-25

Elevation Conversion:	-1.57	ft.	(NGVD-NAVD)

DHW =	3.00	ft. - NGVD	Design High Water / October Average Groundwater Elevation
	1.43	ft. - NAVD	(MD PWD - W.C. 2.2)
RF =	4.00	ft. - NGVD	Return Frequency Groundwater Elevation / Average Yearly Highest Groundwater Level (AYH) (MD PWD
	2.43	ft. - NAVD	- W.C. 2.1)
PRG=	Variable		(Percentage Rise in Groundwater)

8-hr Design Storm Duration

Time	PRG	Stage
(hrs)	%	(ft)
0	0.00	1.43
1	0.02	1.45
2	0.13	1.56
3	0.28	1.71
4	0.70	2.13
5	0.86	2.29
6	0.92	2.35
7	0.97	2.40
8	1.00	2.43
12	0.00	1.43

24-hr Design Storm Duration

Time	PRG	Stage
(hrs)	%	(ft)
0	0.00	1.43
1	0.01	1.44
2	0.03	1.46
3	0.06	1.49
4	0.09	1.52
5	0.12	1.55
6	0.16	1.59
7	0.20	1.63
8	0.24	1.67
9	0.30	1.73
10	0.36	1.79
11	0.44	1.87
12	0.54	1.97
13	0.61	2.04
14	0.67	2.10
15	0.73	2.16
16	0.78	2.21
17	0.82	2.25
18	0.86	2.29
19	0.90	2.33
20	0.93	2.36
21	0.96	2.39
22	0.98	2.41
23	0.99	2.42
24	1.00	2.43
36	0.00	1.43

72-hr Design Storm Duration

Time	PRG	Stage
(hrs)	%	(ft)
0	0.00	1.43
24	0.11	1.54
36	0.19	1.62
48	0.26	1.69
49	0.27	1.70
50	0.28	1.71
51	0.29	1.72
52	0.30	1.73
53	0.31	1.74
54	0.33	1.76
55	0.34	1.77
56	0.37	1.80
57	0.39	1.82
57.5	0.40	1.83
58	0.42	1.85
58.5	0.44	1.87
59	0.46	1.89
59.5	0.50	1.93
60	0.75	2.18
60.5	0.80	2.23
61	0.83	2.26
61.5	0.85	2.28
62	0.87	2.30
62.5	0.88	2.31
63	0.89	2.32
64	0.91	2.34
65	0.92	2.35
66	0.94	2.37
68	0.96	2.39
70	0.98	2.41
72	1.00	2.43
108	0.00	1.43

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

VARIABLE TAILWATER*

FOR SYSTEM 19:

8HR			24HR			72HR		
TIME	STAGE (FT-NGVD)	STAGE (FT-NGVD)	TIME	STAGE (FT-NGVD)	STAGE (FT-NGVD)	TIME	STAGE (FT-NGVD)	STAGE (FT-NGVD)
0.00	3.00	1.43	0.00	3.00	1.43	0.00	3.00	1.43
8.00	4.00	2.43	24.00	4.00	2.43	72.00	4.00	2.43
12.00	3.00	1.43	36.00	3.00	1.43	108.00	3.00	1.43

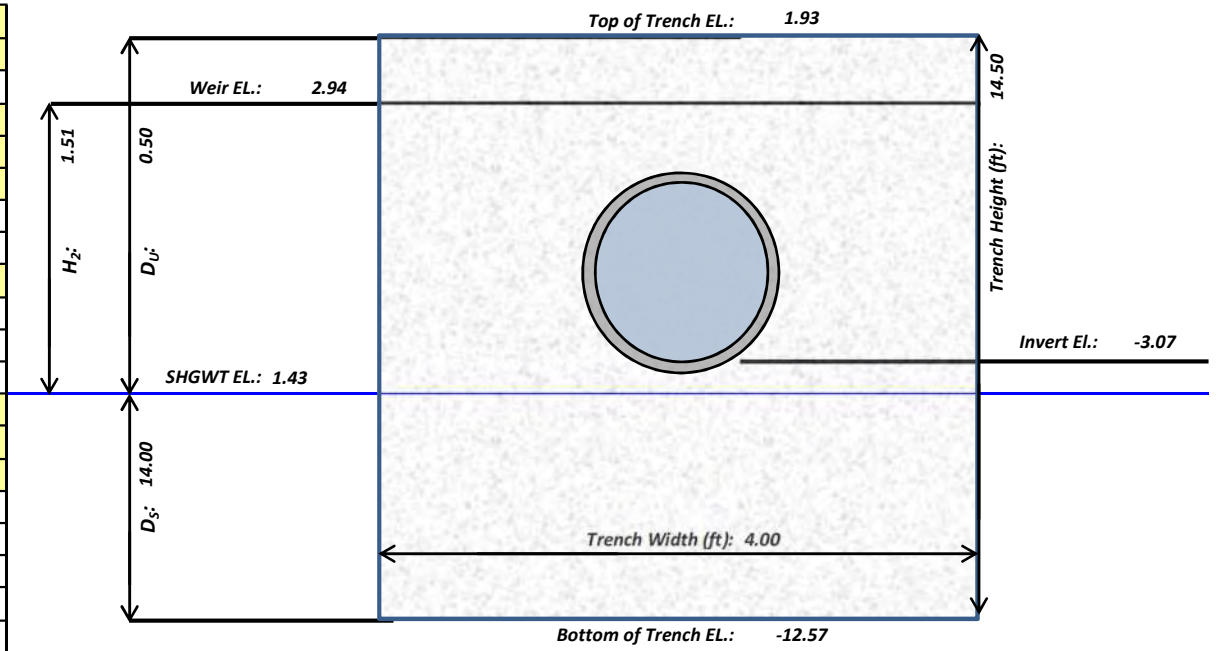
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 19

French Drain (ICPR Link Name):	EX19S01_19GW01
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	184.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	92.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	2.94
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.51
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	6.04
$2H_2D_U$:	1.51
D_U^2:	0.25
$2H_2D_S$:	42.28
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	9.10E-06
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	1.54E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	0.06
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.06**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 19

French Drain (ICPR Link Name): **EX19S01_19GW01**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **92.00**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **2.94**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.00090	**0.0828**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	0.50	14.00	4.01	0.00723	**0.6653**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.44**	-0.50	15.00	3.01	0.00543	**0.4993**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**0.0828**
1.43	**5.44**	**0.6653**
2.43	**2.43**	**0.0000**
2.43	**5.44**	**0.4993**

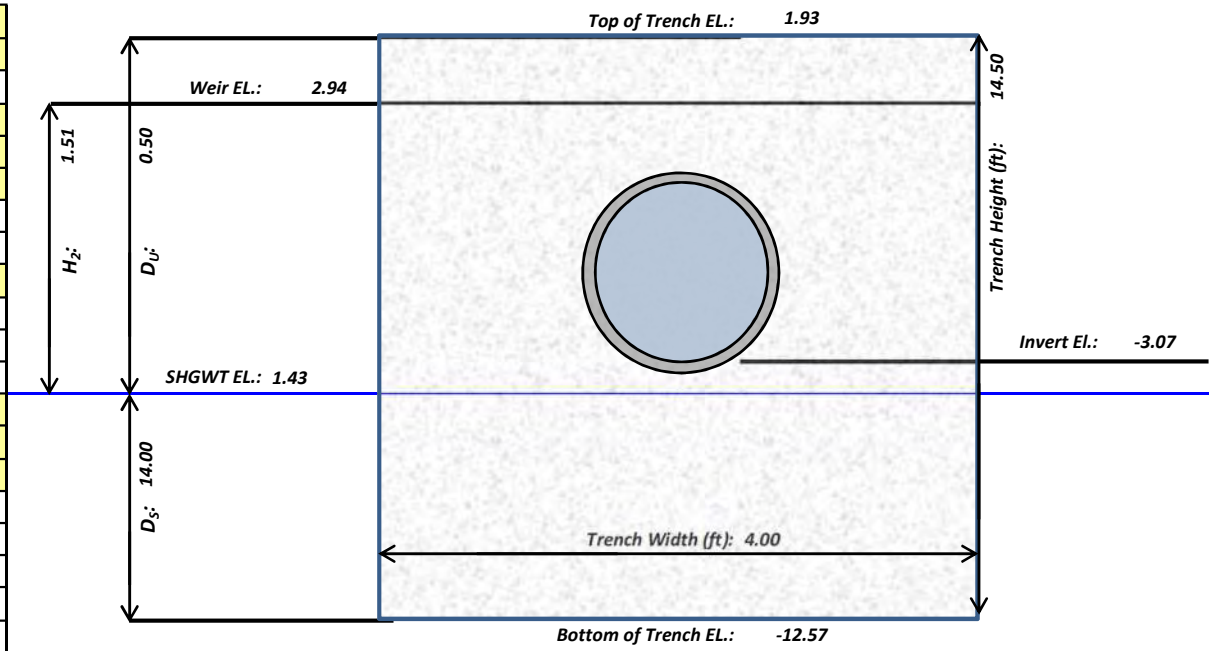
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 19

French Drain (ICPR Link Name):	EX19S04_19GW04
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	134.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	67.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	2.94
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.51
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	6.04
$2H_2D_U$:	1.51
D_U^2:	0.25
$2H_2D_S$:	42.28
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
K_{10} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	9.10E-06
K_{15} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	1.54E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	0.05
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.05**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 19

French Drain (ICPR Link Name): **EX19S04_19GW04**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **67.00**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **2.94**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.00090	**0.0603**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	0.50	14.00	4.01	0.00723	**0.4845**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.44**	-0.50	15.00	3.01	0.00543	**0.3636**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**0.0603**
1.43	**5.44**	**0.4845**
2.43	**2.43**	**0.0000**
2.43	**5.44**	**0.3636**

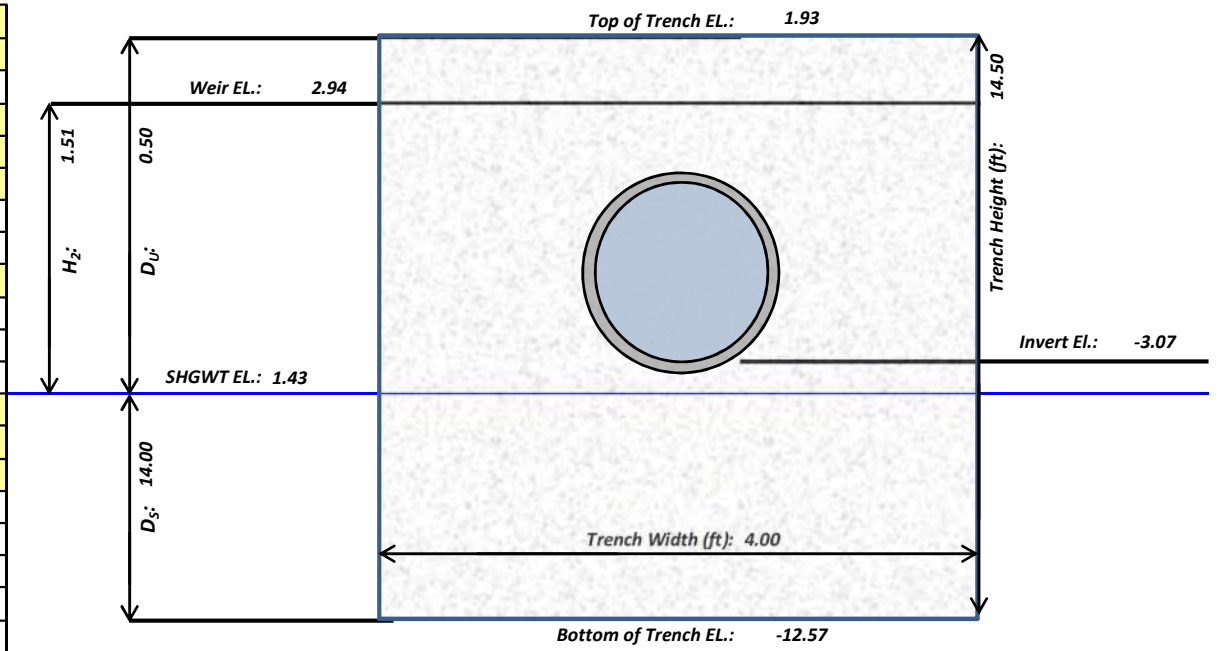
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 19

French Drain (ICPR Link Name):	EX19S06_19GW06
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	134.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	67.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	2.94
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.51
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	6.04
$2H_2D_U$:	1.51
D_U^2:	0.25
$2H_2D_S$:	42.28
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	3.82E-05
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	1.78E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	0.13
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.13**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 19

French Drain (ICPR Link Name): **EX19S06_19GW06**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **67.00**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **2.94**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.00143	**0.0961**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	0.50	14.00	4.01	0.01157	**0.7752**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.44**	-0.50	15.00	3.01	0.00868	**0.5817**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**0.0961**
1.43	**5.44**	**0.7752**
2.43	**2.43**	**0.0000**
2.43	**5.44**	**0.5817**

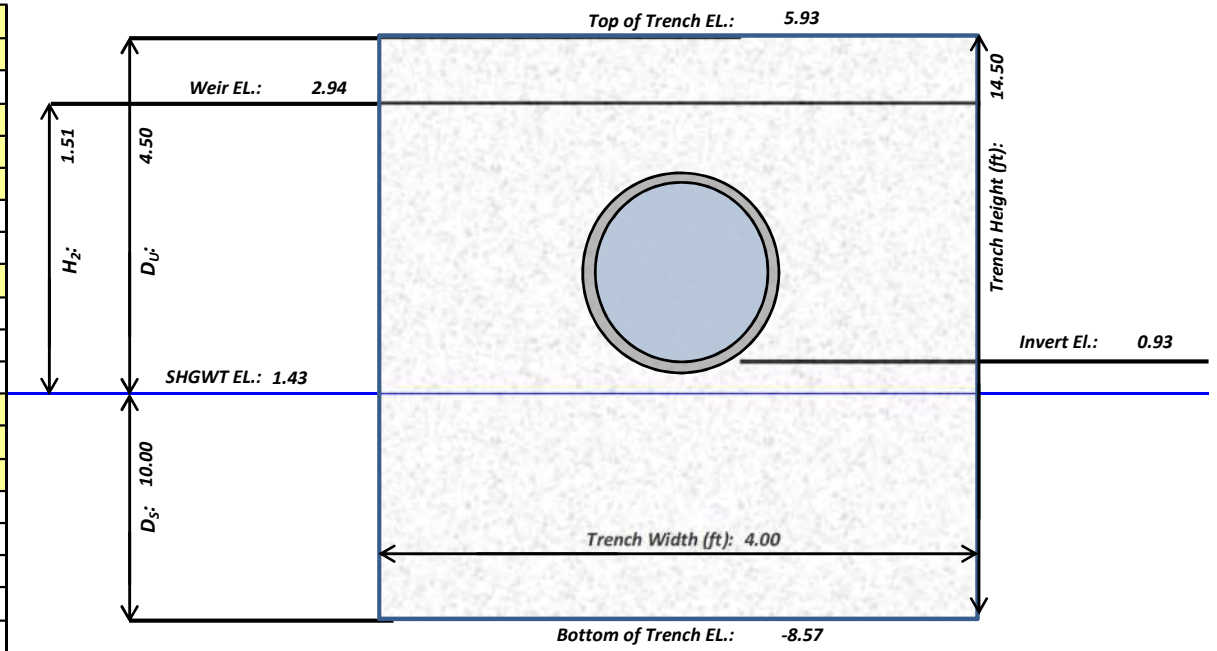
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 19

French Drain (ICPR Link Name):	EX19S10_19GW08
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	184.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	92.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	0.93
Top of Trench EL. (ft-NAVD):	5.93
Bottom of Trench EL. (ft-NAVD):	-8.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	2.94
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.51
Non-Saturated Trench Depth, D_U (ft):	4.50
Saturated Trench Depth, D_S (ft):	10.00
H_2W:	6.04
$2H_2D_U$:	13.59
D_U^2:	20.25
$2H_2D_S$:	30.20
$(1.39x10^{-4})WD_U$:	0.002502
d_2:	0.00
d_3:	0.07
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	3.82E-05
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	1.78E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	0.31
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.31**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 19

French Drain (ICPR Link Name): **EX19S10_19GW08**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **92.00**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **0.93**
Top of Trench EL. (ft-NAVD): **5.93**
Bottom of Trench EL. (ft-NAVD): **-8.57**
Weir EL. (ft-NAVD): **2.94**
Upstream Structure Rim/Grate EL. (ft-NAVD): **6.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**5.93**	4.50	10.00	4.50	0.01222	**1.1244**	$E = 2K_{10}D_P(D_U/2+d_S)+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	4.50	10.00	4.01	0.01089	**1.0019**	$E = 2K_{10}D_P(D_U/2+d_S)+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.93**	3.50	11.00	3.50	0.00964	**0.8868**	$E = 2K_{10}D_P(D_U/2+d_S)+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.43	**5.44**	3.50	11.00	3.01	0.00829	**0.7627**	$E = 2K_{10}D_P(D_U/2+d_S)+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**5.93**	**1.1244**
1.43	**5.44**	**1.0019**
2.43	**2.43**	**0.0000**
2.43	**5.93**	**0.8868**
2.43	**5.44**	**0.7627**

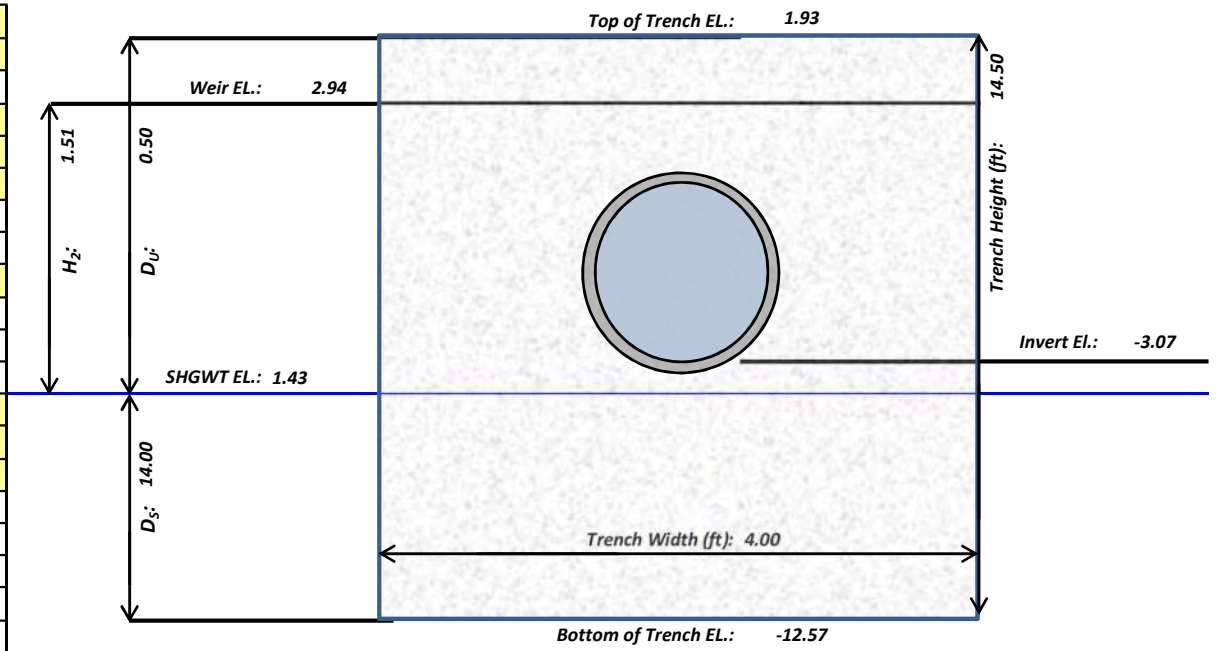
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 19

French Drain (ICPR Link Name):	**EX19S06_19GW06**
Existing/Proposed:	**Existing (Adding 251')**
SHGWT EL. (ft-NAVD):	**1.43**
Pipe Size (in):	**24**
Effective Length of French Drain, L (LF):	**385.0**
Safety Factor (SF):	**2.00**
Effective Length of French Drain with Safety Factor, L (LF):	**192.50**
Pipe Thickness (in):	**3.00**
Pipe Invert EL. (ft-NAVD):	**-3.07**
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	2.94
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	**N/A***
Depth to Water Table, H_2 (ft):	1.51
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	6.04
$2H_2D_U$:	1.51
D_U^2:	0.25
$2H_2D_S$:	42.28
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	3.82E-05
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	1.78E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	**N/A***
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	**0.37**
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.37**

**Note: FD not considered for water quality purposes*



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 19

French Drain (ICPR Link Name): **EX19S06_19GW06**
Existing/Proposed: **Existing (Adding 251')**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **192.50**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **2.94**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.00143	**0.2761**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	0.50	14.00	4.01	0.01157	**2.2273**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.44**	-0.50	15.00	3.01	0.00868	**1.6714**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**0.2761**
1.43	**5.44**	**2.2273**
2.43	**2.43**	**0.0000**
2.43	**5.44**	**1.6714**

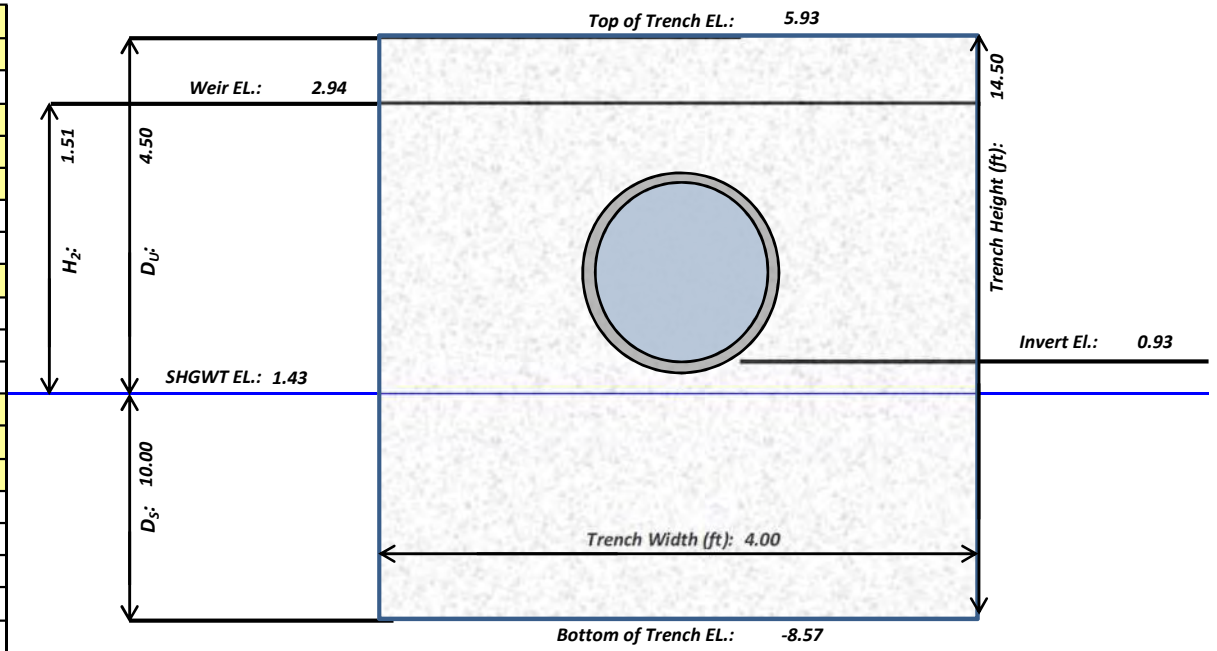
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 19

French Drain (ICPR Link Name):	EX19S10_19GW10
Existing/Proposed:	Proposed
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	243.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	121.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	0.93
Top of Trench EL. (ft-NAVD):	5.93
Bottom of Trench EL. (ft-NAVD):	-8.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	2.94
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.51
Non-Saturated Trench Depth, D_U (ft):	4.50
Saturated Trench Depth, D_S (ft):	10.00
H_2W:	6.04
$2H_2D_U$:	13.59
D_U^2:	20.25
$2H_2D_S$:	30.20
$(1.39x10^{-4})WD_U$:	0.002502
d_2:	0.00
d_3:	0.07
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	3.82E-05
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	1.78E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	0.41
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.41**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 19

French Drain (ICPR Link Name): **EX19S10_19GW10**
Existing/Proposed: **Proposed**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **121.50**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **0.93**
Top of Trench EL. (ft-NAVD): **5.93**
Bottom of Trench EL. (ft-NAVD): **-8.57**
Weir EL. (ft-NAVD): **2.94**
Upstream Structure Rim/Grate EL. (ft-NAVD): **9.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***6.43***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**5.93**	4.50	10.00	4.50	0.01222	**1.4849**	$E = 2K_{10}D_P(D_U/2+d_S)+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**6.43**	4.50	10.00	5.00	0.01358	**1.6499**	$E = 2K_{10}D_P(D_U/2+d_S)+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.93**	3.50	11.00	3.50	0.00964	**1.1712**	$E = 2K_{10}D_P(D_U/2+d_S)+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.43	**6.43**	3.50	11.00	4.00	0.01102	**1.3385**	$E = 2K_{10}D_P(D_U/2+d_S)+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**5.93**	**1.4849**
1.43	**6.43**	**1.6499**
2.43	**2.43**	**0.0000**
2.43	**5.93**	**1.1712**
2.43	**6.43**	**1.3385**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS
DRAINAGE SYSTEM SUMMARY TABLES

Drainage Basin: ***19***

Summary of Peak Discharges

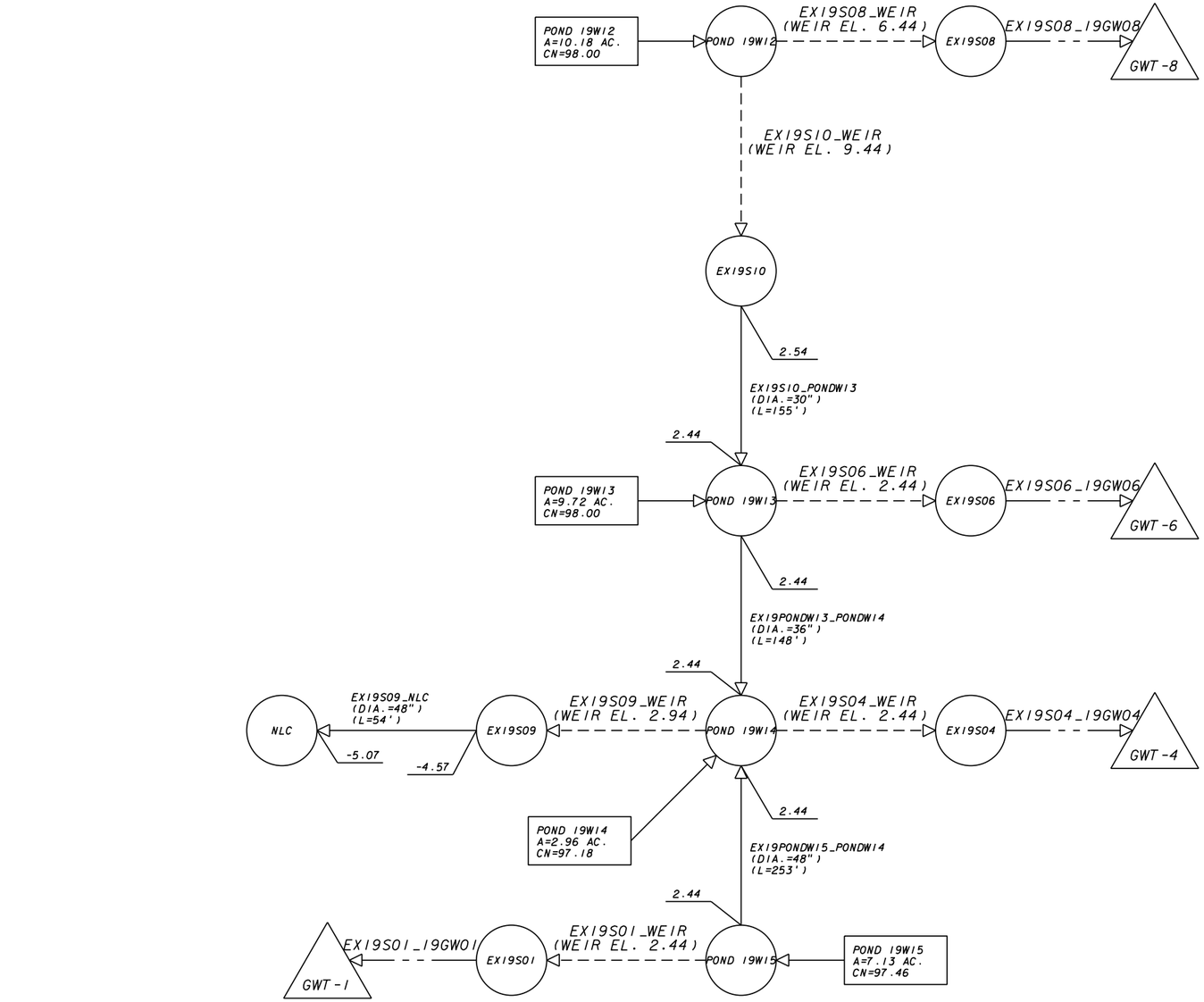
Receiving Waterbody:	NORTH LINE CANAL							
PRE-DEVELOPMENT								
ICPR Link/Basin:	**Outfall Pipe / Weir Description:**	**Flow Area (ft^2)**	**10yr-24hr Peak Flow Rate (cfs)**	**10yr-24hr Peak Flow Velocity (fps)**	**25yr-72hr Peak Flow Rate (cfs)**	**25yr-72hr Peak Flow Velocity (fps)**	**100yr-24hr Peak Flow Rate (cfs)**	**100yr-24hr Peak Flow Velocity (fps)**
EX19S09_NLC	48" Pipe	12.57	17.45	1.39	78.23	6.23	31.93	2.54
PRE-DEVELOPMENT TOTALS:		--	--	--	**78.23**	--	--	--
POST-DEVELOPMENT								
ICPR Link/Basin:	**Outfall Pipe / Weir Description:**	**Flow Area (ft^2)**	**10yr-24hr Peak Flow Rate (cfs)**	**10yr-24hr Peak Flow Velocity (fps)**	**25yr-72hr Peak Flow Rate (cfs)**	**25yr-72hr Peak Flow Velocity (fps)**	**100yr-24hr Peak Flow Rate (cfs)**	**100yr-24hr Peak Flow Velocity (fps)**
EX19S09_NLC	48" pIPE	12.57	12.49	0.99	61.28	4.88	18.69	1.49
POST-DEVELOPMENT TOTALS:		--	--	--	**61.28**	--	--	--
Pre-Post 25yr-72hr Peak Discharge Reduction (cfs):				***16.95***				

Summary of Peak Stages

Pond/ Swale/ FD #	Type: [Wet/Dry, Det./Ret., FD]	Disposition [Exist./ Prop./ Modified]	Warning EL. [Min. Berm/ Min. EOP] (ft-NAVD)	PRE-DEVELOPMENT			POST-DEVELOPMENT		
				Max 10yr-24hr Stage (ft-NAVD)	Max 25yr-72hr Stage (ft-NAVD)	Max 100yr-24hr Stage (ft-NAVD)	Max 10yr-24hr Stage (ft-NAVD)	Max 25yr-72hr Stage (ft-NAVD)	Max 100yr-24hr Stage (ft-NAVD)
POND 19W12	DRY RETENTION	Modified	16.73	9.67	10.50	9.76	9.71	10.46	9.80
POND 19W13	DRY RETENTION	Exist.	17.86	4.28	7.01	5.08	3.51	4.83	3.78
POND 19W14	DRY RETENTION	Exist.	5.43	3.31	4.01	3.50	3.23	3.80	3.33
POND 19W15	DRY RETENTION	Exist.	5.43	3.67	5.54	3.96	3.68	5.54	4.00

Control Structure Summary Table - Proposed Conditions

Control Structure:	Disposition [Exist./ Prop./ Modified]	Weir Type/ Geometry	Weir EL. (ft-NAVD)	Bleeder Type/ Geometry	Bleeder Invert EL. (ft-NAVD)
EX19S09	Exist.	DBI/Horizontal Rectangular	2.94	N/A	N/A



LEGEND

19B05 A=0.08 AC. CN=80.13	CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER
EX19S04	NODE NAME
GWT-4	BOUNDARY NODE WITH VARIABLE TAILWATER
EX19S20_S22 (DIA.=24") (L=121') 2.44 2.44	PIPE LINK WITH SIZE-LENGTH INVERT ELEVATIONS
EX19S01_19GW1	RATING CURVE LINK
EX19S01_WEIR (EL. 3.20)	WEIR LINK WITH WEIR ELEVATION

SYSTEM 19

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JUAN C. GARCIA, P.E.
P.E. No.: 46597
AECOM TECHNICAL SERVICES, INC.
7650 CORPORATE CENTER DRIVE, SUITE 400
MIAMI, FL 33126-1220
CERTIFICATE OF AUTHORIZATION: 8115

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR-9	MIAMI-DADE	428358-5-32-03

NODE-LINK DIAGRAM (1 OF 1)
(PRE-DEV. CONDITIONS)

SHEET NO.

$USER$ $DATE$ $TIME$ $FILE$

Manual Basin: POND 19W12

Scenario: System 19 - Pre Dev
Node: POND 19W12
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
10.1800	POND 19W12	POND 19W12			

Comment:

Manual Basin: POND 19W13

Scenario: System 19 - Pre Dev
Node: POND 19W13
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
9.7200	POND 19W13	POND 19W13			

Comment:

Manual Basin: POND 19W14

Scenario: System 19 - Pre Dev
Node: POND 19W14
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
2.9600	POND 19W14	POND 19W14			

Comment:

Manual Basin: POND 19W15

Scenario: System 19 - Pre Dev
Node: POND 19W15
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
7.1300	POND 19W15	POND 19W15			

Comment:

Node: EX19S01

Scenario: System 19 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.07	0.0042	183
1.93	0.0042	183
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX19S04

Scenario: System 19 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0031	135
1.93	0.0031	135
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX19S06

Scenario: System 19 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 17.86 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0031	135
1.93	0.0031	135
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX19S08

Scenario: System 19 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 16.73 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.57	0.0042	183
5.93	0.0042	183
5.94	0.0006	26
6.43	0.0006	26
6.44	0.0060	261

Comment:

Node: EX19S09

Scenario: System 19 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0005	22
2.93	0.0005	22
2.94	0.0050	218

Comment:

Node: EX19S10

Scenario: System 19 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.53 ft
Warning Stage: 16.73 ft

Stage [ft]	Area [ac]	Area [ft2]
0.53	0.0006	26
9.43	0.0006	26
9.44	0.0060	261

Comment:

Node: GWT-1

Scenario: System 19 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-4

Scenario: System 19 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-4

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-6

Scenario: System 19 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-6

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-8

Scenario: System 19 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-8

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: NLC

Scenario: System 19 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: NLC

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: POND 19W12

Scenario: System 19 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.43 ft
Warning Stage: 16.73 ft

Stage [ft]	Area [ac]	Area [ft2]
6.43	0.4600	20038
6.93	0.5000	21780
7.43	0.5300	23087
8.43	0.6100	26572
9.43	0.6900	30056

Comment:

Node: POND 19W13

Scenario: System 19 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 17.86 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.9900	43124
2.93	1.0300	44867
3.43	1.0600	46174
4.43	1.1300	49223
5.43	1.2000	52272

Comment:

Node: POND 19W14

Scenario: System 19 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.7400	32234
2.93	0.7700	33541
3.43	0.7900	34412
4.43	0.8500	37026
5.43	0.9100	39640

Comment:

Node: POND 19W15

Scenario: System 19 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.2700	11761
2.93	0.3000	13068
3.43	0.3400	14810
4.43	0.4000	17424
5.43	0.4600	20038

Comment:

Pipe Link: EX19PONDW13_PONDW14		Upstream		Downstream	
Scenario:	System 19 - Pre Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 19W13	Geometry: Circular		Geometry: Circular	
To Node:	POND 19W14	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	148.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX19PONDW15_PONDW14		Upstream		Downstream	
Scenario:	System 19 - Pre Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 19W15	Geometry: Circular		Geometry: Circular	
To Node:	POND 19W14	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	253.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX19S01_19GW01

Scenario: System 19 - Pre Dev
From Node: EX19S01
To Node: GWT-1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX19S01	1.43	EX19S01	1.43	EX19S01

Comment:

Weir Link: EX19S01_WEIR

Scenario: System 19 - Pre Dev
From Node: POND 19W15
To Node: EX19S01
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 2.44 ft
Control Elevation: 2.44 ft
Max Depth: 5.33 ft
Max Width: 4.83 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Rating Curve Link: EX19S04_19GW04

Scenario: System 19 - Pre Dev
From Node: EX19S04
To Node: GWT-4
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX19S04	1.43	EX19S04	1.43	EX19S04

Comment:

Weir Link: EX19S04_WEIR

Scenario: System 19 - Pre Dev
From Node: POND 19W14
To Node: EX19S04

Bottom Clip
Default: 0.00 ft
Op Table:

Link Count:	1		
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.44 ft	Ref Node:	
Control Elevation:	2.44 ft	Discharge Coefficients	
Max Depth:	5.33 ft	Weir Default:	3.200
Max Width:	4.83 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Rating Curve Link: EX19S06_19GW06

Scenario: System 19 - Pre Dev
From Node: EX19S06
To Node: GWT-6
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX19S06	1.43	EX19S06	1.43	EX19S06

Comment:

Weir Link: EX19S06_WEIR

Scenario:	System 19 - Pre Dev	Bottom Clip	
From Node:	POND 19W13	Default:	0.00 ft
To Node:	EX19S06	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.44 ft	Discharge Coefficients	
Control Elevation:	2.44 ft	Weir Default:	3.200
Max Depth:	5.33 ft	Weir Table:	
Max Width:	4.83 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Rating Curve Link: EX19S08_19GW08

Scenario: System 19 - Pre Dev

From Node: EX19S08
To Node: GWT-8
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX19S08	1.43	EX19S08	1.43	EX19S08

Comment:

Weir Link: EX19S08_WEIR

Scenario: System 19 - Pre Dev
From Node: POND 19W12
To Node: EX19S08
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 6.44 ft
Control Elevation: 6.44 ft
Max Depth: 5.33 ft
Max Width: 4.83 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: EX19S09_NLC

Scenario: System 19 - Pre Dev
From Node: EX19S09
To Node: NLC
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 54.00 ft
FHWA Code: 1
Entr Loss Coef: 0.50
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream
Invert: -4.57 ft
Manning's N: 0.0120

Geometry: Circular
Max Depth: 4.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Downstream
Invert: -5.07 ft
Manning's N: 0.0120

Geometry: Circular
Max Depth: 4.00 ft

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Weir Link: EX19S09_WEIR			
Scenario:	System 19 - Pre Dev	Bottom Clip	
From Node:	POND 19W14	Default:	0.00 ft
To Node:	EX19S09	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.94 ft	Discharge Coefficients	
Control Elevation:	2.94 ft	Weir Default:	3.200
Max Depth:	8.67 ft	Weir Table:	
Max Width:	3.33 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Pipe Link: EX19S10_PONDW13		Upstream		Downstream	
Scenario:	System 19 - Pre Dev	Invert:	2.54 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX19S10	Geometry: Circular		Geometry: Circular	
To Node:	POND 19W13	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	155.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: EX19S10_WEIR			
Scenario:	System 19 - Pre Dev	Bottom Clip	
From Node:	POND 19W12	Default:	0.00 ft
To Node:	EX19S10	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	9.44 ft	Discharge Coefficients	
Control Elevation:	9.44 ft	Weir Default:	3.200
Max Depth:	5.33 ft	Weir Table:	

Max Width: 4.83 ft
Fillet: 0.00 ft

Orifice Default: 0.600
Orifice Table:

Comment:

Simulation: 100Y-1H

Scenario: System 19 - Pre Dev
Run Date/Time: 7/23/2019 2:50:18 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	3.0000	1.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	25.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:		Boundary Stage Set:	1-Hour
Reference ET Folder:		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	Basin 19 - Pre Dev
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	Basin 19 - Pre Dev
		Roughness Set:	
		Crop Coef Set:	
		Fillable Porosity Set:	
		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Manual Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	5.10 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100Y-24H

Scenario:	System 19 - Pre Dev
Run Date/Time:	7/23/2019 2:51:07 PM
Program Version:	ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

Hydrology [sec]	Surface Hydraulics	Groundwater [sec]

		[sec]	
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	26.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	48.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 24-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 19 - Pre Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 19 - Pre Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Manual Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	13.44 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100Y-8H

Scenario: System 19 - Pre Dev
Run Date/Time: 7/23/2019 2:51:41 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	10.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	32.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 8-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 19 - Pre Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 19 - Pre Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-8
Rainfall Amount: 9.60 in
Storm Duration: 8.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 10Y-1H

Scenario: System 19 - Pre Dev
Run Date/Time: 7/23/2019 2:51:54 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	3.0000	1.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	25.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 1-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 19 - Pre Dev
Green-Ampt Set:
Vertical Layers Set:

Impervious Set:	Basin 19 - Pre Dev
Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Manual Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.55 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-24H

Scenario:	System 19 - Pre Dev
Run Date/Time:	7/23/2019 2:52:41 PM
Program Version:	ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	26.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	48.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 24-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 19 - Pre Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 19 - Pre Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 8.88 in

Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-8H

Scenario: System 19 - Pre Dev
Run Date/Time: 7/23/2019 2:53:15 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	10.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	32.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 8-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 19 - Pre Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 19 - Pre Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-8
Rainfall Amount: 6.80 in
Storm Duration: 8.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 25Y-72H

Scenario: System 19 - Pre Dev
Run Date/Time: 7/23/2019 2:53:30 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	48.0000	15.0000
0	0	0	56.0000	5.0000
0	0	0	64.0000	1.0000
0	0	0	72.0000	5.0000
0	0	0	74.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	48.0000	15.0000
0	0	0	56.0000	5.0000
0	0	0	64.0000	1.0000
0	0	0	72.0000	5.0000
0	0	0	96.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 72-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 19 - Pre Dev
Green-Ampt Set:

Vertical Layers Set:	
Impervious Set:	Basin 19 - Pre Dev
Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Manual Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	14.50 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Node Max Conditions [System 19 - Pre Dev]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX19S01	100Y-1H	5.43	5.69	0.0015	1.65	0.71	261
EX19S04	100Y-1H	5.43	3.88	0.0010	1.02	0.30	261
EX19S06	100Y-1H	17.86	6.16	0.0011	1.27	0.91	261
EX19S08	100Y-1H	16.73	10.31	0.0056	6.83	2.22	261
EX19S09	100Y-1H	5.43	2.28	0.0019	70.54	70.54	100
EX19S10	100Y-1H	16.73	9.69	0.0015	50.82	50.23	265
GWT-1	100Y-1H	99.00	1.43	0.0000	0.71	0.00	0
GWT-4	100Y-1H	99.00	1.43	0.0000	0.30	0.00	0
GWT-6	100Y-1H	99.00	1.43	0.0000	0.91	0.00	0
GWT-8	100Y-1H	99.00	1.43	0.0000	2.22	0.00	0
NLC	100Y-1H	99.00	1.43	0.0000	70.54	0.19	0
POND 19W12	100Y-1H	16.73	10.31	0.0010	79.90	53.10	30056
POND 19W13	100Y-1H	17.86	6.16	0.0010	108.44	34.29	52389
POND 19W14	100Y-1H	5.43	3.88	0.0004	73.41	70.83	36280
POND 19W15	100Y-1H	5.43	5.69	0.0010	55.52	35.77	20507
EX19S01	100Y-24H	5.43	3.96	0.0010	0.58	0.33	261
EX19S04	100Y-24H	5.43	3.50	0.0010	0.36	0.19	261
EX19S06	100Y-24H	17.86	5.08	0.0010	1.13	0.60	261
EX19S08	100Y-24H	16.73	9.76	0.0010	3.75	1.98	261
EX19S09	100Y-24H	5.43	2.44	0.0026	31.93	31.93	100
EX19S10	100Y-24H	16.73	5.30	0.0010	11.74	11.73	220
GWT-1	100Y-24H	99.00	2.43	0.0002	0.33	0.00	0
GWT-4	100Y-24H	99.00	2.43	0.0002	0.19	0.00	0
GWT-6	100Y-24H	99.00	2.43	0.0002	0.60	0.00	0
GWT-8	100Y-24H	99.00	2.43	0.0002	1.98	0.00	0
NLC	100Y-24H	99.00	2.43	0.0002	31.93	0.23	0
POND 19W12	100Y-24H	16.73	9.76	0.0007	13.77	15.05	30056
POND 19W13	100Y-24H	17.86	5.08	0.0005	24.87	20.54	51398
POND 19W14	100Y-24H	5.43	3.50	0.0005	32.39	32.11	35262
POND 19W15	100Y-24H	5.43	3.96	0.0009	9.64	9.31	16685
EX19S01	100Y-8H	5.43	5.20	0.0010	0.57	0.51	261
EX19S04	100Y-8H	5.43	3.94	0.0010	0.45	0.21	261

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX19S06	100Y-8H	17.86	6.91	0.0010	1.65	0.91	261
EX19S08	100Y-8H	16.73	10.15	0.0016	3.44	2.04	261
EX19S09	100Y-8H	5.43	3.12	0.0018	74.47	74.46	222
EX19S10	100Y-8H	16.73	9.20	0.0010	39.01	38.93	220
GWT-1	100Y-8H	99.00	2.43	0.0003	0.51	0.00	0
GWT-4	100Y-8H	99.00	2.43	0.0003	0.21	0.00	0
GWT-6	100Y-8H	99.00	2.43	0.0003	0.91	0.00	0
GWT-8	100Y-8H	99.00	2.43	0.0003	2.04	0.00	0
NLC	100Y-8H	99.00	2.43	0.0003	74.46	0.15	0
POND 19W12	100Y-8H	16.73	10.15	0.0010	41.32	42.41	30056
POND 19W13	100Y-8H	17.86	6.91	0.0010	78.31	44.39	52389
POND 19W14	100Y-8H	5.43	3.94	0.0006	76.59	74.69	36343
POND 19W15	100Y-8H	5.43	5.20	0.0010	28.92	26.68	19923
EX19S01	10Y-1H	5.43	4.97	0.0014	1.54	0.59	261
EX19S04	10Y-1H	5.43	3.58	0.0010	0.94	0.26	261
EX19S06	10Y-1H	17.86	4.77	0.0010	1.18	0.65	261
EX19S08	10Y-1H	16.73	9.90	0.0051	6.34	2.12	261
EX19S09	10Y-1H	5.43	1.69	0.0019	39.22	39.23	100
EX19S10	10Y-1H	16.73	5.41	0.0010	20.67	20.66	220
GWT-1	10Y-1H	99.00	1.43	0.0000	0.59	0.00	0
GWT-4	10Y-1H	99.00	1.43	0.0000	0.26	0.00	0
GWT-6	10Y-1H	99.00	1.43	0.0000	0.65	0.00	0
GWT-8	10Y-1H	99.00	1.43	0.0000	2.12	0.00	0
NLC	10Y-1H	99.00	1.43	0.0000	39.23	0.25	0
POND 19W12	10Y-1H	16.73	9.91	0.0010	54.92	24.03	30056
POND 19W13	10Y-1H	17.86	4.77	0.0010	52.44	16.69	50548
POND 19W14	10Y-1H	5.43	3.58	0.0004	42.52	39.48	35511
POND 19W15	10Y-1H	5.43	4.97	0.0010	37.99	22.88	19337
EX19S01	10Y-24H	5.43	3.67	0.0010	0.57	0.28	261
EX19S04	10Y-24H	5.43	3.31	0.0010	0.32	0.18	261
EX19S06	10Y-24H	17.86	4.28	0.0010	0.55	0.44	261
EX19S08	10Y-24H	16.73	9.66	0.0010	3.39	1.94	261
EX19S09	10Y-24H	5.43	2.43	0.0026	17.39	17.45	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX19S10	10Y-24H	16.73	4.34	0.0007	7.06	7.04	220
GWT-1	10Y-24H	99.00	2.43	0.0002	0.28	0.00	0
GWT-4	10Y-24H	99.00	2.43	0.0002	0.18	0.00	0
GWT-6	10Y-24H	99.00	2.43	0.0002	0.44	0.00	0
GWT-8	10Y-24H	99.00	2.43	0.0002	1.94	0.00	0
NLC	10Y-24H	99.00	2.43	0.0002	17.45	0.13	0
POND 19W12	10Y-24H	16.73	9.67	0.0006	9.09	10.37	30056
POND 19W13	10Y-24H	17.86	4.28	0.0005	15.70	10.82	49152
POND 19W14	10Y-24H	5.43	3.31	0.0005	17.69	17.55	34852
POND 19W15	10Y-24H	5.43	3.67	0.0008	6.36	6.07	15902
EX19S01	10Y-8H	5.43	4.71	0.0010	0.62	0.43	261
EX19S04	10Y-8H	5.43	3.65	0.0010	0.39	0.19	261
EX19S06	10Y-8H	17.86	5.57	0.0010	0.74	0.65	261
EX19S08	10Y-8H	16.73	9.99	0.0015	3.42	1.99	261
EX19S09	10Y-8H	5.43	2.55	0.0021	46.35	46.34	100
EX19S10	10Y-8H	16.73	6.43	0.0010	26.46	26.40	220
GWT-1	10Y-8H	99.00	2.43	0.0002	0.43	0.00	0
GWT-4	10Y-8H	99.00	2.43	0.0002	0.19	0.01	0
GWT-6	10Y-8H	99.00	2.43	0.0002	0.65	0.00	0
GWT-8	10Y-8H	99.00	2.43	0.0002	1.99	0.00	0
NLC	10Y-8H	99.00	2.43	0.0002	46.34	0.16	0
POND 19W12	10Y-8H	16.73	9.99	0.0010	29.23	29.76	30056
POND 19W13	10Y-8H	17.86	5.57	0.0010	54.05	26.32	52389
POND 19W14	10Y-8H	5.43	3.65	0.0005	47.59	46.53	35686
POND 19W15	10Y-8H	5.43	4.71	0.0010	20.44	18.54	18657
EX19S01	25Y-72H	5.43	5.54	0.0010	0.74	0.55	261
EX19S04	25Y-72H	5.43	4.01	0.0010	0.35	0.22	261
EX19S06	25Y-72H	17.86	7.01	0.0010	1.10	0.92	261
EX19S08	25Y-72H	16.73	10.50	0.0010	3.37	2.10	261
EX19S09	25Y-72H	5.43	3.27	0.0026	78.24	78.23	222
EX19S10	25Y-72H	16.73	10.22	0.0010	50.55	49.97	265
GWT-1	25Y-72H	99.00	2.43	0.0002	0.55	0.00	0
GWT-4	25Y-72H	99.00	2.43	0.0002	0.22	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
GWT-6	25Y-72H	99.00	2.43	0.0002	0.92	0.00	0
GWT-8	25Y-72H	99.00	2.43	0.0002	2.10	0.00	0
NLC	25Y-72H	99.00	2.43	0.0002	78.23	0.19	0
POND 19W12	25Y-72H	16.73	10.50	0.0010	65.27	52.70	30056
POND 19W13	25Y-72H	17.86	7.01	0.0010	112.19	45.71	52389
POND 19W14	25Y-72H	5.43	4.01	0.0002	80.90	78.46	36512
POND 19W15	25Y-72H	5.43	5.54	0.0009	45.70	32.86	20507

Link Min/Max Conditions [System 19 - Pre Dev]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX19PONDW13_PONDW14	100Y-1H	33.37	0.00	0.02	4.72	7.18	5.95
EX19PONDW15_PONDW14	100Y-1H	35.06	-0.16	-0.02	3.21	6.57	4.89
EX19S01_19GW01	100Y-1H	0.71	0.00	0.00	0.00	0.00	0.00
EX19S01_WEIR	100Y-1H	1.65	-0.03	-0.50	0.94	0.94	0.94
EX19S04_19GW04	100Y-1H	0.30	0.00	0.00	0.00	0.00	0.00
EX19S04_WEIR	100Y-1H	1.02	0.00	-0.33	0.80	0.80	0.80
EX19S06_19GW06	100Y-1H	0.91	0.00	0.00	0.00	0.00	0.00
EX19S06_WEIR	100Y-1H	1.27	-0.02	-0.58	0.86	0.86	0.86
EX19S08_19GW08	100Y-1H	2.22	0.00	0.00	0.00	0.00	0.00
EX19S08_WEIR	100Y-1H	6.83	0.00	-2.66	1.51	1.51	1.51
EX19S09_NLC	100Y-1H	70.54	-0.19	3.46	5.61	5.61	5.61
EX19S09_WEIR	100Y-1H	70.54	0.00	-0.03	3.11	3.11	3.11
EX19S10_PONDW13	100Y-1H	50.23	-0.32	0.73	10.23	10.23	10.23
EX19S10_WEIR	100Y-1H	50.82	0.00	0.03	2.95	2.95	2.95
EX19PONDW13_PONDW14	100Y-24H	19.94	0.00	0.01	3.02	5.98	4.50
EX19PONDW15_PONDW14	100Y-24H	8.98	-0.12	0.00	2.04	3.40	2.72
EX19S01_19GW01	100Y-24H	0.33	0.00	0.00	0.00	0.00	0.00
EX19S01_WEIR	100Y-24H	0.58	-0.01	-0.57	0.18	0.18	0.18
EX19S04_19GW04	100Y-24H	0.19	0.00	0.00	0.00	0.00	0.00
EX19S04_WEIR	100Y-24H	0.36	0.00	-0.36	0.13	0.13	0.13
EX19S06_19GW06	100Y-24H	0.60	0.00	0.00	0.00	0.00	0.00
EX19S06_WEIR	100Y-24H	1.13	0.00	-1.07	0.21	0.21	0.21
EX19S08_19GW08	100Y-24H	1.98	0.00	0.00	0.00	0.00	0.00
EX19S08_WEIR	100Y-24H	3.75	0.00	3.34	0.94	0.94	0.94
EX19S09_NLC	100Y-24H	31.93	-0.23	-3.44	2.54	2.54	2.54
EX19S09_WEIR	100Y-24H	31.93	0.00	0.01	2.39	2.39	2.39
EX19S10_PONDW1	100Y-24H	11.73	-0.01	-0.01	2.39	2.39	2.39

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
3							
EX19S10_WEIR	100Y-24H	11.74	0.00	0.01	1.81	1.81	1.81
EX19PONDW13_PONDW14	100Y-8H	43.48	0.00	0.02	6.15	8.03	7.09
EX19PONDW15_PONDW14	100Y-8H	26.17	-0.16	-0.01	2.83	6.01	4.42
EX19S01_19GW01	100Y-8H	0.51	0.00	0.00	0.00	0.00	0.00
EX19S01_WEIR	100Y-8H	0.57	0.00	-0.47	0.19	0.19	0.19
EX19S04_19GW04	100Y-8H	0.21	0.00	0.00	0.00	0.00	0.00
EX19S04_WEIR	100Y-8H	0.45	0.00	-0.35	0.14	0.14	0.14
EX19S06_19GW06	100Y-8H	0.91	0.00	0.00	0.00	0.00	0.00
EX19S06_WEIR	100Y-8H	1.65	-0.01	-1.65	0.22	0.22	0.22
EX19S08_19GW08	100Y-8H	2.04	0.00	0.00	0.00	0.00	0.00
EX19S08_WEIR	100Y-8H	3.44	0.00	-2.81	1.13	1.13	1.13
EX19S09_NLC	100Y-8H	74.46	-0.15	-3.39	5.93	5.93	5.93
EX19S09_WEIR	100Y-8H	74.47	0.00	0.02	3.11	3.11	3.11
EX19S10_PONDW13	100Y-8H	38.93	-0.08	-0.36	7.93	7.93	7.93
EX19S10_WEIR	100Y-8H	39.01	0.00	0.03	2.70	2.70	2.70
EX19PONDW13_PONDW14	10Y-1H	16.04	0.00	0.02	2.72	5.58	4.15
EX19PONDW15_PONDW14	10Y-1H	22.29	-0.16	-0.02	2.66	5.73	4.19
EX19S01_19GW01	10Y-1H	0.59	0.00	0.00	0.00	0.00	0.00
EX19S01_WEIR	10Y-1H	1.54	-0.02	-0.49	0.92	0.92	0.92
EX19S04_19GW04	10Y-1H	0.26	0.00	0.00	0.00	0.00	0.00
EX19S04_WEIR	10Y-1H	0.94	0.00	-0.32	0.78	0.78	0.78
EX19S06_19GW06	10Y-1H	0.65	0.00	0.00	0.00	0.00	0.00
EX19S06_WEIR	10Y-1H	1.18	-0.01	-0.57	0.84	0.84	0.84
EX19S08_19GW08	10Y-1H	2.12	0.00	0.00	0.00	0.00	0.00
EX19S08_WEIR	10Y-1H	6.34	0.00	-2.74	1.47	1.47	1.47
EX19S09_NLC	10Y-1H	39.23	-0.25	-3.40	3.12	3.12	3.12
EX19S09_WEIR	10Y-1H	39.22	0.00	0.03	2.56	2.56	2.56

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX19S10_PONDW13	10Y-1H	20.66	-0.22	0.45	4.21	4.84	4.51
EX19S10_WEIR	10Y-1H	20.67	0.00	0.03	2.18	2.18	2.18
EX19PONDW13_PONDW14	10Y-24H	10.39	0.00	0.01	2.29	4.90	3.59
EX19PONDW15_PONDW14	10Y-24H	5.79	-0.12	0.00	1.76	2.92	2.34
EX19S01_19GW01	10Y-24H	0.28	0.00	0.00	0.00	0.00	0.00
EX19S01_WEIR	10Y-24H	0.57	-0.02	-0.57	0.18	0.18	0.18
EX19S04_19GW04	10Y-24H	0.18	0.00	0.00	0.00	0.00	0.00
EX19S04_WEIR	10Y-24H	0.32	0.00	-0.32	0.14	0.14	0.14
EX19S06_19GW06	10Y-24H	0.44	0.00	0.00	0.00	0.00	0.00
EX19S06_WEIR	10Y-24H	0.55	-0.01	-0.55	0.20	0.20	0.20
EX19S08_19GW08	10Y-24H	1.94	0.00	0.00	0.00	0.00	0.00
EX19S08_WEIR	10Y-24H	3.39	0.00	-3.04	0.91	0.91	0.91
EX19S09_NLC	10Y-24H	17.45	-0.13	3.48	1.39	1.39	1.39
EX19S09_WEIR	10Y-24H	17.39	0.00	0.01	1.95	1.95	1.95
EX19S10_PONDW13	10Y-24H	7.04	-0.01	0.01	1.98	2.09	2.04
EX19S10_WEIR	10Y-24H	7.06	0.00	0.01	1.53	1.53	1.53
EX19PONDW13_PONDW14	10Y-8H	25.67	0.00	0.02	3.63	6.51	5.07
EX19PONDW15_PONDW14	10Y-8H	18.11	-0.16	-0.01	2.46	5.40	3.93
EX19S01_19GW01	10Y-8H	0.43	0.00	0.00	0.00	0.00	0.00
EX19S01_WEIR	10Y-8H	0.62	0.00	-0.46	0.20	0.20	0.20
EX19S04_19GW04	10Y-8H	0.19	-0.01	-0.01	0.00	0.00	0.00
EX19S04_WEIR	10Y-8H	0.39	0.00	-0.34	0.14	0.14	0.14
EX19S06_19GW06	10Y-8H	0.65	0.00	0.00	0.00	0.00	0.00
EX19S06_WEIR	10Y-8H	0.74	0.00	-0.54	0.21	0.21	0.21
EX19S08_19GW08	10Y-8H	1.99	0.00	0.00	0.00	0.00	0.00
EX19S08_WEIR	10Y-8H	3.42	0.00	-3.40	1.11	1.11	1.11
EX19S09_NLC	10Y-8H	46.34	-0.16	-3.26	3.69	3.69	3.69

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX19S09_WEIR	10Y-8H	46.35	0.00	0.02	2.70	2.70	2.70
EX19S10_PONDW13	10Y-8H	26.40	-0.08	0.03	5.38	5.38	5.38
EX19S10_WEIR	10Y-8H	26.46	0.00	0.03	2.37	2.37	2.37
EX19PONDW13_PONDW14	25Y-72H	44.79	0.00	0.02	6.34	8.14	7.24
EX19PONDW15_PONDW14	25Y-72H	32.30	-0.08	-0.01	3.09	6.41	4.75
EX19S01_19GW01	25Y-72H	0.55	0.00	0.00	0.00	0.00	0.00
EX19S01_WEIR	25Y-72H	0.74	-0.03	-0.52	0.17	0.17	0.17
EX19S04_19GW04	25Y-72H	0.22	0.00	0.00	0.00	0.00	0.00
EX19S04_WEIR	25Y-72H	0.35	0.00	-0.35	0.12	0.12	0.12
EX19S06_19GW06	25Y-72H	0.92	0.00	0.00	0.00	0.00	0.00
EX19S06_WEIR	25Y-72H	1.10	-0.04	-0.94	0.22	0.22	0.22
EX19S08_19GW08	25Y-72H	2.10	0.00	0.00	0.00	0.00	0.00
EX19S08_WEIR	25Y-72H	3.37	0.00	-2.94	0.85	0.85	0.85
EX19S09_NLC	25Y-72H	78.23	-0.19	3.72	6.23	6.23	6.23
EX19S09_WEIR	25Y-72H	78.24	0.00	-0.03	3.08	3.08	3.08
EX19S10_PONDW13	25Y-72H	49.97	-0.13	-0.08	10.18	10.18	10.18
EX19S10_WEIR	25Y-72H	50.55	0.00	0.03	2.94	2.94	2.94

Node Mass Balance Condensed [System 19 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX19S01	100Y-1H	22103	21984	119
EX19S01	100Y-24H	34719	34642	77
EX19S01	100Y-8H	24745	24691	54
EX19S01	10Y-1H	20873	20806	66
EX19S01	10Y-24H	31679	31609	71
EX19S01	10Y-8H	23068	23016	52
EX19S01	25Y-72H	64683	64419	264

Node Mass Balance Condensed [System 19 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX19S04	100Y-1H	15674	15520	154
EX19S04	100Y-24H	23543	23352	190
EX19S04	100Y-8H	17425	17215	211
EX19S04	10Y-1H	15275	15084	192
EX19S04	10Y-24H	22136	21927	209
EX19S04	10Y-8H	16764	16551	213
EX19S04	25Y-72H	44001	43826	175

Node Mass Balance Condensed [System 19 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX19S06	100Y-1H	28820	28570	250
EX19S06	100Y-24H	49699	49470	229
EX19S06	100Y-8H	35767	35574	193
EX19S06	10Y-1H	26500	26298	201
EX19S06	10Y-24H	42599	42372	227
EX19S06	10Y-8H	32075	31875	200
EX19S06	25Y-72H	80778	80540	238

Node Mass Balance Condensed [System 19 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX19S08	100Y-1H	89223	88993	230
EX19S08	100Y-24H	220906	221045	-140
EX19S08	100Y-8H	124616	124575	41
EX19S08	10Y-1H	88142	87963	179
EX19S08	10Y-24H	208459	208510	-50
EX19S08	10Y-8H	121565	121523	42

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX19S08	25Y-72H	337588	337595	-6

Node Mass Balance Condensed [System 19 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX19S09	100Y-1H	360750	360825	-75
EX19S09	100Y-24H	1096091	1096167	-76
EX19S09	100Y-8H	805377	805451	-74
EX19S09	10Y-1H	198544	198620	-76
EX19S09	10Y-24H	624726	624877	-151
EX19S09	10Y-8H	510662	510742	-79
EX19S09	25Y-72H	1001421	1005432	-4010

Node Mass Balance Condensed [System 19 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX19S10	100Y-1H	90721	90703	18
EX19S10	100Y-24H	266496	266491	5
EX19S10	100Y-8H	221211	221197	14
EX19S10	10Y-1H	34610	34596	14
EX19S10	10Y-24H	110641	110639	2
EX19S10	10Y-8H	120903	120891	12
EX19S10	25Y-72H	189082	189053	30

Node Mass Balance Condensed [System 19 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-1	100Y-1H	21984	0	21984
GWT-1	100Y-24H	34642	0	34642
GWT-1	100Y-8H	24691	0	24691
GWT-1	10Y-1H	20806	0	20806
GWT-1	10Y-24H	31609	0	31608
GWT-1	10Y-8H	23016	1	23015
GWT-1	25Y-72H	64418	0	64418

Node Mass Balance Condensed [System 19 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-4	100Y-1H	15520	0	15520
GWT-4	100Y-24H	23352	0	23352
GWT-4	100Y-8H	17215	1	17214
GWT-4	10Y-1H	15084	0	15084
GWT-4	10Y-24H	21927	1	21926
GWT-4	10Y-8H	16551	1	16550
GWT-4	25Y-72H	43826	1	43825

Node Mass Balance Condensed [System 19 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-6	100Y-1H	28569	0	28569
GWT-6	100Y-24H	49470	0	49469
GWT-6	100Y-8H	35574	0	35573
GWT-6	10Y-1H	26298	0	26298
GWT-6	10Y-24H	42372	1	42371
GWT-6	10Y-8H	31875	1	31874
GWT-6	25Y-72H	80540	0	80539

Node Mass Balance Condensed [System 19 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-8	100Y-1H	88993	0	88993
GWT-8	100Y-24H	221045	0	221045
GWT-8	100Y-8H	124575	0	124574
GWT-8	10Y-1H	87963	0	87963
GWT-8	10Y-24H	208510	1	208509
GWT-8	10Y-8H	121523	1	121522
GWT-8	25Y-72H	337595	0	337594

Node Mass Balance Condensed [System 19 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
NLC	100Y-1H	360825	8	360817
NLC	100Y-24H	1096167	17	1096150
NLC	100Y-8H	805451	27	805423
NLC	10Y-1H	198620	10	198610
NLC	10Y-24H	624877	20	624856
NLC	10Y-8H	510742	34	510708
NLC	25Y-72H	1005432	12	1005419

Node Mass Balance Condensed [System 19 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 19W12	100Y-1H	179646	179669	-23
POND 19W12	100Y-24H	487556	487211	345
POND 19W12	100Y-8H	345746	345580	166
POND 19W12	10Y-1H	122509	122482	27
POND 19W12	10Y-24H	319161	318906	255
POND 19W12	10Y-8H	242374	242210	164
POND 19W12	25Y-72H	526705	526428	277

Node Mass Balance Condensed [System 19 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 19W13	100Y-1H	262231	256701	5531
POND 19W13	100Y-24H	732016	727378	4638
POND 19W13	100Y-8H	551320	547022	4298
POND 19W13	10Y-1H	151569	146570	4999
POND 19W13	10Y-24H	415378	411069	4310
POND 19W13	10Y-8H	352313	348393	3920
POND 19W13	25Y-72H	691958	681911	10048

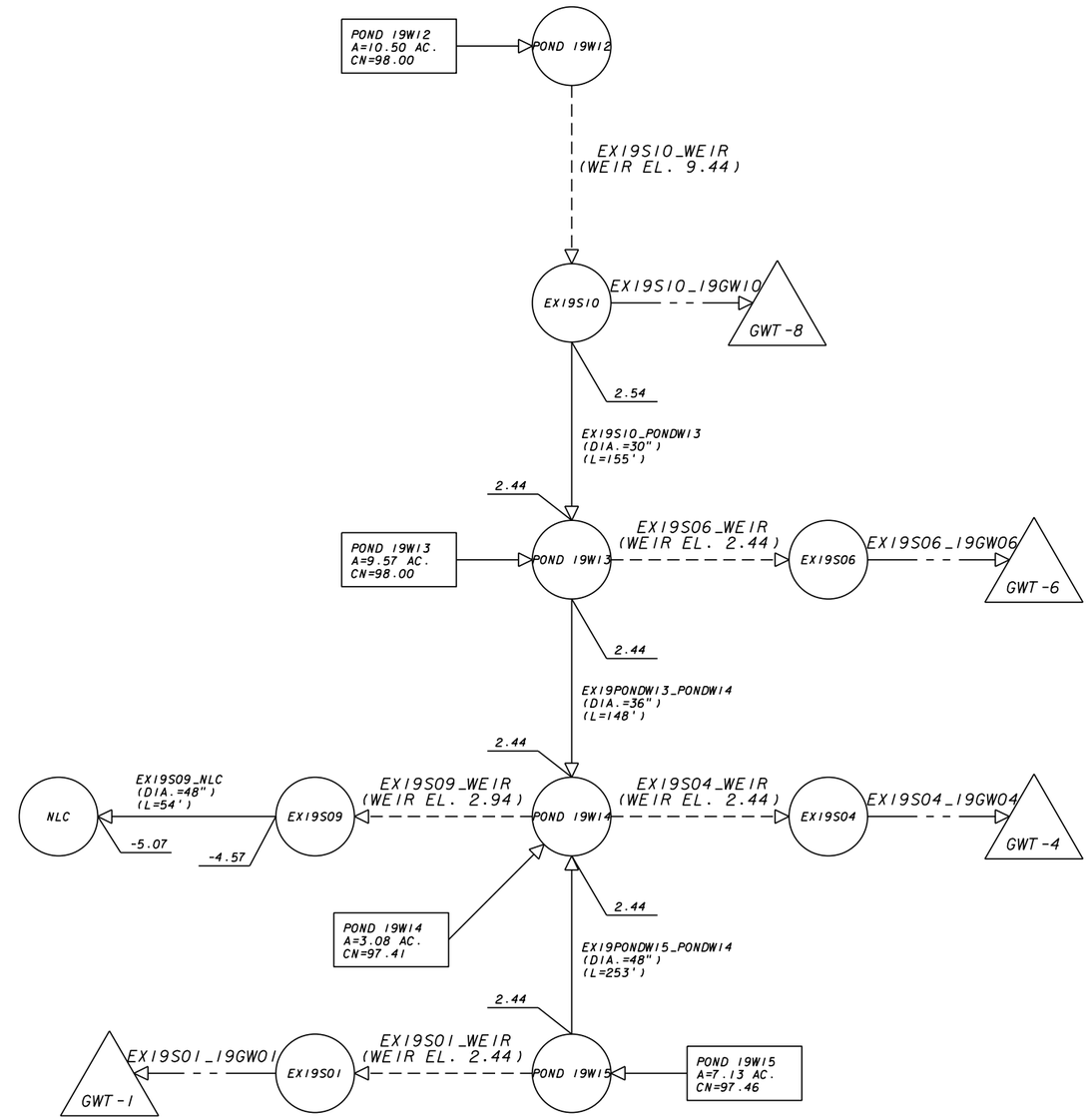
Node Mass Balance Condensed [System 19 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 19W14	100Y-1H	388762	384415	4347
POND 19W14	100Y-24H	1129712	1126194	3518
POND 19W14	100Y-8H	833748	830417	3331
POND 19W14	10Y-1H	225702	221849	3853
POND 19W14	10Y-24H	656586	653328	3258
POND 19W14	10Y-8H	537924	534885	3039
POND 19W14	25Y-72H	1058347	1050767	7580

Node Mass Balance Condensed [System 19 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 19W15	100Y-1H	132193	132050	143
POND 19W15	100Y-24H	346352	346254	99
POND 19W15	100Y-8H	248114	248017	97
POND 19W15	10Y-1H	92265	92144	122
POND 19W15	10Y-24H	228344	228248	96
POND 19W15	10Y-8H	175591	175500	91

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 19W15	25Y-72H	372550	370070	2479



LEGEND

19B05 A=0.08 AC. CN=80.13	CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER
EX19S04	NODE NAME
GWT-4	BOUNDARY NODE WITH VARIABLE TAILWATER
EX19S20_S22 (DIA.=24") (L=121') 2.44 2.44	PIPE LINK WITH SIZE-LENGTH INVERT ELEVATIONS
EX19S01_I9GW1	RATING CURVE LINK
EX19S01_WEIR (EL. 3.20)	WEIR LINK WITH WEIR ELEVATION

SYSTEM 19

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JUAN C. GARCIA, P.E.
P.E. No.: 46597
AECOM TECHNICAL SERVICES, INC.
7650 CORPORATE CENTER DRIVE, SUITE 400
MIAMI, FL 33126-1220
CERTIFICATE OF AUTHORIZATION: 8115

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR-9	MIAMI-DADE	428358-5-32-03

NODE-LINK DIAGRAM (1 OF 1)
(POST-DEV. CONDITIONS)

SHEET NO.

$USER$ $DATE$ $TIME$ $FILE$

Manual Basin: POND 19W12

Scenario: System 19 - Post Dev
Node: POND 19W12
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
10.5000	POND 19W12	POND 19W12			

Comment:

Manual Basin: POND 19W13

Scenario: System 19 - Post Dev
Node: POND 19W13
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
9.5700	POND 19W13	POND 19W13			

Comment:

Manual Basin: POND 19W14

Scenario: System 19 - Post Dev
Node: POND 19W14
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
3.0800	POND 19W14	POND 19W14			

Comment:

Manual Basin: POND 19W15

Scenario: System 19 - Post Dev
Node: POND 19W15
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
7.1300	POND 19W15	POND 19W15			

Comment:

Node: EX19S01

Scenario: System 19 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-7.07	0.0042	183
1.93	0.0042	183
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX19S04

Scenario: System 19 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0031	135
1.93	0.0031	135
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX19S06

Scenario: System 19 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 17.86 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0088	383
1.93	0.0088	383
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX19S09

Scenario: System 19 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0005	22
2.93	0.0005	22
2.94	0.0050	218

Comment:

Node: EX19S10

Scenario: System 19 - Post Dev
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 2.53 ft
Warning Stage: 16.73 ft

Stage [ft]	Area [ac]	Area [ft2]
-2.57	0.0056	244
5.93	56.0000	2439360
5.94	0.0006	26
9.43	0.0006	26
9.44	0.0060	261

Comment:

Node: GWT-1

Scenario: System 19 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-4

Scenario: System 19 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-4

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43

Year	Month	Day	Hour	Stage [ft]
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-6

Scenario: System 19 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-6

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-8

Scenario: System 19 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-8

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: NLC

Scenario: System 19 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: NLC

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: POND 19W12

Scenario: System 19 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.43 ft
Warning Stage: 16.73 ft

Stage [ft]	Area [ac]	Area [ft2]
6.43	0.1400	6098
6.93	0.1600	6970
7.43	0.1700	7405
8.43	0.1900	8276
9.43	0.2200	9583

Comment:

Node: POND 19W13

Scenario: System 19 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 17.86 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.9900	43124
2.93	1.0300	44867

Stage [ft]	Area [ac]	Area [ft2]
3.43	1.0600	46174
4.43	1.1300	49223
5.43	1.2000	52272

Comment:

Node: POND 19W14

Scenario: System 19 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.7400	32234
2.93	0.7700	33541
3.43	0.7900	34412
4.43	0.8500	37026
5.43	0.9100	39640

Comment:

Node: POND 19W15

Scenario: System 19 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.2700	11761
2.93	0.3000	13068
3.43	0.3400	14810
4.43	0.4000	17424
5.43	0.4600	20038

Comment:

Pipe Link: EX19PONDW13_PONDW14		Upstream		Downstream	
Scenario:	System 19 - Post Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120

From Node:	POND 19W13	Geometry: Circular		Geometry: Circular	
To Node:	POND 19W14	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	148.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX19PONDW15_PONDW14		Upstream		Downstream	
Scenario:	System 19 - Post Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 19W15	Geometry: Circular		Geometry: Circular	
To Node:	POND 19W14	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	253.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX19S01_19GW01

Scenario:	System 19 - Post Dev
From Node:	EX19S01
To Node:	GWT-1
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX19S01	1.43	EX19S01	1.43	EX19S01

Comment:

Weir Link: EX19S01_WEIR

Scenario:	System 19 - Post Dev
From Node:	POND 19W15
To Node:	EX19S01
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.44 ft
Control Elevation:	2.44 ft
Max Depth:	5.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Rating Curve Link: EX19S04_19GW04

Scenario:	System 19 - Post Dev
From Node:	EX19S04
To Node:	GWT-4
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX19S04	1.43	EX19S04	1.43	EX19S04

Comment:

Weir Link: EX19S04_WEIR

Scenario:	System 19 - Post Dev
From Node:	POND 19W14
To Node:	EX19S04
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.44 ft
Control Elevation:	2.44 ft
Max Depth:	5.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Rating Curve Link: EX19S06_19GW06

Scenario: System 19 - Post Dev
From Node: EX19S06
To Node: GWT-6
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX19S06	1.43	EX19S06	1.43	EX19S06

Comment:

Weir Link: EX19S06_WEIR

Scenario: System 19 - Post Dev
From Node: POND 19W13
To Node: EX19S06
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 2.44 ft
Control Elevation: 2.44 ft
Max Depth: 5.33 ft
Max Width: 4.83 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: EX19S09_NLC

Scenario: System 19 - Post Dev
From Node: EX19S09
To Node: NLC
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 54.00 ft
FHWA Code: 1
Entr Loss Coef: 0.50
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Bend Location: 0.00 ft
Energy Switch: Energy

Upstream
Invert: -4.57 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 4.00 ft
Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Downstream
Invert: -5.07 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 4.00 ft
Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Weir Link: EX19S09_WEIR

Scenario:	System 19 - Post Dev
From Node:	POND 19W14
To Node:	EX19S09
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.94 ft
Control Elevation:	2.94 ft
Max Depth:	8.67 ft
Max Width:	3.33 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Rating Curve Link: EX19S10_19GW10

Scenario:	System 19 - Post Dev
From Node:	EX19S10
To Node:	GWT-8
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX19S10	1.43	EX19S10	1.43	EX19S10

Comment:

Pipe Link: EX19S10_PONDW13

Scenario:	System 19 - Post Dev
From Node:	EX19S10
To Node:	POND 19W13
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	155.00 ft
FHWA Code:	1
Entr Loss Coef:	0.50
Exit Loss Coef:	1.00
Bend Loss Coef:	0.00
Bend Location:	0.00 ft
Energy Switch:	Energy

Upstream

Invert:	2.54 ft
Manning's N:	0.0120

Geometry: Circular

Max Depth:	2.50 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Downstream

Invert:	2.44 ft
Manning's N:	0.0120

Geometry: Circular

Max Depth:	2.50 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Comment:

Weir Link: EX19S10_WEIR

Scenario:	System 19 - Post Dev
From Node:	POND 19W12
To Node:	EX19S10
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	9.44 ft
Control Elevation:	9.44 ft
Max Depth:	5.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Simulation: 100Y-1H

Scenario:	System 19 - Post Dev
Run Date/Time:	7/23/2019 2:46:35 PM
Program Version:	ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	3.0000	1.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	25.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 1-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 19 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 19 - Post Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 5.10 in
Storm Duration: 1.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 100Y-24H

Scenario: System 19 - Post Dev
Run Date/Time: 7/23/2019 2:47:18 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	26.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	48.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph

Lookup Tables

Boundary Stage Set: 24-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 19 - Post Dev

Folder:			
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	Basin 19 - Post Dev
		Roughness Set:	
		Crop Coef Set:	
		Fillable Porosity Set:	
		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Manual Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	13.44 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100Y-8H

Scenario:	System 19 - Post Dev
Run Date/Time:	7/23/2019 2:47:51 PM
Program Version:	ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	10.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	32.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 8-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 19 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 19 - Post Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global

Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	9.60 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-1H

Scenario: System 19 - Post Dev
Run Date/Time: 7/23/2019 2:48:02 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	3.0000	1.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	25.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 1-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 19 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 19 - Post Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 3.55 in
Storm Duration: 1.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 10Y-24H

Scenario: System 19 - Post Dev
Run Date/Time: 7/23/2019 2:48:45 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	26.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	48.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 24-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 19 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 19 - Post Dev
Roughness Set:

Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Manual Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	8.88 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-8H

Scenario:	System 19 - Post Dev
Run Date/Time:	7/23/2019 2:49:18 PM
Program Version:	ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	10.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	32.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 8-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 19 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 19 - Post Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-8
Rainfall Amount: 6.80 in
Storm Duration: 8.0000 hr

Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25Y-72H

Scenario: System 19 - Post Dev
Run Date/Time: 7/23/2019 2:49:32 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	48.0000	15.0000
0	0	0	56.0000	5.0000
0	0	0	64.0000	1.0000
0	0	0	72.0000	5.0000
0	0	0	74.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	48.0000	15.0000
0	0	0	56.0000	5.0000
0	0	0	64.0000	1.0000
0	0	0	72.0000	5.0000
0	0	0	96.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 72-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 19 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 19 - Post Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~SFWMD-72
Rainfall Amount: 14.50 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Node Max Conditions [System 19 - Post Dev]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX19S01	100Y-1H	5.43	5.69	0.0015	1.65	0.71	261
EX19S04	100Y-1H	5.43	3.81	0.0010	1.02	0.29	261
EX19S06	100Y-1H	17.86	4.71	0.0017	2.94	1.82	383
EX19S09	100Y-1H	5.43	2.09	0.0020	62.28	62.28	100
EX19S10	100Y-1H	16.73	2.67	0.0001	87.43	0.46	1504486
GWT-1	100Y-1H	99.00	1.43	0.0000	0.71	0.00	0
GWT-4	100Y-1H	99.00	1.43	0.0000	0.29	0.00	0
GWT-6	100Y-1H	99.00	1.43	0.0000	1.82	0.00	0
GWT-8	100Y-1H	99.00	1.43	0.0000	0.41	0.00	0
NLC	100Y-1H	99.00	1.43	0.0000	62.28	0.27	0
POND 19W12	100Y-1H	16.73	10.61	0.0010	82.41	81.87	9583
POND 19W13	100Y-1H	17.86	4.71	0.0010	75.11	30.96	50436
POND 19W14	100Y-1H	5.43	3.81	0.0006	66.65	62.57	36120
POND 19W15	100Y-1H	5.43	5.69	0.0010	55.52	36.21	20507
EX19S01	100Y-24H	5.43	4.00	0.0010	0.41	0.34	261
EX19S04	100Y-24H	5.43	3.33	0.0010	0.34	0.19	261
EX19S06	100Y-24H	17.86	3.78	0.0010	1.78	1.00	383
EX19S09	100Y-24H	5.43	2.43	0.0019	18.68	18.69	100
EX19S10	100Y-24H	16.73	2.93	0.0000	18.49	0.99	1579568
GWT-1	100Y-24H	99.00	2.43	0.0002	0.34	0.00	0
GWT-4	100Y-24H	99.00	2.43	0.0002	0.19	0.00	0
GWT-6	100Y-24H	99.00	2.43	0.0002	1.00	0.01	0
GWT-8	100Y-24H	99.00	2.43	0.0002	0.49	0.00	0
NLC	100Y-24H	99.00	2.43	0.0002	18.69	0.21	0
POND 19W12	100Y-24H	16.73	9.80	0.0010	14.20	14.20	9583
POND 19W13	100Y-24H	17.86	3.78	0.0004	12.94	12.26	47663
POND 19W14	100Y-24H	5.43	3.33	0.0006	19.06	18.84	34890
POND 19W15	100Y-24H	5.43	4.00	0.0003	9.64	9.19	16792
EX19S01	100Y-8H	5.43	5.20	0.0010	1.06	0.51	261
EX19S04	100Y-8H	5.43	3.71	0.0010	0.45	0.19	261
EX19S06	100Y-8H	17.86	4.72	0.0010	2.49	1.43	383
EX19S09	100Y-8H	5.43	2.61	0.0019	52.24	52.23	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX19S10	100Y-8H	16.73	2.82	0.0001	54.08	0.73	1548319
GWT-1	100Y-8H	99.00	2.43	0.0006	0.51	0.00	0
GWT-4	100Y-8H	99.00	2.43	0.0006	0.19	0.00	0
GWT-6	100Y-8H	99.00	2.43	0.0006	1.43	0.01	0
GWT-8	100Y-8H	99.00	2.43	0.0006	0.46	0.00	0
NLC	100Y-8H	99.00	2.43	0.0006	52.23	0.13	0
POND 19W12	100Y-8H	16.73	10.19	0.0010	42.62	42.59	9583
POND 19W13	100Y-8H	17.86	4.73	0.0007	38.84	30.04	50470
POND 19W14	100Y-8H	5.43	3.71	0.0008	53.50	52.43	35870
POND 19W15	100Y-8H	5.43	5.20	0.0010	28.92	27.22	19923
EX19S01	10Y-1H	5.43	4.97	0.0014	1.54	0.59	261
EX19S04	10Y-1H	5.43	3.56	0.0010	0.95	0.26	261
EX19S06	10Y-1H	17.86	4.12	0.0015	2.47	1.49	383
EX19S09	10Y-1H	5.43	1.67	0.0019	37.43	37.43	100
EX19S10	10Y-1H	16.73	2.62	0.0001	58.61	0.41	1489054
GWT-1	10Y-1H	99.00	1.43	0.0000	0.59	0.00	0
GWT-4	10Y-1H	99.00	1.43	0.0000	0.26	0.00	0
GWT-6	10Y-1H	99.00	1.43	0.0000	1.49	0.00	0
GWT-8	10Y-1H	99.00	1.43	0.0000	0.39	0.00	0
NLC	10Y-1H	99.00	1.43	0.0000	37.43	0.08	0
POND 19W12	10Y-1H	16.73	10.34	0.0010	56.64	55.87	9583
POND 19W13	10Y-1H	17.86	4.12	0.0009	51.63	18.87	48692
POND 19W14	10Y-1H	5.43	3.56	0.0008	41.72	37.68	35461
POND 19W15	10Y-1H	5.43	4.97	0.0010	37.99	23.21	19337
EX19S01	10Y-24H	5.43	3.68	0.0010	0.48	0.28	261
EX19S04	10Y-24H	5.43	3.23	0.0010	0.26	0.17	261
EX19S06	10Y-24H	17.86	3.51	0.0010	1.21	0.85	383
EX19S09	10Y-24H	5.43	2.43	0.0024	12.00	12.49	100
EX19S10	10Y-24H	16.73	2.79	0.0000	12.01	0.63	1537653
GWT-1	10Y-24H	99.00	2.43	0.0002	0.28	0.00	0
GWT-4	10Y-24H	99.00	2.43	0.0002	0.17	0.00	0
GWT-6	10Y-24H	99.00	2.43	0.0002	0.85	0.01	0
GWT-8	10Y-24H	99.00	2.43	0.0002	0.45	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NLC	10Y-24H	99.00	2.43	0.0002	12.49	0.10	0
POND 19W12	10Y-24H	16.73	9.71	0.0010	9.37	9.37	9583
POND 19W13	10Y-24H	17.86	3.51	0.0004	8.54	7.45	46816
POND 19W14	10Y-24H	5.43	3.23	0.0005	12.33	12.15	34686
POND 19W15	10Y-24H	5.43	3.68	0.0003	6.36	6.04	15912
EX19S01	10Y-8H	5.43	4.71	0.0010	0.62	0.43	261
EX19S04	10Y-8H	5.43	3.54	0.0010	0.39	0.18	261
EX19S06	10Y-8H	17.86	4.24	0.0010	2.07	1.16	383
EX19S09	10Y-8H	5.43	2.44	0.0019	35.68	35.68	100
EX19S10	10Y-8H	16.73	2.73	0.0001	37.48	0.54	1520931
GWT-1	10Y-8H	99.00	2.43	0.0007	0.43	0.00	0
GWT-4	10Y-8H	99.00	2.43	0.0007	0.18	0.00	0
GWT-6	10Y-8H	99.00	2.43	0.0007	1.16	0.01	0
GWT-8	10Y-8H	99.00	2.43	0.0007	0.43	0.00	0
NLC	10Y-8H	99.00	2.43	0.0007	35.68	0.12	0
POND 19W12	10Y-8H	16.73	10.04	0.0010	30.15	30.12	9583
POND 19W13	10Y-8H	17.86	4.24	0.0007	27.48	20.36	49054
POND 19W14	10Y-8H	5.43	3.54	0.0007	36.82	35.85	35403
POND 19W15	10Y-8H	5.43	4.71	0.0010	20.44	18.54	18659
EX19S01	25Y-72H	5.43	5.54	0.0010	0.74	0.55	261
EX19S04	25Y-72H	5.43	3.80	0.0010	0.34	0.19	261
EX19S06	25Y-72H	17.86	4.83	0.0010	2.53	1.46	383
EX19S09	25Y-72H	5.43	2.84	0.0022	61.28	61.28	100
EX19S10	25Y-72H	16.73	2.94	0.0001	77.61	0.84	1581427
GWT-1	25Y-72H	99.00	2.43	0.0003	0.55	0.00	0
GWT-4	25Y-72H	99.00	2.43	0.0003	0.19	0.00	0
GWT-6	25Y-72H	99.00	2.43	0.0003	1.46	0.00	0
GWT-8	25Y-72H	99.00	2.43	0.0003	0.38	0.00	0
NLC	25Y-72H	99.00	2.43	0.0003	61.28	0.30	0
POND 19W12	25Y-72H	16.73	10.46	0.0010	67.32	66.90	9583
POND 19W13	25Y-72H	17.86	4.83	0.0008	61.35	32.55	50775
POND 19W14	25Y-72H	5.43	3.80	0.0004	64.64	61.47	36096
POND 19W15	25Y-72H	5.43	5.54	0.0010	45.70	32.87	20507

Link Min/Max Conditions [System 19 - Post Dev]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX19PONDW13_PONDW14	100Y-1H	16.12	-0.34	0.02	2.81	5.22	4.00
EX19PONDW15_PONDW14	100Y-1H	35.07	-0.06	-0.03	3.21	6.57	4.89
EX19S01_19GW01	100Y-1H	0.71	0.00	0.00	0.00	0.00	0.00
EX19S01_WEIR	100Y-1H	1.65	-0.02	-0.74	0.94	0.94	0.94
EX19S04_19GW04	100Y-1H	0.29	0.00	0.00	0.00	0.00	0.00
EX19S04_WEIR	100Y-1H	1.02	-0.01	-0.38	0.80	0.80	0.80
EX19S06_19GW06	100Y-1H	1.82	0.00	0.00	0.00	0.00	0.00
EX19S06_WEIR	100Y-1H	2.94	0.00	-2.18	1.04	1.04	1.04
EX19S09_NLC	100Y-1H	62.28	-0.27	-3.41	4.96	4.96	4.96
EX19S09_WEIR	100Y-1H	62.28	0.00	0.06	2.98	2.98	2.98
EX19S10_19GW10	100Y-1H	0.41	0.00	0.00	0.00	0.00	0.00
EX19S10_PONDW13	100Y-1H	0.06	-11.97	-0.01	-2.55	-5.37	-3.96
EX19S10_WEIR	100Y-1H	81.87	0.00	-0.11	3.46	3.46	3.46
EX19PONDW13_PONDW14	100Y-24H	6.15	-0.46	-0.01	2.01	3.51	2.76
EX19PONDW15_PONDW14	100Y-24H	8.86	-0.12	0.00	1.95	4.26	3.10
EX19S01_19GW01	100Y-24H	0.34	0.00	0.00	0.00	0.00	0.00
EX19S01_WEIR	100Y-24H	0.41	0.00	-0.40	0.21	0.21	0.21
EX19S04_19GW04	100Y-24H	0.19	0.00	0.00	0.00	0.00	0.00
EX19S04_WEIR	100Y-24H	0.34	0.00	-0.34	0.13	0.13	0.13
EX19S06_19GW06	100Y-24H	1.00	-0.01	-0.01	0.00	0.00	0.00
EX19S06_WEIR	100Y-24H	1.78	0.00	-1.56	0.58	0.58	0.58
EX19S09_NLC	100Y-24H	18.69	-0.21	3.60	1.49	1.49	1.49
EX19S09_WEIR	100Y-24H	18.68	0.00	0.01	2.00	2.00	2.00
EX19S10_19GW10	100Y-24H	0.49	0.00	0.00	0.00	0.00	0.00
EX19S10_PONDW13	100Y-24H	0.50	-4.36	0.01	-1.62	-3.97	-2.80
EX19S10_WEIR	100Y-24H	14.20	0.00	0.03	1.93	1.93	1.93

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX19PONDW13_PONDW14	100Y-8H	15.61	-0.33	0.01	2.70	5.50	4.09
EX19PONDW15_PONDW14	100Y-8H	26.17	-0.09	0.02	2.83	6.01	4.42
EX19S01_19GW01	100Y-8H	0.51	0.00	0.00	0.00	0.00	0.00
EX19S01_WEIR	100Y-8H	1.06	0.00	-1.06	0.22	0.22	0.22
EX19S04_19GW04	100Y-8H	0.19	0.00	0.00	0.00	0.00	0.00
EX19S04_WEIR	100Y-8H	0.45	0.00	-0.34	0.15	0.15	0.15
EX19S06_19GW06	100Y-8H	1.43	-0.01	-0.01	0.00	0.00	0.00
EX19S06_WEIR	100Y-8H	2.49	0.00	-2.08	0.78	0.78	0.78
EX19S09_NLC	100Y-8H	52.23	-0.13	-3.46	4.16	4.16	4.16
EX19S09_WEIR	100Y-8H	52.24	0.00	0.03	2.81	2.81	2.81
EX19S10_19GW10	100Y-8H	0.46	0.00	0.00	0.00	0.00	0.00
EX19S10_PONDW13	100Y-8H	0.27	-12.08	-0.01	-2.57	-5.38	-3.97
EX19S10_WEIR	100Y-8H	42.59	0.00	0.07	2.78	2.78	2.78
EX19PONDW13_PONDW14	10Y-1H	9.55	-0.34	0.01	2.34	4.02	3.17
EX19PONDW15_PONDW14	10Y-1H	22.29	-0.06	-0.02	2.66	5.73	4.19
EX19S01_19GW01	10Y-1H	0.59	0.00	0.00	0.00	0.00	0.00
EX19S01_WEIR	10Y-1H	1.54	0.00	-0.61	0.92	0.92	0.92
EX19S04_19GW04	10Y-1H	0.26	0.00	0.00	0.00	0.00	0.00
EX19S04_WEIR	10Y-1H	0.95	-0.01	-0.36	0.78	0.78	0.78
EX19S06_19GW06	10Y-1H	1.49	0.00	0.00	0.00	0.00	0.00
EX19S06_WEIR	10Y-1H	2.47	0.00	-1.97	1.02	1.02	1.02
EX19S09_NLC	10Y-1H	37.43	-0.08	-3.30	2.98	2.98	2.98
EX19S09_WEIR	10Y-1H	37.43	0.00	0.05	2.52	2.52	2.52
EX19S10_19GW10	10Y-1H	0.39	0.00	0.00	0.00	0.00	0.00
EX19S10_PONDW13	10Y-1H	0.02	-6.86	-0.01	-1.95	-4.53	-3.24
EX19S10_WEIR	10Y-1H	55.87	0.00	-0.09	3.04	3.04	3.04
EX19PONDW13_PO	10Y-24H	3.91	-0.51	-0.01	1.73	2.63	2.18

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
NDW14							
EX19PONDW15_PONDW14	10Y-24H	5.76	-0.07	0.00	1.74	3.28	2.51
EX19S01_19GW01	10Y-24H	0.28	0.00	0.00	0.00	0.00	0.00
EX19S01_WEIR	10Y-24H	0.48	0.00	-0.46	0.23	0.23	0.23
EX19S04_19GW04	10Y-24H	0.17	0.00	0.00	0.00	0.00	0.00
EX19S04_WEIR	10Y-24H	0.26	0.00	-0.25	0.15	0.15	0.15
EX19S06_19GW06	10Y-24H	0.85	-0.01	-0.01	0.00	0.00	0.00
EX19S06_WEIR	10Y-24H	1.21	0.00	-0.90	0.56	0.56	0.56
EX19S09_NLC	10Y-24H	12.49	-0.10	3.50	0.99	0.99	0.99
EX19S09_WEIR	10Y-24H	12.00	0.00	0.00	1.72	1.72	1.72
EX19S10_19GW10	10Y-24H	0.45	0.00	0.00	0.00	0.00	0.00
EX19S10_PONDW13	10Y-24H	0.20	-2.69	0.00	-1.34	-3.48	-2.41
EX19S10_WEIR	10Y-24H	9.37	0.00	0.03	1.68	1.68	1.68
EX19PONDW13_PONDW14	10Y-8H	10.55	-0.32	0.01	2.38	4.53	3.45
EX19PONDW15_PONDW14	10Y-8H	18.12	-0.06	0.01	2.46	5.40	3.93
EX19S01_19GW01	10Y-8H	0.43	0.00	0.00	0.00	0.00	0.00
EX19S01_WEIR	10Y-8H	0.62	0.00	-0.45	0.22	0.22	0.22
EX19S04_19GW04	10Y-8H	0.18	0.00	0.00	0.00	0.00	0.00
EX19S04_WEIR	10Y-8H	0.39	0.00	-0.35	0.15	0.15	0.15
EX19S06_19GW06	10Y-8H	1.16	-0.01	-0.01	0.00	0.00	0.00
EX19S06_WEIR	10Y-8H	2.07	0.00	-1.74	0.78	0.78	0.78
EX19S09_NLC	10Y-8H	35.68	-0.12	3.45	2.84	2.84	2.84
EX19S09_WEIR	10Y-8H	35.68	0.00	0.02	2.48	2.48	2.48
EX19S10_19GW10	10Y-8H	0.43	0.00	0.00	0.00	0.00	0.00
EX19S10_PONDW13	10Y-8H	0.12	-7.85	-0.01	-2.07	-4.71	-3.39
EX19S10_WEIR	10Y-8H	30.12	0.00	-0.05	2.48	2.48	2.48
EX19PONDW13_PONDW14	25Y-72H	17.14	-0.40	0.01	2.84	5.61	4.20

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX19PONDW15_PONDW14	25Y-72H	32.31	-0.11	0.02	3.09	6.41	4.75
EX19S01_19GW01	25Y-72H	0.55	0.00	0.00	0.00	0.00	0.00
EX19S01_WEIR	25Y-72H	0.74	-0.02	-0.48	0.17	0.17	0.17
EX19S04_19GW04	25Y-72H	0.19	0.00	0.00	0.00	0.00	0.00
EX19S04_WEIR	25Y-72H	0.34	-0.01	-0.34	0.17	0.17	0.17
EX19S06_19GW06	25Y-72H	1.46	0.00	0.00	0.00	0.00	0.00
EX19S06_WEIR	25Y-72H	2.53	-0.08	-2.08	0.54	0.54	0.54
EX19S09_NLC	25Y-72H	61.28	-0.30	3.70	4.88	4.88	4.88
EX19S09_WEIR	25Y-72H	61.28	0.00	0.04	2.97	2.97	2.97
EX19S10_19GW10	25Y-72H	0.38	0.00	0.00	0.00	0.00	0.00
EX19S10_PONDW13	25Y-72H	0.48	-13.01	-0.01	-2.69	-5.51	-4.10
EX19S10_WEIR	25Y-72H	66.90	0.00	-0.12	3.23	3.23	3.23

Node Mass Balance Condensed [System 19 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX19S01	100Y-1H	14213	14170	43
EX19S01	100Y-24H	33378	33361	17
EX19S01	100Y-8H	18072	18075	-4
EX19S01	10Y-1H	13363	13357	5
EX19S01	10Y-24H	26076	26032	44
EX19S01	10Y-8H	16045	15986	60
EX19S01	25Y-72H	62968	62720	249

Node Mass Balance Condensed [System 19 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX19S04	100Y-1H	12513	12448	65
EX19S04	100Y-24H	22366	22201	165
EX19S04	100Y-8H	14238	14208	30
EX19S04	10Y-1H	12123	12066	57
EX19S04	10Y-24H	19723	19642	82
EX19S04	10Y-8H	13121	13091	30
EX19S04	25Y-72H	42078	41804	274

Node Mass Balance Condensed [System 19 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX19S06	100Y-1H	44938	44806	132
EX19S06	100Y-24H	111437	111162	275
EX19S06	100Y-8H	66219	65976	243
EX19S06	10Y-1H	40330	40259	71
EX19S06	10Y-24H	86783	86641	142
EX19S06	10Y-8H	52669	52501	168
EX19S06	25Y-72H	194509	194178	331

Node Mass Balance Condensed [System 19 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX19S09	100Y-1H	217479	217520	-41
EX19S09	100Y-24H	645736	645804	-68
EX19S09	100Y-8H	463511	463556	-45
EX19S09	10Y-1H	132895	132939	-44
EX19S09	10Y-24H	390035	390310	-275
EX19S09	10Y-8H	309827	309857	-30

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX19S09	25Y-72H	545241	545666	-425

Node Mass Balance Condensed [System 19 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX19S10	100Y-1H	220172	38804	181367
EX19S10	100Y-24H	637193	90469	546724
EX19S10	100Y-8H	453856	59057	394799
EX19S10	10Y-1H	139116	35561	103554
EX19S10	10Y-24H	409551	62094	347457
EX19S10	10Y-8H	307669	46348	261321
EX19S10	25Y-72H	701345	133175	568169

Node Mass Balance Condensed [System 19 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-1	100Y-1H	14170	0	14170
GWT-1	100Y-24H	33361	0	33361
GWT-1	100Y-8H	18075	0	18075
GWT-1	10Y-1H	13357	0	13357
GWT-1	10Y-24H	26032	0	26032
GWT-1	10Y-8H	15986	1	15985
GWT-1	25Y-72H	62720	0	62719

Node Mass Balance Condensed [System 19 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-4	100Y-1H	12448	0	12448
GWT-4	100Y-24H	22201	0	22201
GWT-4	100Y-8H	14208	1	14207
GWT-4	10Y-1H	12066	0	12066
GWT-4	10Y-24H	19642	1	19641
GWT-4	10Y-8H	13091	1	13090
GWT-4	25Y-72H	41804	1	41803

Node Mass Balance Condensed [System 19 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-6	100Y-1H	44806	0	44806
GWT-6	100Y-24H	111162	1	111160
GWT-6	100Y-8H	65976	2	65974
GWT-6	10Y-1H	40259	0	40259
GWT-6	10Y-24H	86641	2	86638
GWT-6	10Y-8H	52501	4	52497
GWT-6	25Y-72H	194178	1	194177

Node Mass Balance Condensed [System 19 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-8	100Y-1H	36504	0	36504
GWT-8	100Y-24H	57468	0	57468
GWT-8	100Y-8H	43572	0	43572
GWT-8	10Y-1H	34982	0	34982
GWT-8	10Y-24H	51437	0	51437
GWT-8	10Y-8H	40512	0	40512
GWT-8	25Y-72H	100184	0	100184

Node Mass Balance Condensed [System 19 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
NLC	100Y-1H	217520	14	217506
NLC	100Y-24H	645804	17	645787
NLC	100Y-8H	463556	35	463521
NLC	10Y-1H	132939	14	132925
NLC	10Y-24H	390310	24	390286
NLC	10Y-8H	309857	35	309822
NLC	25Y-72H	545666	25	545641

Node Mass Balance Condensed [System 19 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 19W12	100Y-1H	185293	161557	23735
POND 19W12	100Y-24H	502882	479157	23725
POND 19W12	100Y-8H	356614	332890	23725
POND 19W12	10Y-1H	126360	102626	23734
POND 19W12	10Y-24H	329194	305469	23725
POND 19W12	10Y-8H	249993	226267	23726
POND 19W12	25Y-72H	543262	519534	23728

Node Mass Balance Condensed [System 19 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 19W13	100Y-1H	177473	176772	701
POND 19W13	100Y-24H	492757	488926	3831
POND 19W13	100Y-8H	345538	344256	1283
POND 19W13	10Y-1H	122069	121504	565
POND 19W13	10Y-24H	318662	317487	1175
POND 19W13	10Y-8H	240042	239179	864
POND 19W13	25Y-72H	565703	551981	13722

Node Mass Balance Condensed [System 19 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 19W14	100Y-1H	238567	238109	458
POND 19W14	100Y-24H	678748	675824	2923
POND 19W14	100Y-8H	485669	485223	446
POND 19W14	10Y-1H	153573	153123	451
POND 19W14	10Y-24H	420129	419717	412
POND 19W14	10Y-8H	331462	331053	409
POND 19W14	25Y-72H	642074	632084	9990

Node Mass Balance Condensed [System 19 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 19W15	100Y-1H	126032	125977	56
POND 19W15	100Y-24H	346100	345966	134
POND 19W15	100Y-8H	242956	242857	99
POND 19W15	10Y-1H	86024	85931	93
POND 19W15	10Y-24H	223871	223810	61
POND 19W15	10Y-8H	169883	169847	36
POND 19W15	25Y-72H	374415	370829	3586

System 20

Pre-Development Land Use Tables
Post-Development Land Use Tables
Water Quality Summary Table
Drainage Calculations
Drainage System Summary Tables
Pre-Development Node Link Diagram
Pre-Development ICPR Input/Output
Post-Development Node Link Diagram
Post-Development ICPR Input/Output

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

TABLE 20-1: PRE-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 20 **SHGWT EL. (ft-NAVD): 1.43**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
20B01	**10**	**0.29**	**0.29**	0.28	0.00	0.01	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**97.26**
20B02	**10**	**0.85**	**0.85**	0.81	0.00	0.04	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**96.29**
20B04	**10**	**0.66**	**0.66**	0.60	0.00	0.06	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**93.08**
20B05	**10**	**0.71**	**0.71**	0.61	0.00	0.10	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**89.67**
20B06	**10**	**1.50**	**1.50**	1.12	0.00	0.38	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**82.83**
20B07	**10**	**0.15**	**0.15**	0.15	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
20B08	**10**	**0.18**	**0.18**	0.18	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
20B09	**10**	**0.18**	**0.18**	0.18	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
20B11	**10**	**0.15**	**0.15**	0.15	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
20B13	**10**	**0.10**	**0.10**	0.10	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
20B15	**10**	**0.19**	**0.19**	0.19	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
20B16	**10**	**0.38**	**0.38**	0.38	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
20B17	**10**	**0.18**	**0.18**	0.18	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
20B18	**10**	**0.18**	**0.18**	0.18	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
20B20	**10**	**0.05**	**0.05**	0.05	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
20B22	**10**	**0.32**	**0.32**	0.32	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
POND 20W3	**10**	**16.30**	**16.30**	14.61	0.00	1.69	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**98.00**
POND 20W4	**10**	**4.20**	**4.20**	0.94	0.00	3.26	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**96.63**
POND 20W5	**10**	**1.46**	**1.46**	0.31	0.00	1.15	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**96.58**
POND 20W6	**10**	**1.55**	**1.55**	0.69	0.00	0.86	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**97.56**
SYSTEM 20 TOTALS		**29.58**	**29.58**	**22.03**	**0.00**	**7.55**	**0.00**	**0.00**	**0.00**	**0.00**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

POST-DEVELOPMENT LAND-USE

DRAINAGE SYSTEM: 20 **SHGWT EL. (ft-NAVD): 1.43**

BASIN	Time of Conc. t_c (min.)	TOTAL AREA (Ac.)	TOTAL ONSITE AREA (Ac.)	ONSITE IMPERVIOUS AREA (Ac.)	ONSITE WATER SURFACE AREA (Ac.)	ONSITE PERVIOUS AREA (Ac.)	TOTAL OFFSITE AREA (Ac.)	OFFSITE IMPERVIOUS AREA (Ac.)	OFFSITE WATER SURFACE AREA (Ac.)	OFFSITE PERVIOUS AREA (Ac.)	AVERAGE GROUND ELEV. (ft-NAVD)	AVERAGE DEPTH TO SHGWT (ft)	COMPACTED SOIL STORAGE (in)	CURVE NUMBER
20B01	**10**	**0.29**	**0.29**	0.28	0.00	0.01	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**97.26**
20B02	**10**	**0.85**	**0.85**	0.81	0.00	0.04	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**96.29**
20B04	**10**	**0.66**	**0.66**	0.60	0.00	0.06	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**93.08**
20B05	**10**	**0.71**	**0.71**	0.61	0.00	0.10	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**89.67**
20B06	**10**	**1.50**	**1.50**	1.12	0.00	0.38	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**82.83**
20B07	**10**	**0.15**	**0.15**	0.15	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
20B08	**10**	**0.18**	**0.18**	0.18	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
20B09	**10**	**0.18**	**0.18**	0.18	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
20B11	**10**	**0.15**	**0.15**	0.15	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
20B13	**10**	**0.10**	**0.10**	0.10	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
20B15	**10**	**0.19**	**0.19**	0.19	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
20B16	**10**	**0.38**	**0.38**	0.38	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
20B17	**10**	**0.16**	**0.16**	0.16	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
20B18	**10**	**0.18**	**0.18**	0.18	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
20B20	**10**	**0.05**	**0.05**	0.05	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
20B22	**10**	**0.32**	**0.32**	0.32	0.00	0.00	**0.00**	0.00	0.00	0.00	8.45	7.02	8.18	**98.00**
POND 20W3	**10**	**16.32**	**16.32**	14.63	0.00	1.69	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**98.00**
POND 20W4	**10**	**4.20**	**4.20**	0.94	0.00	3.26	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**96.63**
POND 20W5	**10**	**1.46**	**1.46**	0.31	0.00	1.15	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**96.58**
POND 20W6	**10**	**1.55**	**1.55**	0.69	0.00	0.86	**0.00**	0.00	0.00	0.00	2.45	1.02	0.45	**97.56**
SYSTEM TOTALS		**29.58**	**29.58**	**22.03**	**0.00**	**7.55**	**0.00**	**0.00**	**0.00**	**0.00**	--	--	--	--

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS
WATER QUALITY

Drainage System: ***20***

SYSTEM	SHGWT EL. (ft-NAVD)	TOTAL ONSITE AREA (Ac.) *[POST-DEV.]*	ONSITE IMPERVIOUS AREA (Ac.) *[POST-DEV.]*	ONSITE PERVIOUS AREA (Ac.) *[POST-DEV.]*	SFWMD 1" OVER TOTAL ONSITE AREA (Ac-ft)	SFWMD 2.5" OVER IMPERVIOUS AREA (Ac-ft)	[1] SFWMD WATER QUALITY TREATMENT REQUIRED FOR RETENTION (Ac-ft)	[2] DRER WATER QUALITY TREATMENT REQUIRED (Ac-ft)	DRY- / WET-RETENTION TREATMENT VOLUME PROVIDED (Ac-ft)	FRENCH DRAIN TREATMENT VOLUME PROVIDED (Ac-ft)	TOTAL TREATMENT VOLUME PROVIDED (Ac-ft)	SURPLUS TREATMENT VOLUME PROVIDED (Ac-ft)
20	1.43	29.58	22.03	7.55	2.47	4.59	**2.29**	**3.79**	0.03	16.34	**16.37**	**12.58**
SYSTEM TOTAL	1.43	29.58	22.03	7.55	2.47	4.59	**2.29**	**3.79**	0.03	16.34	**16.37**	**12.58**

[1] Greater of 1" over Total Onsite Area and 2.5" over Onsite Impervious Area, multiplied by 0.50 to account for 50% retention volume required.
[2] See next page for water quality calculations by Miami-Dade Department of Regulatory and Economic Resources (DRER).

POND 20W3			POND 20W4			POND 20W5			POND 20W6		
TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention		TYPE:	Dry Retention	
STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)	STAGE (ft-NAVD)	AREA (Ac.)	VOLUME (Ac-ft)
2.43	0.58		2.43	1.37		2.43	0.20		2.43	0.51	
2.58	0.59	0.09	*2.58*	*1.38*	*0.21*	2.58	0.21	*0.03*	2.58	0.52	*0.08*
2.59	**0.59**	**0.01**	**2.59**	**1.38**	***0.01***	**2.59**	**0.21**	***0.00***	**2.59**	**0.52**	***0.01***
3.43	*0.63*	0.51	3.43	1.46	*1.19*	3.43	0.27	*0.20*	3.43	0.56	*0.45*
4.43	0.68	0.66	4.43	1.55	*1.51*	4.43	0.34	*0.31*	4.43	0.61	*0.59*

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES DRAINAGE CALCULATIONS

TABLE 20-6: WATER QUALITY CALCULATIONS BY DRER

Drainage System: 20

AREA:

Onsite Impervious	**22.03**	Ac.	74%
Onsite Pervious	**7.55**	Ac.	26%
Total Area	**29.58**	Ac.	
	Cimp.=	*90*	*0.90*
	Cperv.=	*30*	*0.30*

DRER CRITERIA:

$$t_{1"} = \frac{2940 \times F^{-0.11}}{308.5 \times C - 60.5 \left(0.5895 + F^{-0.67} \right)}$$

WHERE:

$t_{1"}$ = *time to generate 1" of runoff, in minutes*

F= 10 Yr.,frequency in years, *DCPW Manual, Part II, Section D4 - Water Control, Table I. See Appendix A.*

Cwtd= 0.75 *weighted runoff coefficient (from the rational formula)*

Tc= 10 min. *time of concentration, in minutes*

$$C = (A_{IMP} \times C_{IMP} + A_{PERV} \times C_{PERV}) / A_T = \mathbf{0.75}$$

$t_{1"}$ = 12.55 min.

TOTAL TIME OF CONCENTRATION (T_T)

$T_T = t_{1"} + Tc =$ 22.55 min.

STORM INTENSITY (Dade County Rainfall Intensity-Duration-Frequency Curves)

$$i = \frac{308.5}{48.6 \times F^{-0.11} + Tt \left(0.5895 + F^{-0.67} \right)}$$

i = 5.52 in/hr.

DETERMINE THE TOTAL RUNOFF VOLUME TO BE TREATED V(1") (FOR 1 INCH):

$V_{1"} = 60\ CiAT_t =$ **165150.25** **cf** **3.79** **ac.-ft.**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

Variable Groundwater Calculations

Drainage System:	***20***

Stage = DHW + [PRG x (RF - DHW)]
See ADICPR Technical Design Guide 2-25

Elevation Conversion:	-1.57	ft.	(NGVD-NAVD)

DHW =	3.00	ft. - NGVD	Design High Water / October Average Groundwater Elevation
	1.43	ft. - NAVD	(MD PWD - W.C. 2.2)
RF =	4.50	ft. - NGVD	Return Frequency Groundwater Elevation / Average Yearly Highest Groundwater Level (AYH) (MD PWD
	2.93	ft. - NAVD	- W.C. 2.1)
PRG=	Variable		(Percentage Rise in Groundwater)

8-hr Design Storm Duration

Time (hrs)	PRG %	Stage (ft)
0	0.00	1.43
1	0.02	1.46
2	0.13	1.63
3	0.28	1.85
4	0.70	2.48
5	0.86	2.72
6	0.92	2.81
7	0.97	2.89
8	1.00	2.93
12	0.00	1.43

24-hr Design Storm Duration

Time (hrs)	PRG %	Stage (ft)
0	0.00	1.43
1	0.01	1.45
2	0.03	1.48
3	0.06	1.52
4	0.09	1.57
5	0.12	1.61
6	0.16	1.67
7	0.20	1.73
8	0.24	1.79
9	0.30	1.88
10	0.36	1.97
11	0.44	2.09
12	0.54	2.24
13	0.61	2.35
14	0.67	2.44
15	0.73	2.53
16	0.78	2.60
17	0.82	2.66
18	0.86	2.72
19	0.90	2.78
20	0.93	2.83
21	0.96	2.87
22	0.98	2.90
23	0.99	2.92
24	1.00	2.93
36	0.00	1.43

72-hr Design Storm Duration

Time (hrs)	PRG %	Stage (ft)
0	0.00	1.43
24	0.11	1.59
36	0.19	1.71
48	0.26	1.83
49	0.27	1.84
50	0.28	1.85
51	0.29	1.86
52	0.30	1.88
53	0.31	1.89
54	0.33	1.92
55	0.34	1.95
56	0.37	1.98
57	0.39	2.02
57.5	0.40	2.04
58	0.42	2.06
58.5	0.44	2.09
59	0.46	2.12
59.5	0.50	2.18
60	0.75	2.55
60.5	0.80	2.63
61	0.83	2.67
61.5	0.85	2.70
62	0.87	2.73
62.5	0.88	2.75
63	0.89	2.76
64	0.91	2.80
65	0.92	2.82
66	0.94	2.84
68	0.96	2.88
70	0.98	2.90
72	1.00	2.93
108	0.00	1.43

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

VARIABLE TAILWATER*

FOR SYSTEM 20:

8HR			24HR			72HR		
TIME	STAGE (FT-NGVD)	STAGE (FT-NGVD)	TIME	STAGE (FT-NGVD)	STAGE (FT-NGVD)	TIME	STAGE (FT-NGVD)	STAGE (FT-NGVD)
0.00	3.00	1.43	0.00	3.00	1.43	0.00	3.00	1.43
8.00	4.00	2.43	24.00	4.00	2.43	72.00	4.00	2.43
12.00	3.00	1.43	36.00	3.00	1.43	108.00	3.00	1.43

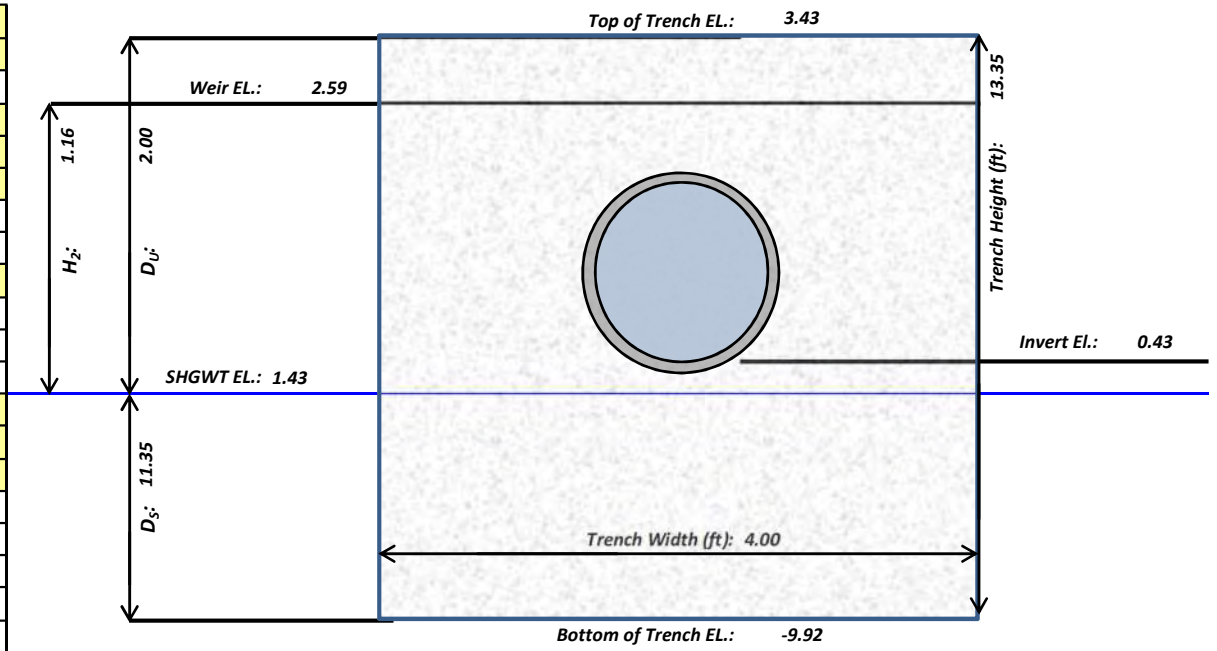
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 20

French Drain (ICPR Link Name):	EX20S01_20GW01
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	64.5
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	32.25
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	0.43
Top of Trench EL. (ft-NAVD):	3.43
Bottom of Trench EL. (ft-NAVD):	-9.92
Trench Height, H_T (ft):	13.35
Weir EL. (ft-NAVD):	2.59
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.16
Non-Saturated Trench Depth, D_U (ft):	2.00
Saturated Trench Depth, D_S (ft):	11.35
H_2W:	4.64
$2H_2D_U$:	4.64
D_U^2:	4.00
$2H_2D_S$:	26.33
$(1.39x10^{-4})WD_U$:	0.001112
d_2:	0.00
d_3:	1.42
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	5.59E-04
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	8.71E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	0.52
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.52**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 20

French Drain (ICPR Link Name): **EX20S01_20GW01**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **32.25**
Trench Height, H_T (ft): **13.35**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **0.43**
Top of Trench EL. (ft-NAVD): **3.43**
Bottom of Trench EL. (ft-NAVD): **-9.92**
Weir EL. (ft-NAVD): **2.59**
Upstream Structure Rim/Grate EL. (ft-NAVD): **5.66**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**
*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

*** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**3.43**	2.00	11.35	2.00	0.04503	**1.4524**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	2.00	11.35	4.01	0.09029	**2.9120**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**3.43**	1.00	12.35	1.00	0.02308	**0.7442**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.43	**5.44**	1.00	12.35	3.01	0.06946	**2.2401**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**3.43**	**1.4524**
1.43	**5.44**	**2.9120**
2.43	**2.43**	**0.0000**
2.43	**3.43**	**0.7442**
2.43	**5.44**	**2.2401**

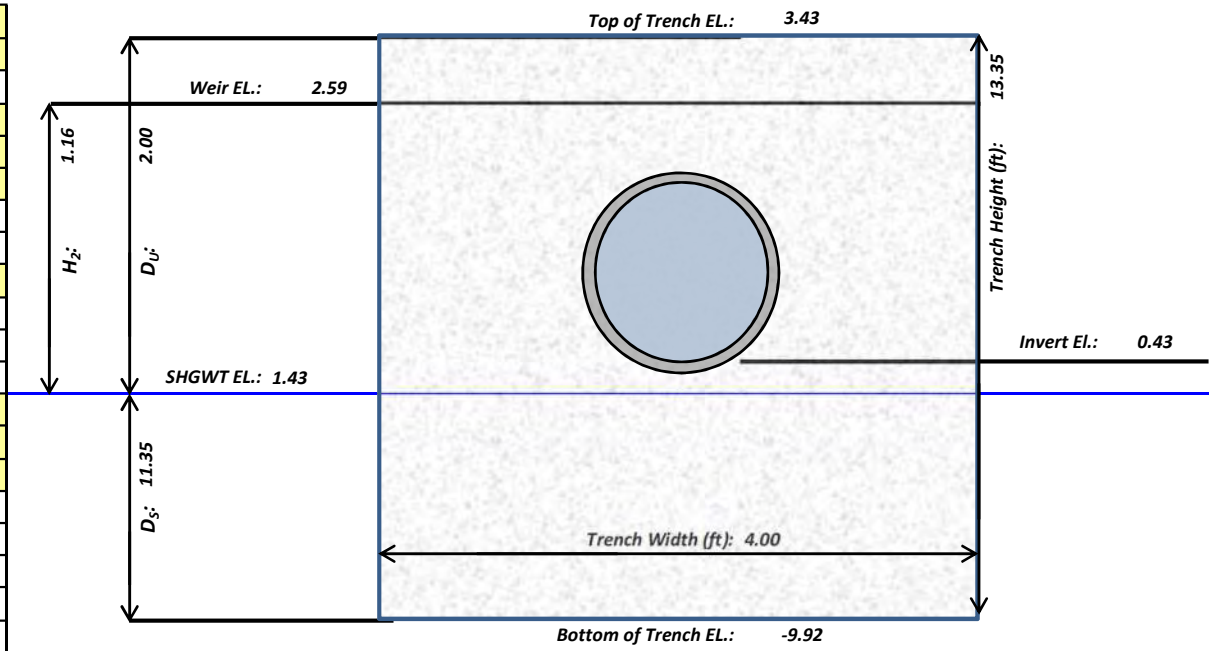
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 20

French Drain (ICPR Link Name):	EX20S02_20GW02
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	103.5
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	51.75
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	0.43
Top of Trench EL. (ft-NAVD):	3.43
Bottom of Trench EL. (ft-NAVD):	-9.92
Trench Height, H_T (ft):	13.35
Weir EL. (ft-NAVD):	2.59
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.16
Non-Saturated Trench Depth, D_U (ft):	2.00
Saturated Trench Depth, D_S (ft):	11.35
H_2W:	4.64
$2H_2D_U$:	4.64
D_U^2:	4.00
$2H_2D_S$:	26.33
$(1.39x10^{-4})WD_U$:	0.001112
d_2:	0.00
d_3:	1.42
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	5.59E-04
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	8.71E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	0.84
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.84**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 20

French Drain (ICPR Link Name): **EX20S02_20GW02**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **51.75**
Trench Height, H_T (ft): **13.35**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **0.43**
Top of Trench EL. (ft-NAVD): **3.43**
Bottom of Trench EL. (ft-NAVD): **-9.92**
Weir EL. (ft-NAVD): **2.59**
Upstream Structure Rim/Grate EL. (ft-NAVD): **5.15**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**3.43**	2.00	11.35	2.00	0.04503	**2.3305**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	2.00	11.35	4.01	0.09029	**4.6727**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**3.43**	1.00	12.35	1.00	0.02308	**1.1942**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.43	**5.44**	1.00	12.35	3.01	0.06946	**3.5945**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**3.43**	**2.3305**
1.43	**5.44**	**4.6727**
2.43	**2.43**	**0.0000**
2.43	**3.43**	**1.1942**
2.43	**5.44**	**3.5945**

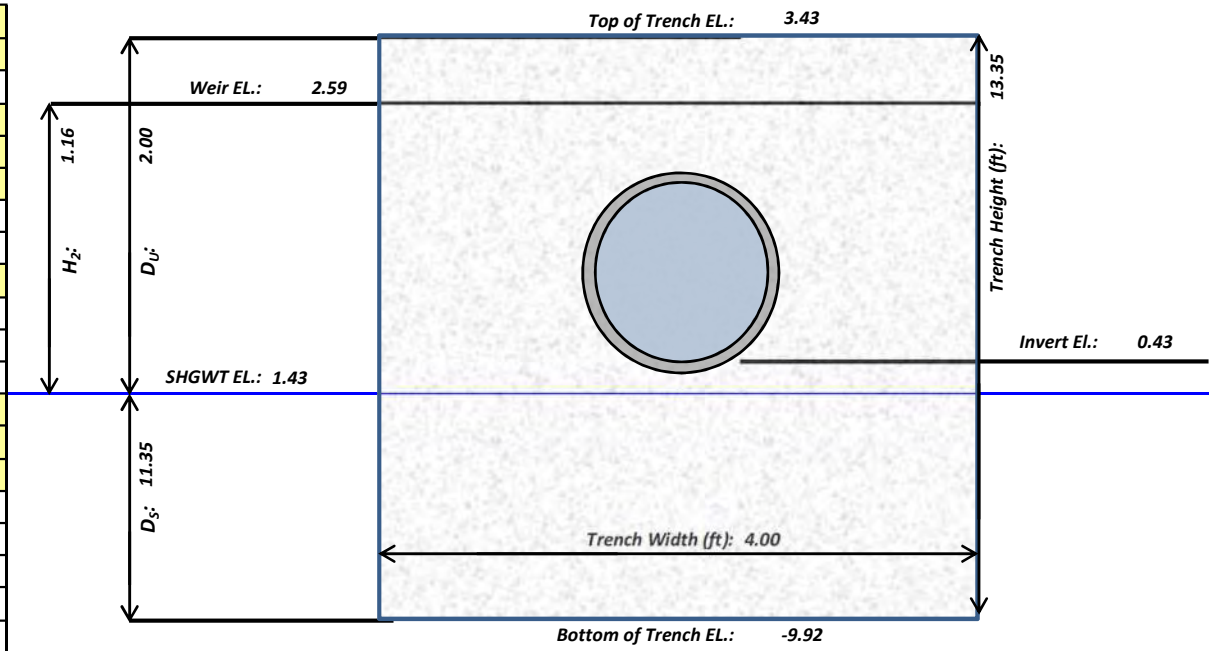
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 20

French Drain (ICPR Link Name):	EX20S04_20GW04
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	236.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	118.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	0.43
Top of Trench EL. (ft-NAVD):	3.43
Bottom of Trench EL. (ft-NAVD):	-9.92
Trench Height, H_T (ft):	13.35
Weir EL. (ft-NAVD):	2.59
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.16
Non-Saturated Trench Depth, D_U (ft):	2.00
Saturated Trench Depth, D_S (ft):	11.35
H_2W:	4.64
$2H_2D_U$:	4.64
D_U^2:	4.00
$2H_2D_S$:	26.33
$(1.39x10^{-4})WD_U$:	0.001112
d_2:	0.00
d_3:	1.42
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	5.59E-04
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	8.71E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	1.91
$D_U > D_S$ and $W < 2H_T$(Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**1.91**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 20

French Drain (ICPR Link Name): **EX20S04_20GW04**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **118.00**
Trench Height, H_T (ft): **13.35**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **0.43**
Top of Trench EL. (ft-NAVD): **3.43**
Bottom of Trench EL. (ft-NAVD): **-9.92**
Weir EL. (ft-NAVD): **2.59**
Upstream Structure Rim/Grate EL. (ft-NAVD): **5.80**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**3.43**	2.00	11.35	2.00	0.04503	**5.3141**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	2.00	11.35	4.01	0.09029	**10.6547**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**3.43**	1.00	12.35	1.00	0.02308	**2.7230**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.43	**5.44**	1.00	12.35	3.01	0.06946	**8.1962**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**3.43**	**5.3141**
1.43	**5.44**	**10.6547**
2.43	**2.43**	**0.0000**
2.43	**3.43**	**2.7230**
2.43	**5.44**	**8.1962**

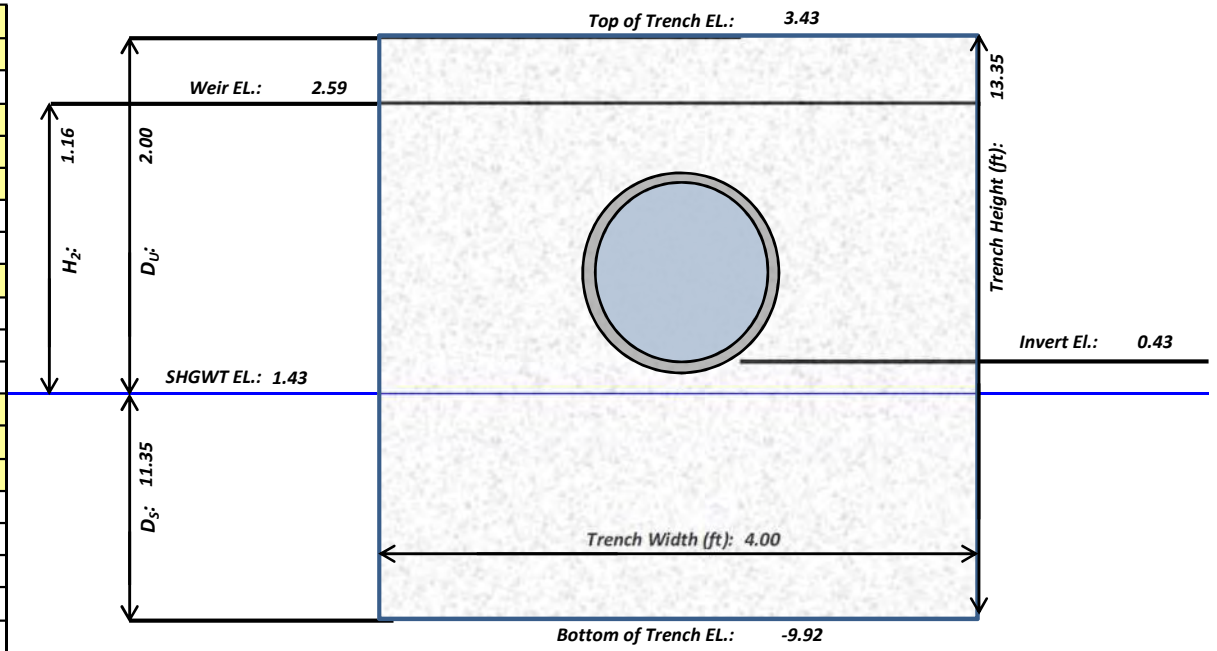
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 20

French Drain (ICPR Link Name):	EX20S05_20GW05
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	263.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	131.50
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	0.43
Top of Trench EL. (ft-NAVD):	3.43
Bottom of Trench EL. (ft-NAVD):	-9.92
Trench Height, H_T (ft):	13.35
Weir EL. (ft-NAVD):	2.59
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.16
Non-Saturated Trench Depth, D_U (ft):	2.00
Saturated Trench Depth, D_S (ft):	11.35
H_2W:	4.64
$2H_2D_U$:	4.64
D_U^2:	4.00
$2H_2D_S$:	26.33
$(1.39x10^{-4})WD_U$:	0.001112
d_2:	0.00
d_3:	1.42
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	5.59E-04
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	8.71E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	2.13
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**2.13**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 20

French Drain (ICPR Link Name): **EX20S05_20GW05**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **131.50**
Trench Height, H_T (ft): **13.35**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **0.43**
Top of Trench EL. (ft-NAVD): **3.43**
Bottom of Trench EL. (ft-NAVD): **-9.92**
Weir EL. (ft-NAVD): **2.59**
Upstream Structure Rim/Grate EL. (ft-NAVD): **6.57**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**3.43**	2.00	11.35	2.00	0.04503	**5.9220**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	2.00	11.35	4.01	0.09029	**11.8737**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**3.43**	1.00	12.35	1.00	0.02308	**3.0345**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.43	**5.44**	1.00	12.35	3.01	0.06946	**9.1339**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**3.43**	**5.9220**
1.43	**5.44**	**11.8737**
2.43	**2.43**	**0.0000**
2.43	**3.43**	**3.0345**
2.43	**5.44**	**9.1339**

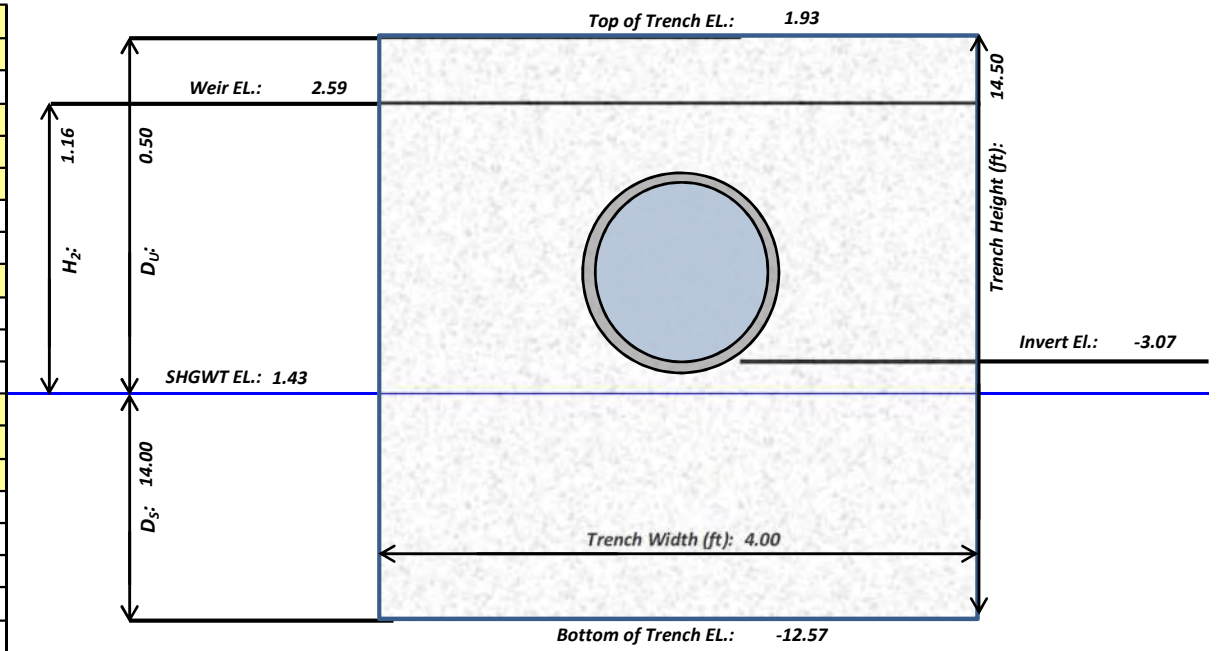
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 20

French Drain (ICPR Link Name):	EX20S12_20GW12
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	84.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	42.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	2.59
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.16
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	4.64
$2H_2D_U$:	1.16
D_U^2:	0.25
$2H_2D_S$:	32.48
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
K_{10} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	1.80E-05
K_{15} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	4.10E-05
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	0.04
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.04**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 20

French Drain (ICPR Link Name): **EX20S12_20GW12**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **42.00**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **2.59**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**
*** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

*** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.00046	**0.0194**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	0.50	14.00	4.01	0.00373	**0.1568**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.44**	-0.50	15.00	3.01	0.00280	**0.1176**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**0.0194**
1.43	**5.44**	**0.1568**
2.43	**2.43**	**0.0000**
2.43	**5.44**	**0.1176**

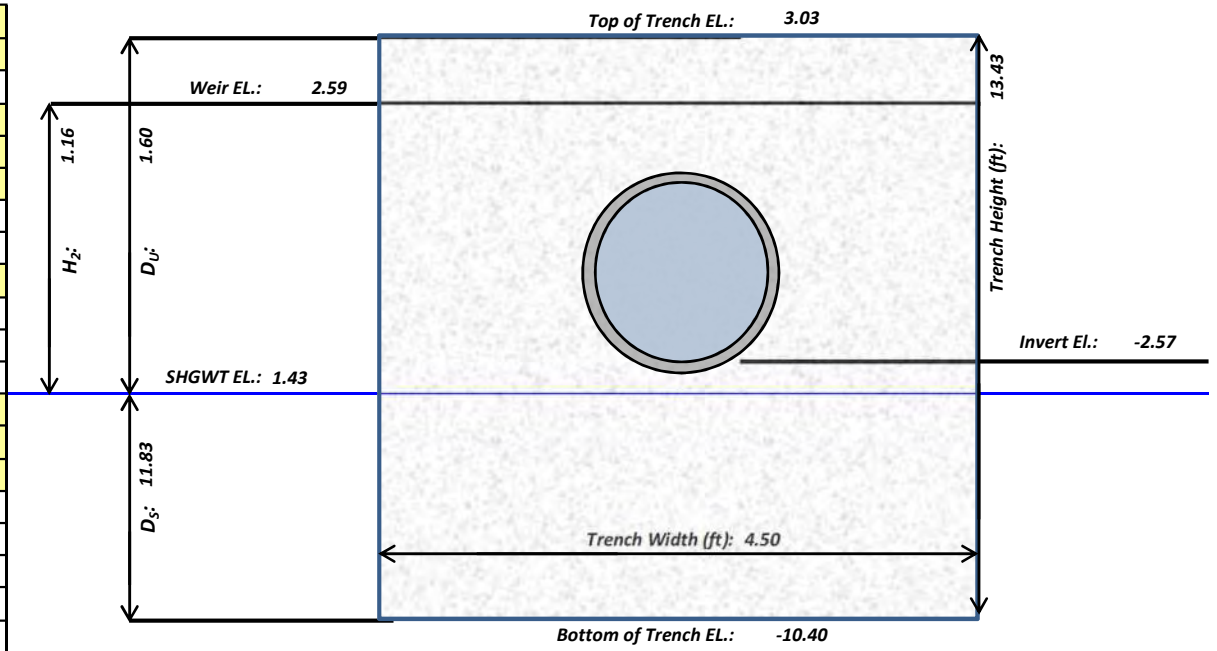
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 20

French Drain (ICPR Link Name):	EX20S14_20GW14
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	30
Effective Length of French Drain, L (LF):	66.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	33.00
Pipe Thickness (in):	3.50
Pipe Invert EL. (ft-NAVD):	-2.57
Top of Trench EL. (ft-NAVD):	3.03
Bottom of Trench EL. (ft-NAVD):	-10.40
Trench Height, H_T (ft):	13.43
Weir EL. (ft-NAVD):	2.59
Trench Width, W (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.16
Non-Saturated Trench Depth, D_U (ft):	1.60
Saturated Trench Depth, D_S (ft):	11.83
H_2W:	5.22
$2H_2D_U$:	3.71
D_U^2:	2.56
$2H_2D_S$:	27.45
$(1.39x10^{-4})WD_U$:	0.001001
d_2:	0.00
d_3:	1.90
K_{10} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	1.61E-03
K_{15} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	3.41E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	1.55
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**1.55**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 20

French Drain (ICPR Link Name): **EX20S14_20GW14**
Existing/Proposed: **Existing**
Pipe Size (in): **30**
Length of French Drain, *L* (LF) * : **33.00**
Trench Height, H_T (ft): **13.43**
Trench Width, *W* (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-2.57**
Top of Trench EL. (ft-NAVD): **3.03**
Bottom of Trench EL. (ft-NAVD): **-10.40**
Weir EL. (ft-NAVD): **2.59**
Upstream Structure Rim/Grate EL. (ft-NAVD): **6.05**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**3.03**	1.60	11.83	1.60	0.07053	**2.3274**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	1.60	11.83	4.01	0.10000	**6.6000**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**3.03**	0.60	12.83	0.60	0.02741	**0.9046**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.43	**5.44**	0.60	12.83	3.01	0.10000	**6.6000**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**3.03**	**2.3274**
1.43	**5.44**	**6.6000**
2.43	**2.43**	**0.0000**
2.43	**3.03**	**0.9046**
2.43	**5.44**	**6.6000**

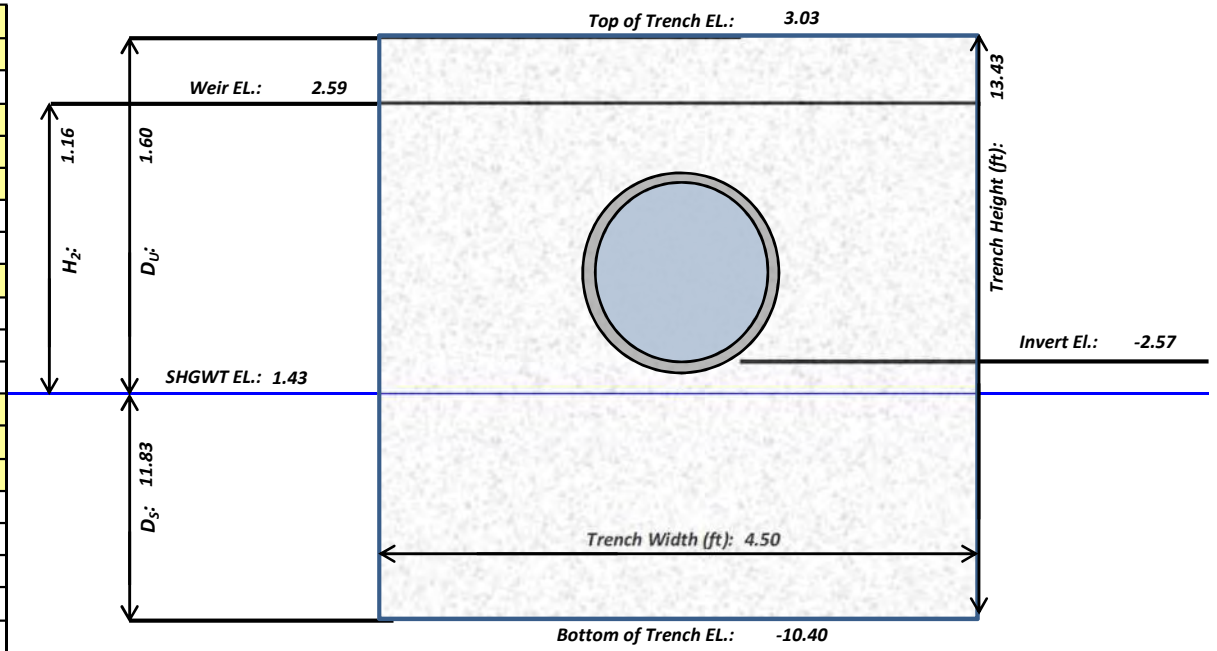
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 20

French Drain (ICPR Link Name):	EX20S15_20GW15
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	30
Effective Length of French Drain, L (LF):	125.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	62.50
Pipe Thickness (in):	3.50
Pipe Invert EL. (ft-NAVD):	-2.57
Top of Trench EL. (ft-NAVD):	3.03
Bottom of Trench EL. (ft-NAVD):	-10.40
Trench Height, H_T (ft):	13.43
Weir EL. (ft-NAVD):	2.59
Trench Width, W (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.16
Non-Saturated Trench Depth, D_U (ft):	1.60
Saturated Trench Depth, D_S (ft):	11.83
H_2W:	5.22
$2H_2D_U$:	3.71
D_U^2:	2.56
$2H_2D_S$:	27.45
$(1.39x10^{-4})WD_U$:	0.001001
d_2:	0.00
d_3:	1.90
K_{10} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	1.61E-03
K_{15} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	3.41E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	2.94
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**2.94**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 20

French Drain (ICPR Link Name): **EX20S15_20GW15**
Existing/Proposed: **Existing**
Pipe Size (in): **30**
Length of French Drain, *L* (LF) * : **62.50**
Trench Height, H_T (ft): **13.43**
Trench Width, *W* (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-2.57**
Top of Trench EL. (ft-NAVD): **3.03**
Bottom of Trench EL. (ft-NAVD): **-10.40**
Weir EL. (ft-NAVD): **2.59**
Upstream Structure Rim/Grate EL. (ft-NAVD): **5.71**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**3.03**	1.60	11.83	1.60	0.07053	**4.4079**	$E = 2K_{10}D_P(D_U/2+d_S)+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	1.60	11.83	4.01	0.10000	**12.5000**	$E = 2K_{10}D_P(D_U/2+d_S)+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**3.03**	0.60	12.83	0.60	0.02741	**1.7133**	$E = 2K_{10}D_P(D_U/2+d_S)+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.43	**5.44**	0.60	12.83	3.01	0.10000	**12.5000**	$E = 2K_{10}D_P(D_U/2+d_S)+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**3.03**	**4.4079**
1.43	**5.44**	**12.5000**
2.43	**2.43**	**0.0000**
2.43	**3.03**	**1.7133**
2.43	**5.44**	**12.5000**

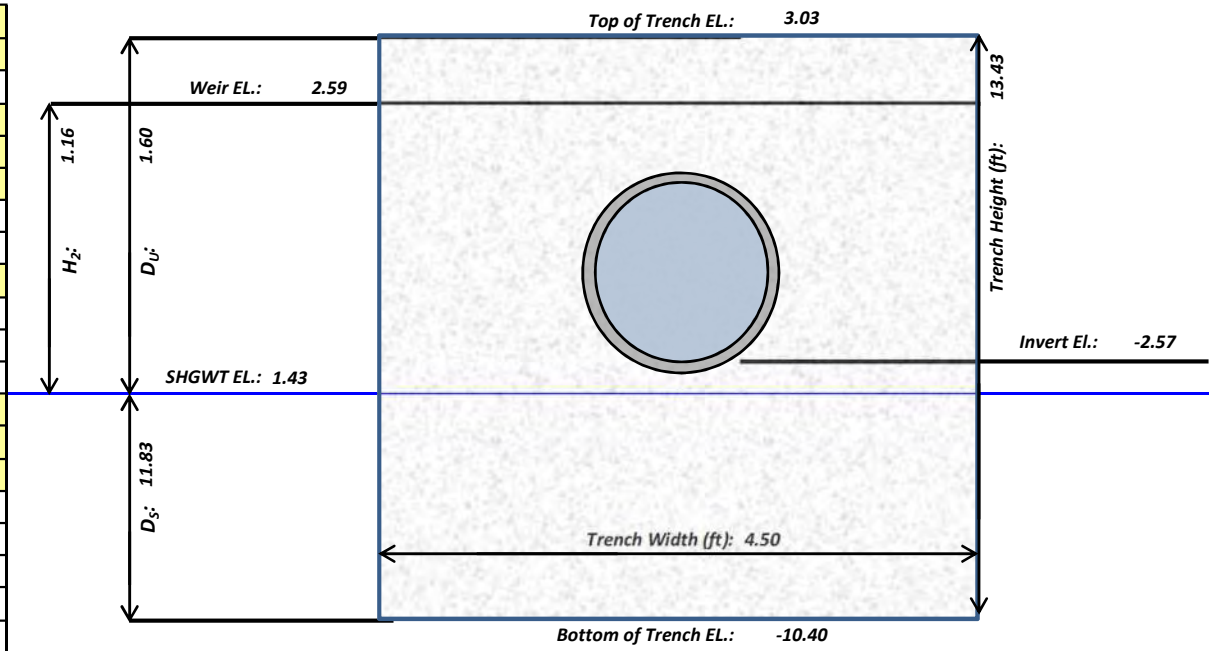
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 20

French Drain (ICPR Link Name):	EX20S16_20GW16
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	30
Effective Length of French Drain, L (LF):	119.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	59.50
Pipe Thickness (in):	3.50
Pipe Invert EL. (ft-NAVD):	-2.57
Top of Trench EL. (ft-NAVD):	3.03
Bottom of Trench EL. (ft-NAVD):	-10.40
Trench Height, H_T (ft):	13.43
Weir EL. (ft-NAVD):	2.59
Trench Width, W (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.16
Non-Saturated Trench Depth, D_U (ft):	1.60
Saturated Trench Depth, D_S (ft):	11.83
H_2W:	5.22
$2H_2D_U$:	3.71
D_U^2:	2.56
$2H_2D_S$:	27.45
$(1.39x10^{-4})WD_U$:	0.001001
d_2:	0.00
d_3:	1.90
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	1.61E-03
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	3.41E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	2.80
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**2.80**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 20

French Drain (ICPR Link Name): **EX20S16_20GW16**
Existing/Proposed: **Existing**
Pipe Size (in): **30**
Length of French Drain, *L* (LF) * : **59.50**
Trench Height, H_T (ft): **13.43**
Trench Width, *W* (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-2.57**
Top of Trench EL. (ft-NAVD): **3.03**
Bottom of Trench EL. (ft-NAVD): **-10.40**
Weir EL. (ft-NAVD): **2.59**
Upstream Structure Rim/Grate EL. (ft-NAVD): **5.29**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**3.03**	1.60	11.83	1.60	0.07053	**4.1963**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	1.60	11.83	4.01	0.10000	**11.9000**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**3.03**	0.60	12.83	0.60	0.02741	**1.6311**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.43	**5.44**	0.60	12.83	3.01	0.10000	**11.9000**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**3.03**	**4.1963**
1.43	**5.44**	**11.9000**
2.43	**2.43**	**0.0000**
2.43	**3.03**	**1.6311**
2.43	**5.44**	**11.9000**

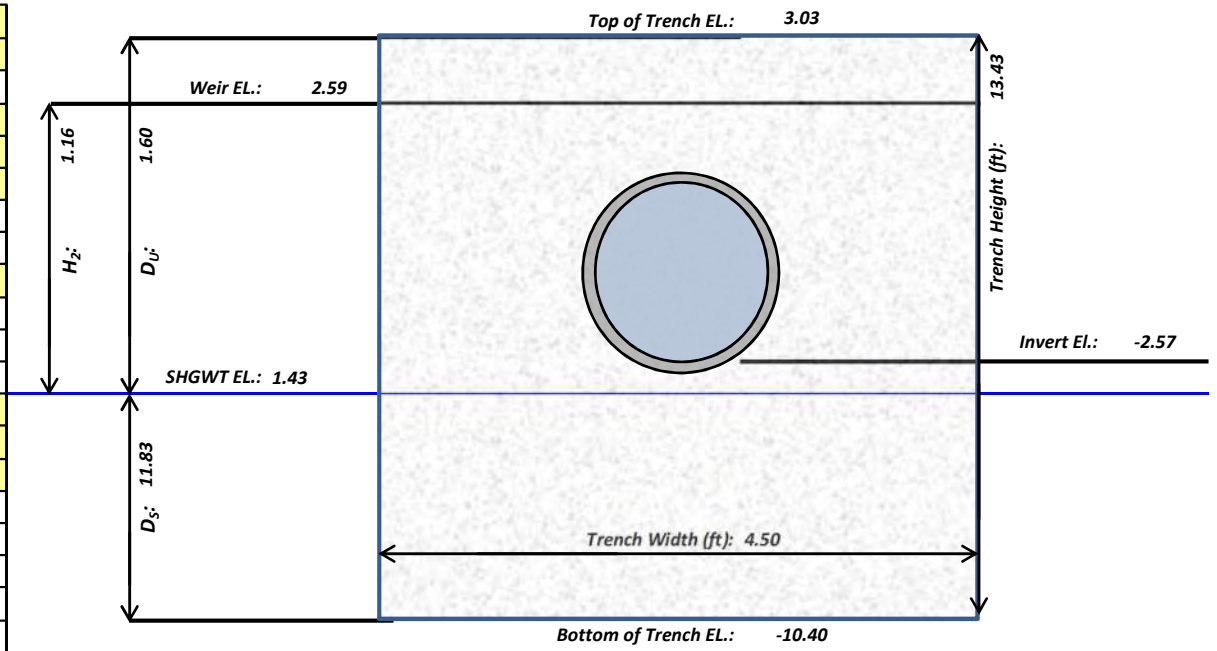
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 20

French Drain (ICPR Link Name):	EX20S17_20GW17
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	30
Effective Length of French Drain, L (LF):	107.5
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	53.75
Pipe Thickness (in):	3.50
Pipe Invert EL. (ft-NAVD):	-2.57
Top of Trench EL. (ft-NAVD):	3.03
Bottom of Trench EL. (ft-NAVD):	-10.40
Trench Height, H_T (ft):	13.43
Weir EL. (ft-NAVD):	2.59
Trench Width, W (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.16
Non-Saturated Trench Depth, D_U (ft):	1.60
Saturated Trench Depth, D_S (ft):	11.83
H_2W:	5.22
$2H_2D_U$:	3.71
D_U^2:	2.56
$2H_2D_S$:	27.45
$(1.39x10^{-4})WD_U$:	0.001001
d_2:	0.00
d_3:	1.90
K_{10} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	1.61E-03
K_{15} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	3.41E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	2.53
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**2.53**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 20

French Drain (ICPR Link Name): **EX20S17_20GW17**
Existing/Proposed: **Existing**
Pipe Size (in): **30**
Length of French Drain, *L* (LF) * : **53.75**
Trench Height, H_T (ft): **13.43**
Trench Width, *W* (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-2.57**
Top of Trench EL. (ft-NAVD): **3.03**
Bottom of Trench EL. (ft-NAVD): **-10.40**
Weir EL. (ft-NAVD): **2.59**
Upstream Structure Rim/Grate EL. (ft-NAVD): **6.00**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**3.03**	1.60	11.83	1.60	0.07053	**3.7908**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	1.60	11.83	4.01	0.10000	**10.7500**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**3.03**	0.60	12.83	0.60	0.02741	**1.4735**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.43	**5.44**	0.60	12.83	3.01	0.10000	**10.7500**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**3.03**	**3.7908**
1.43	**5.44**	**10.7500**
2.43	**2.43**	**0.0000**
2.43	**3.03**	**1.4735**
2.43	**5.44**	**10.7500**

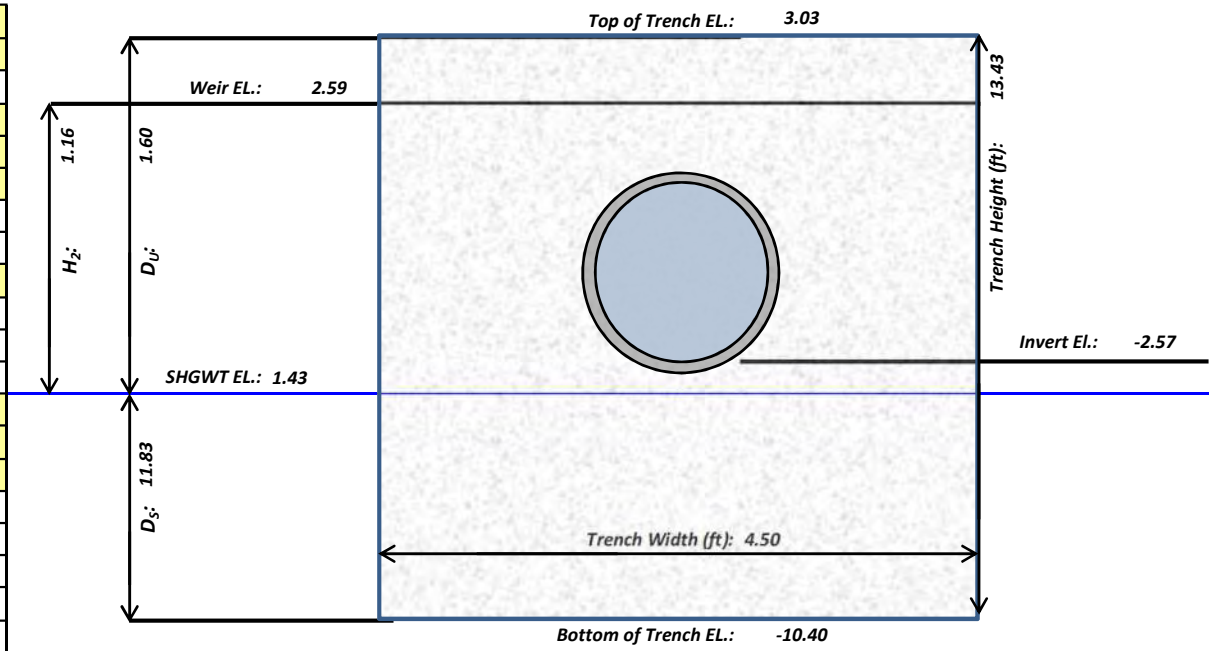
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 20

French Drain (ICPR Link Name):	EX20S18_20GW18
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	30
Effective Length of French Drain, L (LF):	47.5
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	23.75
Pipe Thickness (in):	3.50
Pipe Invert EL. (ft-NAVD):	-2.57
Top of Trench EL. (ft-NAVD):	3.03
Bottom of Trench EL. (ft-NAVD):	-10.40
Trench Height, H_T (ft):	13.43
Weir EL. (ft-NAVD):	2.59
Trench Width, W (ft):	4.50
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.16
Non-Saturated Trench Depth, D_U (ft):	1.60
Saturated Trench Depth, D_S (ft):	11.83
H_2W:	5.22
$2H_2D_U$:	3.71
D_U^2:	2.56
$2H_2D_S$:	27.45
$(1.39x10^{-4})WD_U$:	0.001001
d_2:	0.00
d_3:	1.90
K_{10} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	1.61E-03
K_{15} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	3.41E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	1.12
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**1.12**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 20

French Drain (ICPR Link Name): **EX20S18_20GW18**
Existing/Proposed: **Existing**
Pipe Size (in): **30**
Length of French Drain, *L* (LF) * : **23.75**
Trench Height, H_T (ft): **13.43**
Trench Width, *W* (ft): **4.50**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-2.57**
Top of Trench EL. (ft-NAVD): **3.03**
Bottom of Trench EL. (ft-NAVD): **-10.40**
Weir EL. (ft-NAVD): **2.59**
Upstream Structure Rim/Grate EL. (ft-NAVD): **6.58**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 1 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**3.03**	1.60	11.83	1.60	0.07053	**1.6750**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	1.60	11.83	4.01	0.10000	**4.7500**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**3.03**	0.60	12.83	0.60	0.02741	**0.6511**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Top of Trench EL.
2.43	**5.44**	0.60	12.83	3.01	0.10000	**4.7500**	$E = 2K_{10}D_P(D_U/2 + d_S) + 2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**3.03**	**1.6750**
1.43	**5.44**	**4.7500**
2.43	**2.43**	**0.0000**
2.43	**3.03**	**0.6511**
2.43	**5.44**	**4.7500**

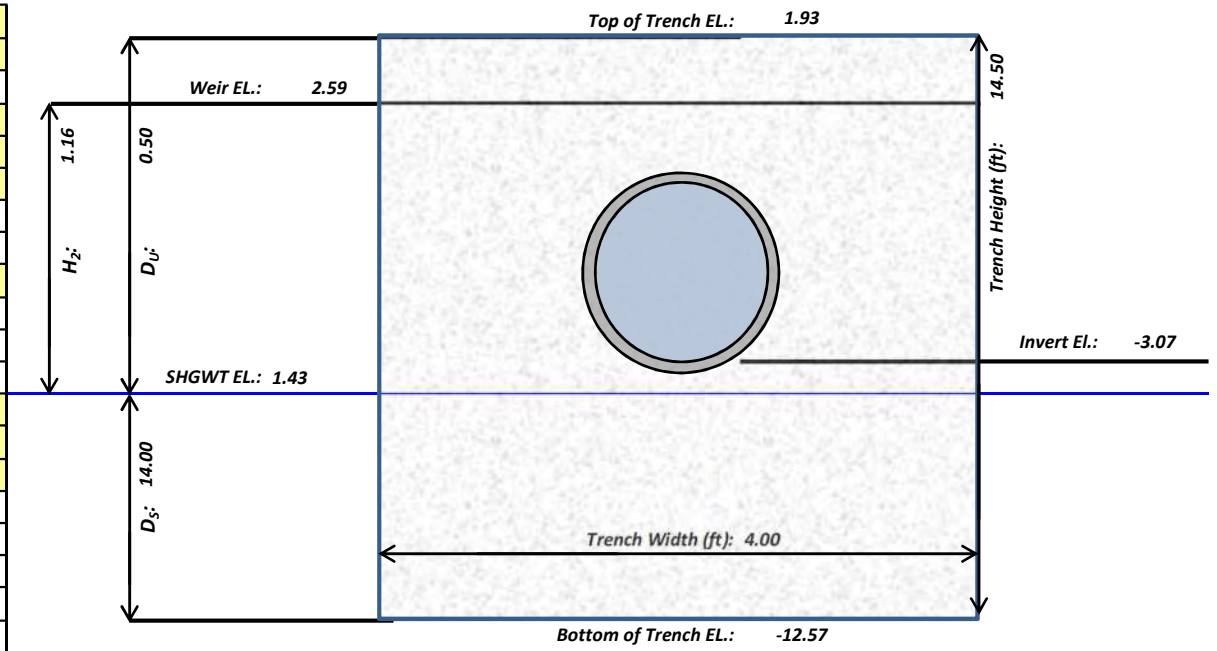
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 20

French Drain (ICPR Link Name):	EX20S22_20GW22
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	428.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	214.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	2.59
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.16
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	4.64
$2H_2D_U$:	1.16
D_U^2:	0.25
$2H_2D_S$:	32.48
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
K_{10} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	2.30E-04
K_{15} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	9.45E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	1.70
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**1.70**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 20

French Drain (ICPR Link Name): **EX20S22_20GW22**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **214.00**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **2.59**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.00800	**1.7125**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	0.50	14.00	4.01	0.06458	**13.8209**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.44**	-0.50	15.00	3.01	0.04846	**10.3712**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**1.7125**
1.43	**5.44**	**13.8209**
2.43	**2.43**	**0.0000**
2.43	**5.44**	**10.3712**

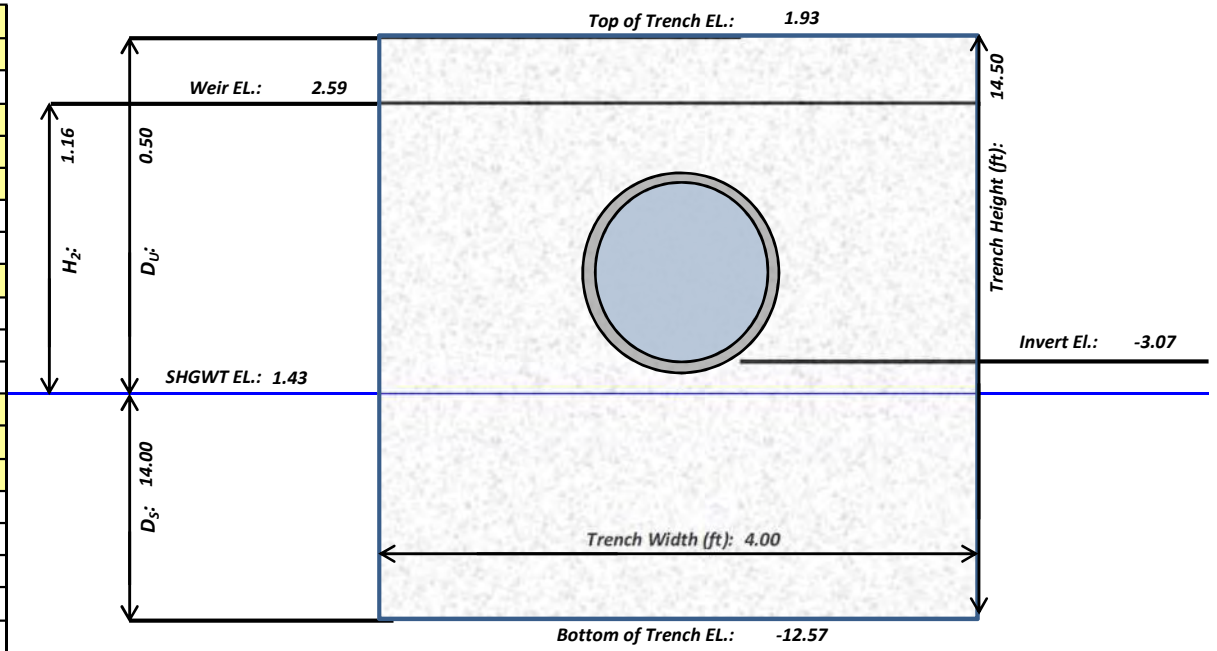
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 20

French Drain (ICPR Link Name):	EX20S25_20GW25
Existing/Proposed:	Existing
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	84.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	42.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	2.59
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.16
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	4.64
$2H_2D_U$:	1.16
D_U^2:	0.25
$2H_2D_S$:	32.48
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
K_{10} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	2.40E-05
K_{15} (OBTAINED FROM DRAINAGE REPORTS FOR FPID 249581-1-52-01):	1.60E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	0.05
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**0.05**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\,2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 20

French Drain (ICPR Link Name): **EX20S25_20GW25**
Existing/Proposed: **Existing**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **42.00**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **2.59**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.00114	**0.0480**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	0.50	14.00	4.01	0.00920	**0.3864**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.44**	-0.50	15.00	3.01	0.00690	**0.2900**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**0.0480**
1.43	**5.44**	**0.3864**
2.43	**2.43**	**0.0000**
2.43	**5.44**	**0.2900**

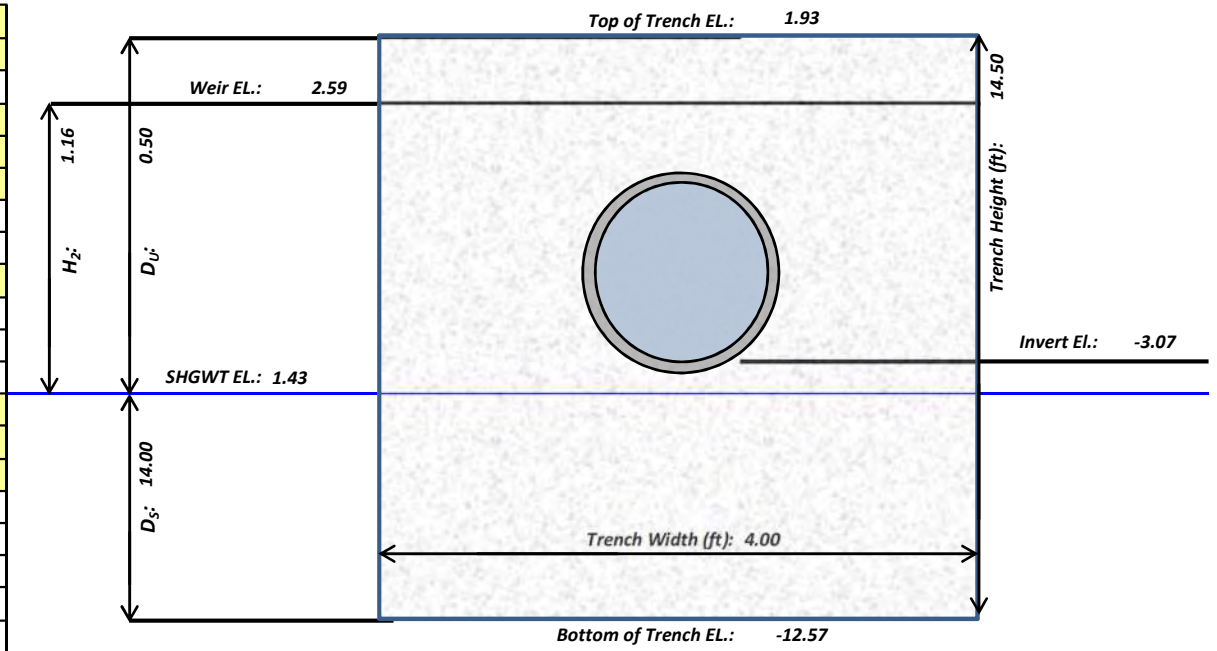
SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN DESIGN & TREATMENT VOLUMES

Drainage System: 20

French Drain (ICPR Link Name):	EX20S22_20GW22
Existing/Proposed:	ADDING 50' TO EXISTING
SHGWT EL. (ft-NAVD):	1.43
Pipe Size (in):	24
Effective Length of French Drain, L (LF):	478.0
Safety Factor (SF):	2.00
Effective Length of French Drain with Safety Factor, L (LF):	239.00
Pipe Thickness (in):	3.00
Pipe Invert EL. (ft-NAVD):	-3.07
Top of Trench EL. (ft-NAVD):	1.93
Bottom of Trench EL. (ft-NAVD):	-12.57
Trench Height, H_T (ft):	14.50
Weir EL. (ft-NAVD):	2.59
Trench Width, W (ft):	4.00
Average Hydraulic Conductivity, K_{avg} (cfs/ft^2/ft-head):	N/A*
Depth to Water Table, H_2 (ft):	1.16
Non-Saturated Trench Depth, D_U (ft):	0.50
Saturated Trench Depth, D_S (ft):	14.00
H_2W:	4.64
$2H_2D_U$:	1.16
D_U^2:	0.25
$2H_2D_S$:	32.48
$(1.39x10^{-4})WD_U$:	0.000278
d_2:	0.00
d_3:	4.07
$K_{10\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	2.30E-04
$K_{15\ (OBTAINED\ FROM\ DRAINAGE\ REPORTS\ FOR\ FPID\ 249581-1-52-01)}$:	9.45E-04
K_{20}:	0.00E+00
If $D_U > D_S$ and $W < 2H_T$, Treatment Provided, V (ac-in):	N/A*
If $D_S > D_U$ and/or $W > 2H_T$, Treatment Provided, V (ac-in):	1.90
$D_U > D_S$ and $W < 2H_T$ (Yes/No):	No
Treatment Volume Provided, V (Ac-ft):	**1.90**

*Note: FD not considered for water quality purposes



$$V = L[K_{avg}(H_2W + 2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

$$V = L[K_{avg}(2H_2D_U - D_U^{\ 2} + 2H_2D_S) + (1.39x10^{-4})WD_U]$$

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS

FRENCH DRAIN OPERATING TABLE/DISCHARGE CALCULATIONS

Exfiltration equations and operating table development procedures and stage-area assumptions shown below were taken from the ICPR Applications Manual developed by ADA Engineering Inc. in March 2007 for FDOT District 6.
(See Sheets 3-14 through 3-20)

Drainage System: 20

French Drain (ICPR Link Name): **EX20S22_20GW22**
Existing/Proposed: **ADDING 50' TO EXISTING**
Pipe Size (in): **24**
Length of French Drain, *L* (LF) * : **239.00**
Trench Height, H_T (ft): **14.50**
Trench Width, *W* (ft): **4.00**

Average Hydraulic Conductivity, K_{avg} (cfs/ft²/ft-head): **N/A***
Pipe Invert EL. (ft-NAVD): **-3.07**
Top of Trench EL. (ft-NAVD): **1.93**
Bottom of Trench EL. (ft-NAVD): **-12.57**
Weir EL. (ft-NAVD): **2.59**
Upstream Structure Rim/Grate EL. (ft-NAVD): **2.43**

SHGWT EL. (ft-NAVD): **1.43**
Max Stage (ft-NAVD): ***5.44***
Variable GW EL. required when modeling exfiltration during design storms exceeding 1hr in duration. Model GW as Time-Stage.

AYH EL. (ft-NAVD):**
Average Yearly Highest Ground Water Level **2.43**

** - Per FDOT District 6 AdICPR Applications Manual (Sect. 3.3)*
** - Per Miami-Dade Public Works Design Standard W.C. 2.1*

Operating Table per Condition 3 of ICPR Applications Manual

Max. Exfiltration Rate, (cfs/ft): **1.00E-01**

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	D_U (ft)	d_S (ft)	Head, D_P (ft)	Exfiltration, E (cfs/ft)	Discharge, Q (cfs)	Equations	Comments
1.43	**1.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = SHGWT EL. HW = SHGWT EL.
1.43	**1.93**	0.50	14.00	0.50	0.00800	**1.9126**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Top of Trench EL.
1.43	**5.44**	0.50	14.00	4.01	0.06458	**15.4355**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = SHGWT EL. HW = Max Stage
2.43	**2.43**	--	--	0.00	0.00000	**0.0000**	(No exfiltration)	TW = AYH EL. HW = AYH EL.
2.43	**5.44**	-0.50	15.00	3.01	0.04846	**11.5828**	$E = 2K_{10}[D_U(D_P-D_U/2)+dsDp]+2K_{15}D_P(5)$ $Q = E \times L$	TW = AYH EL. HW = Max Stage

Tailwater-Headwater-Discharge relationship input as Operating Table from French Drain Node to Groundwater Node. Rating Curve On/Off EL. = SHGWT EL.

Tailwater EL. (ft-NAVD)	Headwater EL. (ft-NAVD)	Discharge, Q (cfs)
1.43	**1.43**	**0.0000**
1.43	**1.93**	**1.9126**
1.43	**5.44**	**15.4355**
2.43	**2.43**	**0.0000**
2.43	**5.44**	**11.5828**

SR-826/PALMETTO EXPRESSWAY EXPRESS LANES PD&E STUDY DRAINAGE CALCULATIONS
DRAINAGE SYSTEM SUMMARY TABLES

Drainage System: ***20***

Summary of Peak Discharges

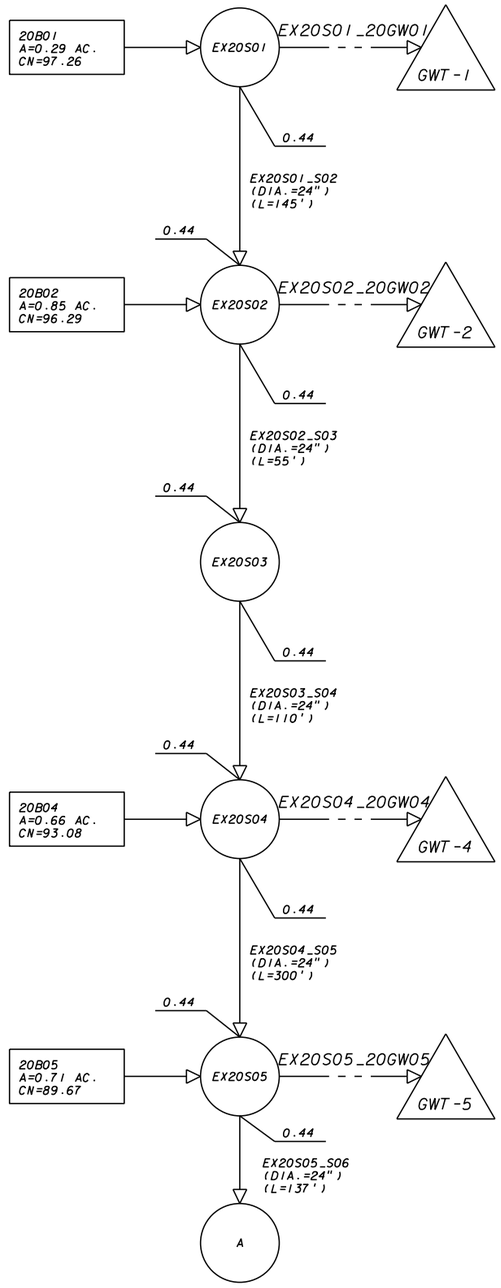
Receiving Waterbody:	VENETIAN CANAL							
PRE-DEVELOPMENT								
ICPR Link/Basin:	**Outfall Pipe / Weir Description:**	**Flow Area (ft^2)**	**10yr-24hr Peak Flow Rate (cfs)**	**10yr-24hr Peak Flow Velocity (fps)**	**25yr-72hr Peak Flow Rate (cfs)**	**25yr-72hr Peak Flow Velocity (fps)**	**100yr-24hr Peak Flow Rate (cfs)**	**100yr-24hr Peak Flow Velocity (fps)**
EX20S26_VEN	48" Pipe	12.57	5.06	0.40	30.75	2.45	8.16	0.65
PRE-DEVELOPMENT TOTALS:		--	--	--	**30.75**	--	--	--
POST-DEVELOPMENT								
ICPR Link/Basin:	**Outfall Pipe / Weir Description:**	**Flow Area (ft^2)**	**10yr-24hr Peak Flow Rate (cfs)**	**10yr-24hr Peak Flow Velocity (fps)**	**25yr-72hr Peak Flow Rate (cfs)**	**25yr-72hr Peak Flow Velocity (fps)**	**100yr-24hr Peak Flow Rate (cfs)**	**100yr-24hr Peak Flow Velocity (fps)**
EX20S26_VEN	48" Pipe	12.57	5.13	0.41	30.48	2.43	7.92	0.63
POST-DEVELOPMENT TOTALS:		--	--	--	**30.48**	--	--	--
Pre-Post 25yr-72hr Peak Discharge Reduction (cfs):				***0.27***				

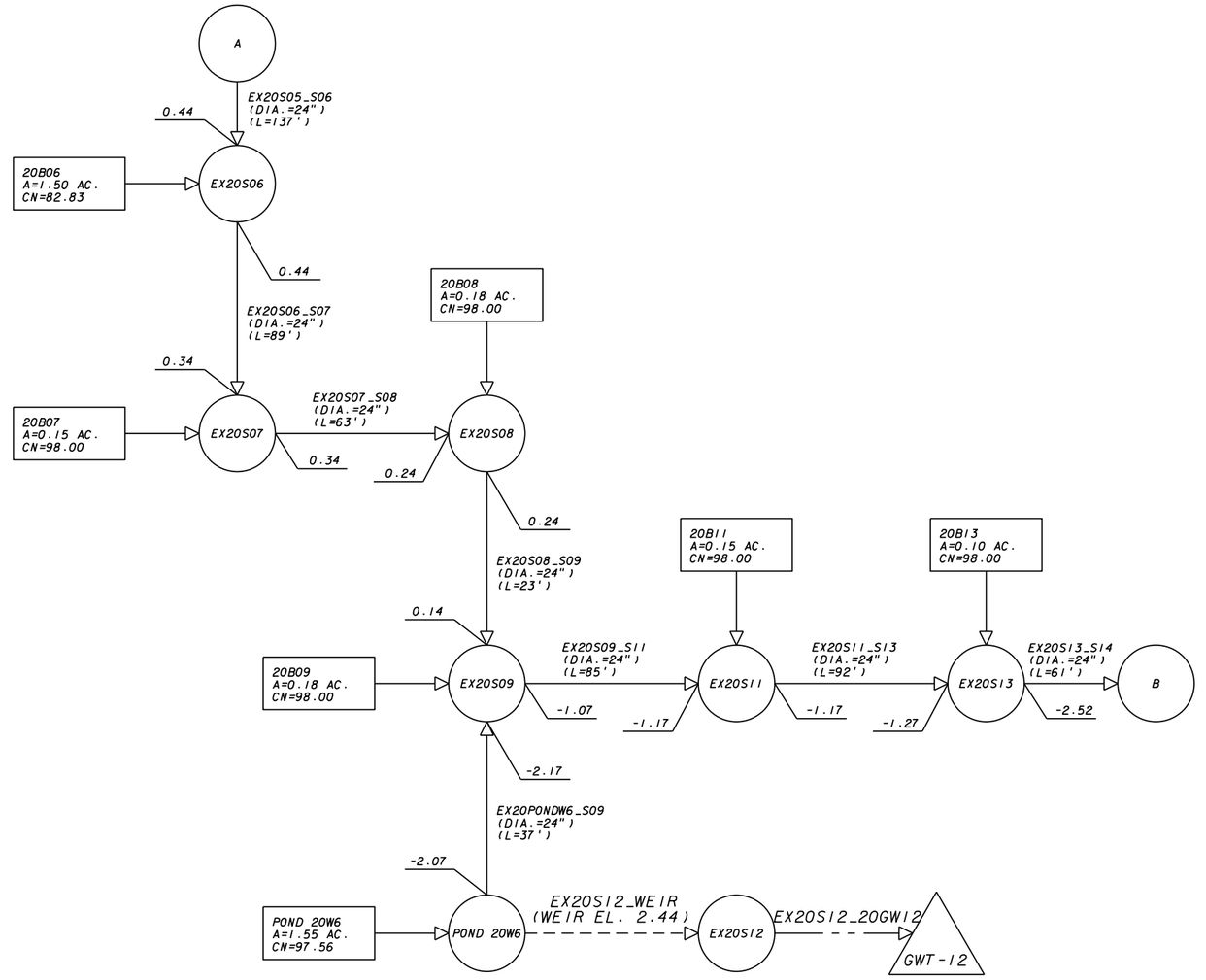
Summary of Peak Stages

Pond/ Swale/ FD #	Type: [Wet/Dry, Det./Ret., FD]	Disposition [Exist./ Prop./ Modified]	Warning EL. [Min. Berm/ Min. EOP] (ft-NAVD)	PRE-DEVELOPMENT			POST-DEVELOPMENT		
				Max 10yr-24hr Stage (ft-NAVD)	Max 25yr-72hr Stage (ft-NAVD)	Max 100yr-24hr Stage (ft-NAVD)	Max 10yr-24hr Stage (ft-NAVD)	Max 25yr-72hr Stage (ft-NAVD)	Max 100yr-24hr Stage (ft-NAVD)
POND 20W3	DRY RETENTION	Exist.	5.84	3.38	5.24	3.72	3.38	5.23	3.70
POND 20W4	DRY RETENTION	Exist.	5.48	3.19	5.13	3.62	3.17	5.11	3.60
POND 20W5	DRY RETENTION	Exist.	5.43	2.72	3.13	2.81	2.72	3.13	2.81
POND 20W6	DRY RETENTION	Exist.	4.87	2.74	4.21	3.04	2.74	4.21	3.03

Control Structure Summary Table - Proposed Conditions

Control Structure:	Disposition [Exist./ Prop./ Modified]	Weir Type/ Geometry	Weir EL. (ft-NAVD)	Bleeder Type/ Geometry	Bleeder Invert EL. (ft-NAVD)
EX20S26	Exist.	DBI/Horizontal Rectangular	2.59	N/A	N/A





LEGEND

20B05 A=0.08 AC. CN=80.13	CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER
EX20S04	NODE NAME
GWT-4	BOUNDARY NODE WITH VARIABLE TAILWATER
EX20S20_S22 (DIA.=24") (L=121') 2.44 2.44	PIPE LINK WITH SIZE-LENGTH INVERT ELEVATIONS
EX20S01_20GW	RATING CURVE LINK
EX20S01_WEIR (EL. 3.20)	WEIR LINK WITH WEIR ELEVATION

SYSTEM 20

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JUAN C. GARCIA, P.E.
P.E. No.: 46597
AECOM TECHNICAL SERVICES, INC.
7650 CORPORATE CENTER DRIVE, SUITE 400
MIAMI, FL 33126-1220
CERTIFICATE OF AUTHORIZATION: 8115

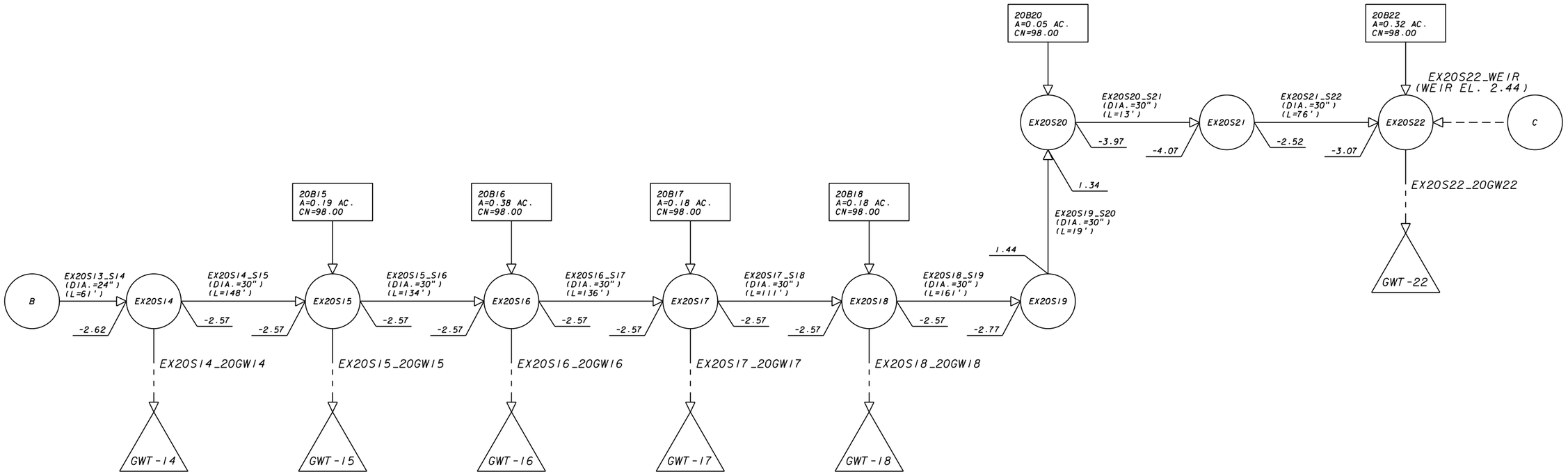
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR-9	MIAMI-DADE	428358-5-32-03

NODE-LINK DIAGRAM (1 OF 2)
(PRE-DEV. CONDITIONS)

SHEET NO.

$USERS $DATE$ $TIME$ $FILES



SYSTEM 20

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JUAN C. GARCIA, P.E.
P.E. No.: 46597
AECOM TECHNICAL SERVICES, INC.
7650 CORPORATE CENTER DRIVE, SUITE 400
MIAMI, FL 33126-1220
CERTIFICATE OF AUTHORIZATION: 8115

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR-9	MIAMI-DADE	428358-5-32-03

NODE-LINK DIAGRAM (2 OF 2)
(PRE-DEV. CONDITIONS)

SHEET NO.

$USER$ $DATE$ $TIME$ $FILE$

Manual Basin: 20B01

Scenario: System 20 - Pre Dev
Node: EX20S01
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.2900	20B01	20B01			

Comment:

Manual Basin: 20B02

Scenario: System 20 - Pre Dev
Node: EX20S02
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.8500	20B02	20B02			

Comment:

Manual Basin: 20B04

Scenario: System 20 - Pre Dev
Node: EX20S04
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.6600	20B04	20B04			

Comment:

Manual Basin: 20B05

Scenario: System 20 - Pre Dev
Node: EX20S05
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.7100	20B05	20B05			

Comment:

Manual Basin: 20B06

Scenario: System 20 - Pre Dev
Node: EX20S06
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
1.5000	20B06	20B06			

Comment:

Manual Basin: 20B07

Scenario: System 20 - Pre Dev
Node: EX20S07
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs

Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.1500	20B07	20B07			

Comment:

Manual Basin: 20B08

Scenario: System 20 - Pre Dev
Node: EX20S08
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.1800	20B08	20B08			

Comment:

Manual Basin: 20B09

Scenario: System 20 - Pre Dev
Node: EX20S09
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.1800	20B09	20B09			

Comment:

Manual Basin: 20B11

Scenario: System 20 - Pre Dev
Node: EX20S11
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.1500	20B11	20B11			

Comment:

Manual Basin: 20B13

Scenario: System 20 - Pre Dev
Node: EX20S13
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.1000	20B13	20B13			

Comment:

Manual Basin: 20B15

Scenario: System 20 - Pre Dev
Node: EX20S15
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.1900	20B15	20B15			

Comment:

Manual Basin: 20B16

Scenario: System 20 - Pre Dev
Node: EX20S16
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.3800	20B16	20B16			

Comment:

Manual Basin: 20B17

Scenario: System 20 - Pre Dev
Node: EX20S17
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.1800	20B17	20B17			

Comment:

Manual Basin: 20B18

Scenario: System 20 - Pre Dev
Node: EX20S18
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr

Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.1800	20B18	20B18			

Comment:

Manual Basin: 20B20

Scenario: System 20 - Pre Dev
Node: EX20S20
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.0500	20B20	20B20			

Comment:

Manual Basin: 20B22

Scenario: System 20 - Pre Dev
Node: EX20S22
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.3200	20B22	20B22			

Comment:

Manual Basin: POND 20W3

Scenario: System 20 - Pre Dev

Node: POND 20W3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
16.3000	POND 20W3	POND 20W3			

Comment:

Manual Basin: POND 20W4

Scenario: System 20 - Pre Dev
Node: POND 20W4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
4.2000	POND 20W4	POND 20W4			

Comment:

Manual Basin: POND 20W5

Scenario: System 20 - Pre Dev
Node: POND 20W5
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
1.4600	POND 20W5	POND 20W5			

Comment:

Manual Basin: POND 20W6

Scenario: System 20 - Pre Dev
Node: POND 20W6
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
1.5500	POND 20W6	POND 20W6			

Comment:

Node: EX20S01

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.66 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.57	0.0015	65
3.43	0.0015	65
3.44	0.0005	22
5.66	0.0005	22

Comment:

Node: EX20S02

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.15 ft

Stage [ft]	Area [ac]	Area [ft2]
0.43	0.0024	105
3.43	0.0024	105
3.44	0.0005	22
5.15	0.0005	22

Comment:

Node: EX20S03

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.28 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.57	0.0003	13
5.28	0.0003	13

Comment:

Node: EX20S04

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.80 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.57	0.0054	235
3.43	0.0054	235
3.44	0.0005	22
5.80	0.0005	22

Comment:

Node: EX20S05

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.57 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.57	0.0060	261
3.43	0.0060	261
3.44	0.0005	22
6.57	0.0005	22

Comment:

Node: EX20S06

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.34 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.57	0.0006	26
6.34	0.0006	26

Comment:

Node: EX20S07

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.81 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.67	0.0003	13
5.81	0.0003	13
5.82	0.0030	131

Comment:

Node: EX20S08

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.38 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.77	0.0003	13
5.38	0.0003	13
5.39	0.0030	131

Comment:

Node: EX20S09

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.83 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.17	0.0003	13
4.83	0.0003	13
4.84	0.0030	131

Comment:

Node: EX20S11

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.09 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.17	0.0003	13
5.09	0.0003	13
5.10	0.0030	131

Comment:

Node: EX20S12

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.87 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0019	83
1.93	0.0019	83
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX20S13

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.57 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.52	0.0003	13
5.57	0.0003	13
5.58	0.0030	131

Comment:

Node: EX20S14

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.05 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0017	74
3.03	0.0017	74
3.04	0.0003	13
6.05	0.0003	13

Comment:

Node: EX20S15

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.71 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0032	139
3.03	0.0032	139
3.04	0.0005	22
5.71	0.0005	22

Comment:

Node: EX20S16

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.29 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0031	135
3.03	0.0031	135
3.04	0.0005	22
5.29	0.0005	22

Comment:

Node: EX20S17

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0028	122
3.03	0.0028	122
3.04	0.0005	22
6.00	0.0005	22

Comment:

Node: EX20S18

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.58 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0012	52
3.03	0.0012	52
3.04	0.0005	22
6.58	0.0005	22

Comment:

Node: EX20S19

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 7.16 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.77	0.0005	22
7.16	0.0005	22

Comment:

Node: EX20S20

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.90 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.97	0.0003	13
6.90	0.0003	13
6.91	0.0030	131

Comment:

Node: EX20S21

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.49 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.07	0.0003	13
6.49	0.0003	13

Comment:

Node: EX20S22

Scenario: System 20 - Pre Dev

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.48 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0098	427
1.93	0.0098	427
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX20S25

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.84 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0019	83
1.93	0.0019	83
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX20S26

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0005	22
2.58	0.0005	22
2.59	0.0050	218

Comment:

Node: GWT-1

Scenario: System 20 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-12

Scenario: System 20 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-12

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-14

Scenario: System 20 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-14

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-15

Scenario: System 20 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-15

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-16

Scenario: System 20 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-16

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43

Year	Month	Day	Hour	Stage [ft]
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-17

Scenario: System 20 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-17

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-18

Scenario: System 20 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-18

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-2

Scenario: System 20 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-22

Scenario: System 20 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-22

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-25

Scenario: System 20 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-25

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-4

Scenario: System 20 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-4

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-5

Scenario: System 20 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-5

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43

Year	Month	Day	Hour	Stage [ft]
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: POND 20W3

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.84 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.5800	25265
2.58	0.5900	25700
3.43	0.6300	27443
4.43	0.6800	29621

Comment:

Node: POND 20W4

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.48 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	1.3700	59677
2.58	1.3800	60113
3.43	1.4600	63598
4.43	1.5500	67518

Comment:

Node: POND 20W5

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.2000	8712
2.58	0.2100	9148
3.43	0.2700	11761
4.43	0.3400	14810

Comment:

Node: POND 20W6

Scenario: System 20 - Pre Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 4.87 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.5100	22216
2.58	0.5200	22651
3.43	0.5600	24394
4.43	0.6100	26572

Comment:

Node: VEN

Scenario: System 20 - Pre Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: VEN

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Pipe Link: EX20PONDW3_PONDW4		Upstream		Downstream	
Scenario:	System 20 - Pre Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 20W3	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
To Node:	POND 20W4	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Link Count:	3	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	84.00 ft	Ref Node:		Ref Node:	
FHWA Code:	30	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX20PONDW4_PONDW5		Upstream		Downstream	
Scenario:	System 20 - Pre Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 20W4	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
To Node:	POND 20W5	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	124.00 ft	Ref Node:		Ref Node:	
FHWA Code:	30	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX20PONDW6_S09		Upstream		Downstream	
Scenario:	System 20 - Pre Dev	Invert:	-2.07 ft	Invert:	-2.17 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 20W6	Geometry: Circular		Geometry: Circular	
To Node:	EX20S09	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	37.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			

Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX20S01_20GW01

Scenario: System 20 - Pre Dev
From Node: EX20S01
To Node: GWT-1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX20S01	1.43	EX20S01	1.43	EX20S01

Comment:

Pipe Link: EX20S01_S02

		Upstream		Downstream	
Scenario:	System 20 - Pre Dev	Invert:	0.44 ft	Invert:	0.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S01	Geometry: Circular		Geometry: Circular	
To Node:	EX20S02	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	145.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX20S02_20GW02

Scenario: System 20 - Pre Dev
From Node: EX20S02
To Node: GWT-2
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX20S02	1.43	EX20S02	1.43	EX20S02

Comment:

Pipe Link: EX20S02_S03		Upstream		Downstream	
Scenario:	System 20 - Pre Dev	Invert:	0.44 ft	Invert:	0.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S02	Geometry: Circular		Geometry: Circular	
To Node:	EX20S03	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	55.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX20S03_S04		Upstream		Downstream	
Scenario:	System 20 - Pre Dev	Invert:	0.44 ft	Invert:	0.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S03	Geometry: Circular		Geometry: Circular	
To Node:	EX20S04	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	110.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX20S04_20GW04	
Scenario:	System 20 - Pre Dev
From Node:	EX20S04
To Node:	GWT-4
Link Count:	1

Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX20S04	1.43	EX20S04	1.43	EX20S04

Comment:

Pipe Link: EX20S04_S05		Upstream		Downstream	
Scenario:	System 20 - Pre Dev	Invert:	0.44 ft	Invert:	0.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S04	Geometry: Circular		Geometry: Circular	
To Node:	EX20S05	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	300.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX20S05_20GW05

Scenario: System 20 - Pre Dev
From Node: EX20S05
To Node: GWT-5
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX20S05	1.43	EX20S05	1.43	EX20S05

Comment:

Pipe Link: EX20S05_S06		Upstream		Downstream	
Scenario:	System 20 - Pre Dev	Invert:	0.44 ft	Invert:	0.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S05	Geometry: Circular		Geometry: Circular	
To Node:	EX20S06	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	

Length:	137.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX20S06_S07		Upstream		Downstream	
Scenario:	System 20 - Pre Dev	Invert:	0.44 ft	Invert:	0.34 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S06	Geometry: Circular		Geometry: Circular	
To Node:	EX20S07	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	89.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX20S07_S08		Upstream		Downstream	
Scenario:	System 20 - Pre Dev	Invert:	0.34 ft	Invert:	0.24 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S07	Geometry: Circular		Geometry: Circular	
To Node:	EX20S08	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	63.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX20S08_S09		Upstream		Downstream	
Scenario:	System 20 - Pre	Invert:	0.24 ft	Invert:	0.14 ft
	Dev	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S08	Geometry: Circular		Geometry: Circular	
To Node:	EX20S09	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	23.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX20S09_S11		Upstream		Downstream	
Scenario:	System 20 - Pre	Invert:	-1.07 ft	Invert:	-1.17 ft
	Dev	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S09	Geometry: Circular		Geometry: Circular	
To Node:	EX20S11	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	85.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX20S11_S13		Upstream		Downstream	
Scenario:	System 20 - Pre	Invert:	-1.17 ft	Invert:	-1.27 ft
	Dev	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S11	Geometry: Circular		Geometry: Circular	
To Node:	EX20S13	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	92.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			

Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX20S12_20GW12

Scenario: System 20 - Pre Dev
From Node: EX20S12
To Node: GWT-12
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX20S12	1.43	EX20S12	1.43	EX20S12

Comment:

Weir Link: EX20S12_WEIR

Scenario: System 20 - Pre Dev
From Node: POND 20W6
To Node: EX20S12
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 2.44 ft
Control Elevation: 2.44 ft
Max Depth: 5.33 ft
Max Width: 4.83 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: EX20S13_S14

Scenario: System 20 - Pre Dev
From Node: EX20S13
To Node: EX20S14
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 61.00 ft

Upstream
Invert: -2.52 ft
Manning's N: 0.0120

Geometry: Circular
Max Depth: 2.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Downstream
Invert: -2.62 ft
Manning's N: 0.0120

Geometry: Circular
Max Depth: 2.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Rating Curve Link: EX20S14_20GW14

Scenario: System 20 - Pre Dev
From Node: EX20S14
To Node: GWT-14
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX20S14	1.43	EX20S14	1.43	EX20S14

Comment:

Pipe Link: EX20S14_S15		Upstream		Downstream	
Scenario:	System 20 - Pre Dev	Invert:	-2.57 ft	Invert:	-2.57 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S14	Geometry: Circular		Geometry: Circular	
To Node:	EX20S15	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	148.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Rating Curve Link: EX20S15_20GW15

Scenario: System 20 - Pre Dev
From Node: EX20S15
To Node: GWT-15
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX20S15	1.43	EX20S15	1.43	EX20S15

Comment:

Pipe Link: EX20S15_S16		Upstream		Downstream	
Scenario:	System 20 - Pre Dev	Invert:	-2.57 ft	Invert:	-2.57 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S15	Geometry: Circular		Geometry: Circular	
To Node:	EX20S16	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	134.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX20S16_20GW16

Scenario: System 20 - Pre Dev
From Node: EX20S16
To Node: GWT-16
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX20S16	1.43	EX20S16	1.43	EX20S16

Comment:

Pipe Link: EX20S16_S17		Upstream		Downstream	
Scenario:	System 20 - Pre Dev	Invert:	-2.57 ft	Invert:	-2.57 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S16	Geometry: Circular		Geometry: Circular	
To Node:	EX20S17	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	136.00 ft	Ref Node:		Ref Node:	

FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Rating Curve Link: EX20S17_20GW17

Scenario: System 20 - Pre Dev
From Node: EX20S17
To Node: GWT-17
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX20S17	1.43	EX20S17	1.43	EX20S17

Comment:

Pipe Link: EX20S17_S18		Upstream		Downstream	
Scenario:	System 20 - Pre Dev	Invert:	-2.57 ft	Invert:	-2.57 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S17	Geometry: Circular		Geometry: Circular	
To Node:	EX20S18	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	111.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Rating Curve Link: EX20S18_20GW18

Scenario: System 20 - Pre Dev
From Node: EX20S18
To Node: GWT-18
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX20S18	1.43	EX20S18	1.43	EX20S18

Comment:

Pipe Link: EX20S18_S19		Upstream		Downstream	
Scenario:	System 20 - Pre Dev	Invert:	-2.57 ft	Invert:	-2.77 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S18	Geometry: Circular		Geometry: Circular	
To Node:	EX20S19	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	161.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX20S19_S20		Upstream		Downstream	
Scenario:	System 20 - Pre Dev	Invert:	1.44 ft	Invert:	1.34 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S19	Geometry: Circular		Geometry: Circular	
To Node:	EX20S20	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	19.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX20S20_S21		Upstream		Downstream	
Scenario:	System 20 - Pre Dev	Invert:	-3.97 ft	Invert:	-4.07 ft
		Manning's N:	0.0120	Manning's N:	0.0120

From Node:	EX20S20	Geometry: Circular		Geometry: Circular	
To Node:	EX20S21	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	13.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX20S21_S22		Upstream		Downstream	
Scenario:	System 20 - Pre Dev	Invert:	-2.52 ft	Invert:	-3.07 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S21	Geometry: Circular		Geometry: Circular	
To Node:	EX20S22	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	76.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX20S22_20GW22

Scenario:	System 20 - Pre Dev
From Node:	EX20S22
To Node:	GWT-22
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX20S22	1.43	EX20S22	1.43	EX20S22

Comment:

Weir Link: EX20S22_WEIR

Scenario:	System 20 - Pre Dev
From Node:	POND 20W4
To Node:	EX20S22
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.44 ft
Control Elevation:	2.44 ft
Max Depth:	5.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Rating Curve Link: EX20S25_20GW25

Scenario:	System 20 - Pre Dev
From Node:	EX20S25
To Node:	GWT-25
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX20S25	1.43	EX20S25	1.43	EX20S25

Comment:

Weir Link: EX20S25_WEIR

Scenario:	System 20 - Pre Dev
From Node:	POND 20W3
To Node:	EX20S25
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.44 ft
Control Elevation:	2.44 ft
Max Depth:	5.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: EX20S26_VEN		Upstream		Downstream	
Scenario:	System 20 - Pre Dev	Invert:	-4.57 ft	Invert:	-5.57 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S26	Geometry: Circular		Geometry: Circular	
To Node:	VEN	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	92.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: EX20S26_WEIR			
Scenario:	System 20 - Pre Dev	Bottom Clip	
From Node:	POND 20W5	Default:	0.00 ft
To Node:	EX20S26	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.59 ft	Discharge Coefficients	
Control Elevation:	2.59 ft	Weir Default:	3.200
Max Depth:	8.67 ft	Weir Table:	
Max Width:	3.33 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Simulation: 100Y-1H	
Scenario:	System 20 - Pre Dev
Run Date/Time:	7/23/2019 1:35:41 PM
Program Version:	ICPR4 4.03.02.00

General				
Run Mode:	Normal			
	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	3.0000	1.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	25.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 1-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 20 - Pre Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 20 - Pre Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight 0.5 dec

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False

Fact:			
dZ Tolerance:	0.0010 ft	Manual Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	5.10 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100Y-24H

Scenario: System 20 - Pre Dev
Run Date/Time: 7/23/2019 1:36:46 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	26.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	48.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 24-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 20 - Pre Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 20 - Pre Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 13.44 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 100Y-8H

Scenario: System 20 - Pre Dev
Run Date/Time: 7/23/2019 1:39:05 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	10.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	32.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:

Lookup Tables

Boundary Stage Set: 8-Hour
Extern Hydrograph Set:

Unit Hydrograph Folder:		Curve Number Set:	Basin 20 - Pre Dev
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	Basin 20 - Pre Dev
		Roughness Set:	
		Crop Coef Set:	
		Fillable Porosity Set:	
		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Manual Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	9.60 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-1H

Scenario:	System 20 - Pre Dev
Run Date/Time:	7/23/2019 1:39:55 PM
Program Version:	ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	3.0000	1.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	25.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 1-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 20 - Pre Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 20 - Pre Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 3.55 in

Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-24H

Scenario: System 20 - Pre Dev
Run Date/Time: 7/23/2019 1:40:57 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	26.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	48.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 24-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 20 - Pre Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 20 - Pre Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 8.88 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 10Y-8H

Scenario: System 20 - Pre Dev
Run Date/Time: 7/23/2019 1:43:14 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	10.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	32.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 8-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 20 - Pre Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 20 - Pre Dev

Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Manual Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	6.80 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25Y-72H

Scenario:	System 20 - Pre Dev
Run Date/Time:	7/23/2019 1:44:03 PM
Program Version:	ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	48.0000	15.0000
0	0	0	56.0000	5.0000
0	0	0	64.0000	1.0000
0	0	0	72.0000	5.0000
0	0	0	74.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	48.0000	15.0000
0	0	0	56.0000	5.0000
0	0	0	64.0000	1.0000
0	0	0	72.0000	5.0000
0	0	0	96.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 72-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 20 - Pre Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 20 - Pre Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global

Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	14.50 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Node Max Conditions [System 20 - Pre Dev]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX20S01	100Y-1H	5.66	3.92	0.0010	2.25	2.22	210
EX20S02	100Y-1H	5.15	3.92	0.0010	6.92	6.84	305
EX20S03	100Y-1H	5.28	3.89	0.0010	4.07	3.96	178
EX20S04	100Y-1H	5.80	3.86	0.0010	8.70	8.63	645
EX20S05	100Y-1H	6.57	3.84	0.0010	9.57	9.69	698
EX20S06	100Y-1H	6.34	3.85	0.0010	8.64	8.54	252
EX20S07	100Y-1H	5.81	3.77	0.0012	9.72	9.62	164
EX20S08	100Y-1H	5.38	3.77	0.0037	11.03	10.94	100
EX20S09	100Y-1H	4.83	3.77	0.0217	25.23	13.58	100
EX20S11	100Y-1H	5.09	3.76	0.0039	7.33	5.34	100
EX20S12	100Y-1H	4.87	3.80	0.0015	1.55	0.09	261
EX20S13	100Y-1H	5.57	3.74	0.0016	5.73	5.51	100
EX20S14	100Y-1H	6.05	3.71	0.0011	5.51	5.30	100
EX20S15	100Y-1H	5.71	3.71	0.0011	6.54	7.15	146
EX20S16	100Y-1H	5.29	3.74	0.0010	11.53	11.54	142
EX20S17	100Y-1H	6.00	3.85	0.0012	16.29	16.31	128
EX20S18	100Y-1H	6.58	4.07	0.0015	18.65	18.67	100
EX20S19	100Y-1H	7.16	4.45	0.0010	18.36	18.39	100
EX20S20	100Y-1H	6.90	4.61	0.0011	18.34	18.36	100
EX20S21	100Y-1H	6.49	4.75	0.0016	18.25	18.27	100
EX20S22	100Y-1H	5.48	5.00	0.0010	30.35	30.39	429
EX20S25	100Y-1H	5.84	5.48	0.0012	1.34	0.39	261
EX20S26	100Y-1H	5.43	1.60	0.0011	29.88	29.88	100
GWT-1	100Y-1H	99.00	1.43	0.0000	1.81	0.00	0
GWT-12	100Y-1H	99.00	1.43	0.0000	0.09	0.00	0
GWT-14	100Y-1H	99.00	1.43	0.0000	3.32	0.00	0
GWT-15	100Y-1H	99.00	1.43	0.0000	6.28	0.00	0
GWT-16	100Y-1H	99.00	1.43	0.0000	6.06	0.00	0
GWT-17	100Y-1H	99.00	1.43	0.0000	5.74	0.00	0
GWT-18	100Y-1H	99.00	1.43	0.0000	2.77	0.00	0
GWT-2	100Y-1H	99.00	1.43	0.0000	2.90	0.00	0
GWT-22	100Y-1H	99.00	1.43	0.0000	12.29	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
GWT-25	100Y-1H	99.00	1.43	0.0000	0.39	0.00	0
GWT-4	100Y-1H	99.00	1.43	0.0000	6.45	0.00	0
GWT-5	100Y-1H	99.00	1.43	0.0000	7.14	0.00	0
POND 20W3	100Y-1H	5.84	5.49	0.0010	127.94	112.13	30045
POND 20W4	100Y-1H	5.48	5.05	0.0010	138.28	55.36	68113
POND 20W5	100Y-1H	5.43	3.12	0.0002	30.02	29.88	11030
POND 20W6	100Y-1H	4.87	3.80	0.0251	22.30	25.23	25193
VEN	100Y-1H	99.00	1.43	0.0000	29.88	0.05	0
EX20S01	100Y-24H	5.66	2.92	0.0007	1.15	0.69	210
EX20S02	100Y-24H	5.15	2.92	0.0009	2.19	1.91	305
EX20S03	100Y-24H	5.28	2.92	0.0010	1.12	1.35	178
EX20S04	100Y-24H	5.80	2.92	0.0004	2.97	3.52	645
EX20S05	100Y-24H	6.57	2.95	0.0002	5.08	5.09	698
EX20S06	100Y-24H	6.34	3.00	0.0008	4.35	4.35	252
EX20S07	100Y-24H	5.81	3.02	0.0012	3.79	2.93	164
EX20S08	100Y-24H	5.38	3.03	0.0037	6.26	3.79	100
EX20S09	100Y-24H	4.83	3.04	0.0217	25.23	13.58	100
EX20S11	100Y-24H	5.09	3.04	0.0039	7.33	4.91	100
EX20S12	100Y-24H	4.87	3.04	0.0010	0.25	0.04	261
EX20S13	100Y-24H	5.57	3.04	0.0016	4.91	3.97	100
EX20S14	100Y-24H	6.05	3.04	0.0013	3.97	3.39	100
EX20S15	100Y-24H	5.71	3.05	0.0010	4.93	5.33	146
EX20S16	100Y-24H	5.29	3.07	0.0010	7.53	7.60	142
EX20S17	100Y-24H	6.00	3.12	0.0010	9.85	9.85	128
EX20S18	100Y-24H	6.58	3.21	0.0013	10.96	10.96	100
EX20S19	100Y-24H	7.16	3.35	0.0010	10.77	10.76	100
EX20S20	100Y-24H	6.90	3.44	0.0012	10.78	10.77	100
EX20S21	100Y-24H	6.49	3.49	0.0019	10.71	10.72	100
EX20S22	100Y-24H	5.48	3.58	0.0009	16.18	16.18	429
EX20S25	100Y-24H	5.84	3.72	0.0010	0.30	0.17	261
EX20S26	100Y-24H	5.43	2.43	0.0013	8.14	8.16	100
GWT-1	100Y-24H	99.00	2.43	0.0001	0.69	0.00	0
GWT-12	100Y-24H	99.00	2.43	0.0001	0.04	0.01	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
GWT-14	100Y-24H	99.00	2.43	0.0001	1.57	0.00	0
GWT-15	100Y-24H	99.00	2.43	0.0001	2.98	0.00	0
GWT-16	100Y-24H	99.00	2.43	0.0001	2.90	0.00	0
GWT-17	100Y-24H	99.00	2.43	0.0001	2.75	0.00	0
GWT-18	100Y-24H	99.00	2.43	0.0001	1.31	0.00	0
GWT-2	100Y-24H	99.00	2.43	0.0001	1.12	0.00	0
GWT-22	100Y-24H	99.00	2.43	0.0001	5.48	0.00	0
GWT-25	100Y-24H	99.00	2.43	0.0001	0.17	0.00	0
GWT-4	100Y-24H	99.00	2.43	0.0001	2.55	0.00	0
GWT-5	100Y-24H	99.00	2.43	0.0001	2.92	0.00	0
POND 20W3	100Y-24H	5.84	3.72	0.0001	22.05	20.58	28547
POND 20W4	100Y-24H	5.48	3.62	0.0001	26.06	22.34	65051
POND 20W5	100Y-24H	5.43	2.81	0.0000	8.16	8.14	10088
POND 20W6	100Y-24H	4.87	3.04	0.0251	2.10	25.23	23596
VEN	100Y-24H	99.00	2.43	0.0001	8.16	0.05	0
EX20S01	100Y-8H	5.66	3.99	0.0010	1.79	1.37	210
EX20S02	100Y-8H	5.15	3.99	0.0010	3.44	4.28	305
EX20S03	100Y-8H	5.28	3.99	0.0010	1.73	1.75	178
EX20S04	100Y-8H	5.80	3.99	0.0010	5.51	5.39	645
EX20S05	100Y-8H	6.57	4.01	0.0004	8.44	8.47	698
EX20S06	100Y-8H	6.34	4.10	0.0009	6.94	6.95	252
EX20S07	100Y-8H	5.81	4.10	0.0012	5.03	5.04	164
EX20S08	100Y-8H	5.38	4.11	0.0037	6.26	4.91	100
EX20S09	100Y-8H	4.83	4.11	0.0217	25.23	13.58	100
EX20S11	100Y-8H	5.09	4.10	0.0039	7.33	4.91	100
EX20S12	100Y-8H	4.87	4.13	0.0010	0.48	0.08	261
EX20S13	100Y-8H	5.57	4.08	0.0016	4.91	3.97	100
EX20S14	100Y-8H	6.05	4.07	0.0013	3.97	3.39	100
EX20S15	100Y-8H	5.71	4.06	0.0010	6.07	6.78	146
EX20S16	100Y-8H	5.29	4.09	0.0010	10.06	10.12	142
EX20S17	100Y-8H	6.00	4.17	0.0010	13.87	13.88	128
EX20S18	100Y-8H	6.58	4.34	0.0011	15.77	15.78	100
EX20S19	100Y-8H	7.16	4.62	0.0010	15.38	15.38	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX20S20	100Y-8H	6.90	4.73	0.0010	15.37	15.38	100
EX20S21	100Y-8H	6.49	4.84	0.0014	15.26	15.27	100
EX20S22	100Y-8H	5.48	5.02	0.0009	24.98	24.99	429
EX20S25	100Y-8H	5.84	5.17	0.0010	0.38	0.29	261
EX20S26	100Y-8H	5.43	2.43	0.0010	29.61	29.60	100
GWT-1	100Y-8H	99.00	2.43	0.0001	1.37	0.00	0
GWT-12	100Y-8H	99.00	2.43	0.0001	0.08	0.01	0
GWT-14	100Y-8H	99.00	2.43	0.0001	2.85	0.00	0
GWT-15	100Y-8H	99.00	2.43	0.0001	5.39	0.00	0
GWT-16	100Y-8H	99.00	2.43	0.0001	5.20	0.00	0
GWT-17	100Y-8H	99.00	2.43	0.0001	4.90	0.00	0
GWT-18	100Y-8H	99.00	2.43	0.0001	2.34	0.00	0
GWT-2	100Y-8H	99.00	2.43	0.0001	2.20	0.00	0
GWT-22	100Y-8H	99.00	2.43	0.0001	9.79	0.00	0
GWT-25	100Y-8H	99.00	2.43	0.0001	0.29	0.00	0
GWT-4	100Y-8H	99.00	2.43	0.0001	4.99	0.00	0
GWT-5	100Y-8H	99.00	2.43	0.0001	5.61	0.00	0
POND 20W3	100Y-8H	5.84	5.17	0.0004	66.16	54.60	30025
POND 20W4	100Y-8H	5.48	5.05	0.0004	71.22	50.02	68112
POND 20W5	100Y-8H	5.43	3.12	0.0001	29.65	29.61	11020
POND 20W6	100Y-8H	4.87	4.13	0.0251	10.67	25.23	25919
VEN	100Y-8H	99.00	2.43	0.0001	29.60	0.00	0
EX20S01	10Y-1H	5.66	3.12	0.0010	1.55	1.62	210
EX20S02	10Y-1H	5.15	3.12	0.0010	4.85	4.67	305
EX20S03	10Y-1H	5.28	3.11	0.0010	2.87	2.79	178
EX20S04	10Y-1H	5.80	3.10	0.0009	5.89	5.75	645
EX20S05	10Y-1H	6.57	3.10	0.0010	7.57	7.68	698
EX20S06	10Y-1H	6.34	3.17	0.0010	6.91	6.94	252
EX20S07	10Y-1H	5.81	3.18	0.0012	6.48	6.50	164
EX20S08	10Y-1H	5.38	3.19	0.0037	6.48	6.46	100
EX20S09	10Y-1H	4.83	3.19	0.0217	25.23	13.58	100
EX20S11	10Y-1H	5.09	3.19	0.0039	7.33	5.20	100
EX20S12	10Y-1H	4.87	3.20	0.0013	1.36	0.07	261

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX20S13	10Y-1H	5.57	3.18	0.0016	5.57	5.37	100
EX20S14	10Y-1H	6.05	3.18	0.0011	5.37	5.19	100
EX20S15	10Y-1H	5.71	3.18	0.0010	6.44	6.86	146
EX20S16	10Y-1H	5.29	3.21	0.0010	10.39	10.47	142
EX20S17	10Y-1H	6.00	3.30	0.0010	14.21	14.24	128
EX20S18	10Y-1H	6.58	3.48	0.0013	16.08	16.10	100
EX20S19	10Y-1H	7.16	3.77	0.0009	15.87	15.89	100
EX20S20	10Y-1H	6.90	3.90	0.0010	15.85	15.87	100
EX20S21	10Y-1H	6.49	4.01	0.0014	15.78	15.80	100
EX20S22	10Y-1H	5.48	4.19	0.0010	25.22	25.24	429
EX20S25	10Y-1H	5.84	4.79	0.0011	1.25	0.32	261
EX20S26	10Y-1H	5.43	1.48	0.0011	16.69	16.70	100
GWT-1	10Y-1H	99.00	1.43	0.0000	1.22	0.00	0
GWT-12	10Y-1H	99.00	1.43	0.0000	0.07	0.00	0
GWT-14	10Y-1H	99.00	1.43	0.0000	2.54	0.00	0
GWT-15	10Y-1H	99.00	1.43	0.0000	4.82	0.00	0
GWT-16	10Y-1H	99.00	1.43	0.0000	4.67	0.00	0
GWT-17	10Y-1H	99.00	1.43	0.0000	4.44	0.00	0
GWT-18	10Y-1H	99.00	1.43	0.0000	2.14	0.00	0
GWT-2	10Y-1H	99.00	1.43	0.0000	1.96	0.00	0
GWT-22	10Y-1H	99.00	1.43	0.0000	9.52	0.00	0
GWT-25	10Y-1H	99.00	1.43	0.0000	0.32	0.00	0
GWT-4	10Y-1H	99.00	1.43	0.0000	4.43	0.00	0
GWT-5	10Y-1H	99.00	1.43	0.0000	4.95	0.00	0
POND 20W3	10Y-1H	5.84	4.79	0.0009	87.93	71.69	30045
POND 20W4	10Y-1H	5.48	4.24	0.0010	86.86	39.03	67437
POND 20W5	10Y-1H	5.43	2.95	0.0002	16.84	16.69	10521
POND 20W6	10Y-1H	4.87	3.21	0.0251	14.07	25.23	23934
VEN	10Y-1H	99.00	1.43	0.0000	16.70	0.11	0
EX20S01	10Y-24H	5.66	2.68	0.0009	0.88	0.49	210
EX20S02	10Y-24H	5.15	2.68	0.0009	1.82	1.44	305
EX20S03	10Y-24H	5.28	2.69	0.0010	1.04	1.25	178
EX20S04	10Y-24H	5.80	2.69	0.0003	2.25	2.76	645

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX20S05	10Y-24H	6.57	2.70	0.0002	3.81	3.82	698
EX20S06	10Y-24H	6.34	2.72	0.0010	3.35	3.34	252
EX20S07	10Y-24H	5.81	2.73	0.0012	3.79	2.46	164
EX20S08	10Y-24H	5.38	2.74	0.0037	6.26	3.79	100
EX20S09	10Y-24H	4.83	2.74	0.0217	25.23	13.58	100
EX20S11	10Y-24H	5.09	2.75	0.0039	7.33	4.91	100
EX20S12	10Y-24H	4.87	2.74	0.0010	0.27	0.03	261
EX20S13	10Y-24H	5.57	2.75	0.0016	4.91	3.97	100
EX20S14	10Y-24H	6.05	2.75	0.0013	3.97	3.39	100
EX20S15	10Y-24H	5.71	2.76	0.0010	4.31	4.65	146
EX20S16	10Y-24H	5.29	2.78	0.0010	6.22	6.26	142
EX20S17	10Y-24H	6.00	2.81	0.0010	7.92	7.92	128
EX20S18	10Y-24H	6.58	2.87	0.0014	8.72	8.72	100
EX20S19	10Y-24H	7.16	2.96	0.0010	8.60	8.60	100
EX20S20	10Y-24H	6.90	3.05	0.0010	8.61	8.60	100
EX20S21	10Y-24H	6.49	3.09	0.0016	8.57	8.58	100
EX20S22	10Y-24H	5.48	3.14	0.0010	12.52	12.52	429
EX20S25	10Y-24H	5.84	3.38	0.0010	0.33	0.14	261
EX20S26	10Y-24H	5.43	2.43	0.0013	3.66	5.06	100
GWT-1	10Y-24H	99.00	2.43	0.0001	0.49	0.00	0
GWT-12	10Y-24H	99.00	2.43	0.0001	0.03	0.02	0
GWT-14	10Y-24H	99.00	2.43	0.0001	1.12	0.00	0
GWT-15	10Y-24H	99.00	2.43	0.0001	2.14	0.00	0
GWT-16	10Y-24H	99.00	2.43	0.0001	2.09	0.00	0
GWT-17	10Y-24H	99.00	2.43	0.0001	1.97	0.00	0
GWT-18	10Y-24H	99.00	2.43	0.0001	0.93	0.00	0
GWT-2	10Y-24H	99.00	2.43	0.0001	0.79	0.00	0
GWT-22	10Y-24H	99.00	2.43	0.0001	3.96	0.00	0
GWT-25	10Y-24H	99.00	2.43	0.0001	0.14	0.00	0
GWT-4	10Y-24H	99.00	2.43	0.0001	1.82	0.00	0
GWT-5	10Y-24H	99.00	2.43	0.0001	2.07	0.00	0
POND 20W3	10Y-24H	5.84	3.38	0.0001	14.55	14.42	27802
POND 20W4	10Y-24H	5.48	3.19	0.0001	18.02	14.91	63275

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND 20W5	10Y-24H	5.43	2.72	0.0000	3.68	3.66	9779
POND 20W6	10Y-24H	4.87	2.74	0.0251	1.82	25.23	22990
VEN	10Y-24H	99.00	2.43	0.0001	5.06	0.05	0
EX20S01	10Y-8H	5.66	3.49	0.0010	1.28	1.00	210
EX20S02	10Y-8H	5.15	3.49	0.0010	2.56	3.32	305
EX20S03	10Y-8H	5.28	3.49	0.0010	1.56	1.65	178
EX20S04	10Y-8H	5.80	3.49	0.0007	4.17	4.20	645
EX20S05	10Y-8H	6.57	3.50	0.0004	6.49	6.51	698
EX20S06	10Y-8H	6.34	3.57	0.0010	5.48	5.49	252
EX20S07	10Y-8H	5.81	3.58	0.0012	4.17	4.18	164
EX20S08	10Y-8H	5.38	3.59	0.0037	6.26	4.09	100
EX20S09	10Y-8H	4.83	3.60	0.0217	25.23	13.58	100
EX20S11	10Y-8H	5.09	3.59	0.0039	7.33	4.91	100
EX20S12	10Y-8H	4.87	3.60	0.0010	0.40	0.06	261
EX20S13	10Y-8H	5.57	3.59	0.0016	4.91	3.97	100
EX20S14	10Y-8H	6.05	3.59	0.0011	3.97	3.39	100
EX20S15	10Y-8H	5.71	3.59	0.0010	5.86	6.28	146
EX20S16	10Y-8H	5.29	3.62	0.0010	8.98	9.02	142
EX20S17	10Y-8H	6.00	3.69	0.0010	11.78	11.80	128
EX20S18	10Y-8H	6.58	3.81	0.0014	13.23	13.24	100
EX20S19	10Y-8H	7.16	4.01	0.0010	12.95	12.95	100
EX20S20	10Y-8H	6.90	4.09	0.0010	12.95	12.95	100
EX20S21	10Y-8H	6.49	4.17	0.0015	12.86	12.87	100
EX20S22	10Y-8H	5.48	4.29	0.0010	20.13	20.13	429
EX20S25	10Y-8H	5.84	4.41	0.0010	0.31	0.22	261
EX20S26	10Y-8H	5.43	2.43	0.0012	18.20	18.20	100
GWT-1	10Y-8H	99.00	2.43	0.0001	1.00	0.00	0
GWT-12	10Y-8H	99.00	2.43	0.0001	0.06	0.01	0
GWT-14	10Y-8H	99.00	2.43	0.0001	2.13	0.00	0
GWT-15	10Y-8H	99.00	2.43	0.0001	4.03	0.00	0
GWT-16	10Y-8H	99.00	2.43	0.0001	3.91	0.00	0
GWT-17	10Y-8H	99.00	2.43	0.0001	3.70	0.00	0
GWT-18	10Y-8H	99.00	2.43	0.0001	1.77	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
GWT-2	10Y-8H	99.00	2.43	0.0001	1.60	0.00	0
GWT-22	10Y-8H	99.00	2.43	0.0001	7.30	0.00	0
GWT-25	10Y-8H	99.00	2.43	0.0001	0.22	0.00	0
GWT-4	10Y-8H	99.00	2.43	0.0001	3.64	0.00	0
GWT-5	10Y-8H	99.00	2.43	0.0001	4.09	0.00	0
POND 20W3	10Y-8H	5.84	4.41	0.0004	46.80	40.72	29973
POND 20W4	10Y-8H	5.48	4.33	0.0004	52.15	35.13	67755
POND 20W5	10Y-8H	5.43	2.97	0.0001	18.25	18.20	10587
POND 20W6	10Y-8H	4.87	3.60	0.0251	8.06	25.23	24775
VEN	10Y-8H	99.00	2.43	0.0001	18.20	0.01	0
EX20S01	25Y-72H	5.66	4.43	0.0010	1.86	1.84	210
EX20S02	25Y-72H	5.15	4.43	0.0010	5.61	5.57	305
EX20S03	25Y-72H	5.28	4.41	0.0010	2.95	2.89	178
EX20S04	25Y-72H	5.80	4.39	0.0010	7.10	7.05	645
EX20S05	25Y-72H	6.57	4.39	0.0007	8.59	8.62	698
EX20S06	25Y-72H	6.34	4.39	0.0010	9.28	9.22	252
EX20S07	25Y-72H	5.81	4.25	0.0012	9.39	9.31	164
EX20S08	25Y-72H	5.38	4.19	0.0037	10.44	10.37	100
EX20S09	25Y-72H	4.83	4.19	0.0217	25.23	13.58	100
EX20S11	25Y-72H	5.09	4.18	0.0039	7.33	4.91	100
EX20S12	25Y-72H	4.87	4.21	0.0010	0.30	0.08	261
EX20S13	25Y-72H	5.57	4.16	0.0016	4.91	3.97	100
EX20S14	25Y-72H	6.05	4.14	0.0013	3.97	3.64	100
EX20S15	25Y-72H	5.71	4.14	0.0010	6.07	6.22	146
EX20S16	25Y-72H	5.29	4.16	0.0011	9.92	9.98	142
EX20S17	25Y-72H	6.00	4.25	0.0011	13.89	13.90	128
EX20S18	25Y-72H	6.58	4.41	0.0015	15.83	15.84	100
EX20S19	25Y-72H	7.16	4.69	0.0010	15.50	15.51	100
EX20S20	25Y-72H	6.90	4.81	0.0015	15.48	15.50	100
EX20S21	25Y-72H	6.49	4.91	0.0019	15.38	15.40	100
EX20S22	25Y-72H	5.48	5.09	0.0010	25.09	25.11	429
EX20S25	25Y-72H	5.84	5.24	0.0010	0.54	0.29	261
EX20S26	25Y-72H	5.43	2.43	0.0010	30.75	30.75	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
GWT-1	25Y-72H	99.00	2.43	0.0001	1.66	0.00	0
GWT-12	25Y-72H	99.00	2.43	0.0001	0.08	0.02	0
GWT-14	25Y-72H	99.00	2.43	0.0001	2.88	0.00	0
GWT-15	25Y-72H	99.00	2.43	0.0001	5.45	0.00	0
GWT-16	25Y-72H	99.00	2.43	0.0001	5.25	0.00	0
GWT-17	25Y-72H	99.00	2.43	0.0001	4.94	0.00	0
GWT-18	25Y-72H	99.00	2.43	0.0001	2.36	0.00	0
GWT-2	25Y-72H	99.00	2.43	0.0001	2.66	0.00	0
GWT-22	25Y-72H	99.00	2.43	0.0001	9.86	0.00	0
GWT-25	25Y-72H	99.00	2.43	0.0001	0.29	0.00	0
GWT-4	25Y-72H	99.00	2.43	0.0001	5.97	0.00	0
GWT-5	25Y-72H	99.00	2.43	0.0001	6.64	0.00	0
POND 20W3	25Y-72H	5.84	5.24	0.0006	104.50	90.17	30045
POND 20W4	25Y-72H	5.48	5.13	0.0008	116.30	51.22	68112
POND 20W5	25Y-72H	5.43	3.13	0.0001	30.79	30.75	11057
POND 20W6	25Y-72H	4.87	4.21	0.0251	20.44	25.23	26100
VEN	25Y-72H	99.00	2.43	0.0001	30.75	0.01	0

Link Min/Max Conditions [System 20 - Pre Dev]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX20PONDW3_PONDW4	100Y-1H	111.82	0.00	-0.13	5.03	6.69	5.65
EX20PONDW4_PONDW5	100Y-1H	25.77	-0.34	0.02	3.48	6.04	4.76
EX20PONDW6_S09	100Y-1H	25.23	-10.22	0.96	8.03	8.03	8.03
EX20S01_20GW01	100Y-1H	1.81	0.00	0.00	0.00	0.00	0.00
EX20S01_S02	100Y-1H	0.48	-1.17	1.02	-0.38	-0.38	-0.38
EX20S02_20GW02	100Y-1H	2.90	0.00	0.00	0.00	0.00	0.00
EX20S02_S03	100Y-1H	4.07	-2.21	-1.23	1.30	1.30	1.30
EX20S03_S04	100Y-1H	3.96	-1.84	0.85	1.26	1.26	1.26
EX20S04_20GW04	100Y-1H	6.45	0.00	0.00	0.00	0.00	0.00
EX20S04_S05	100Y-1H	2.73	-4.63	-0.28	-1.48	-1.48	-1.48
EX20S05_20GW05	100Y-1H	7.14	0.00	0.00	0.00	0.00	0.00
EX20S05_S06	100Y-1H	0.87	-8.44	0.08	-2.69	-2.69	-2.69
EX20S06_S07	100Y-1H	8.54	-7.77	-1.12	2.72	2.72	2.72
EX20S07_S08	100Y-1H	9.62	-7.71	-0.91	3.06	3.06	3.06
EX20S08_S09	100Y-1H	10.94	-7.69	-1.47	3.48	3.48	3.48
EX20S09_S11	100Y-1H	7.33	-3.33	1.81	2.33	2.33	2.33
EX20S11_S13	100Y-1H	5.34	-3.31	1.22	1.70	1.70	1.70
EX20S12_20GW12	100Y-1H	0.09	0.00	0.00	0.00	0.00	0.00
EX20S12_WEIR	100Y-1H	1.55	-0.02	-0.03	0.92	0.92	0.92
EX20S13_S14	100Y-1H	5.51	-3.28	-1.48	1.75	1.75	1.75
EX20S14_20GW14	100Y-1H	3.32	0.00	0.00	0.00	0.00	0.00
EX20S14_S15	100Y-1H	4.16	-4.36	1.75	-0.89	-0.89	-0.89
EX20S15_20GW15	100Y-1H	6.28	0.00	-0.01	0.00	0.00	0.00
EX20S15_S16	100Y-1H	2.50	-6.54	1.60	-1.33	-1.33	-1.33
EX20S16_20GW16	100Y-1H	6.06	0.00	-0.01	0.00	0.00	0.00
EX20S16_S17	100Y-1H	1.97	-10.98	-1.63	-2.24	-2.24	-2.24
EX20S17_20GW17	100Y-1H	5.74	0.00	-0.01	0.00	0.00	0.00
EX20S17_S18	100Y-1H	1.37	-16.02	2.00	-3.26	-3.26	-3.26
EX20S18_20GW18	100Y-1H	2.77	0.00	0.00	0.00	0.00	0.00
EX20S18_S19	100Y-1H	1.26	-18.39	-1.68	-3.75	-3.75	-3.75

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX20S19_S20	100Y-1H	0.98	-18.36	-0.19	-3.74	-5.29	-4.30
EX20S20_S21	100Y-1H	1.48	-18.27	-2.62	-3.72	-3.72	-3.72
EX20S21_S22	100Y-1H	0.99	-18.25	-1.80	-3.72	-3.72	-3.72
EX20S22_20GW22	100Y-1H	12.29	0.00	0.00	0.00	0.00	0.00
EX20S22_WEIR	100Y-1H	29.82	0.00	0.01	1.60	1.60	1.60
EX20S25_20GW25	100Y-1H	0.39	0.00	0.00	0.00	0.00	0.00
EX20S25_WEIR	100Y-1H	1.34	0.00	-0.02	0.88	0.88	0.88
EX20S26_VEN	100Y-1H	29.88	-0.05	-3.16	2.38	2.38	2.38
EX20S26_WEIR	100Y-1H	29.88	0.00	0.01	2.34	2.34	2.34
EX20PONDW3_PONDW4	100Y-24H	20.40	0.00	-0.02	1.85	3.47	2.54
EX20PONDW4_PONDW5	100Y-24H	6.51	-0.07	0.00	1.81	3.93	2.87
EX20PONDW6_S09	100Y-24H	25.23	-0.07	1.50	8.03	8.03	8.03
EX20S01_20GW01	100Y-24H	0.69	0.00	0.00	0.00	0.00	0.00
EX20S01_S02	100Y-24H	0.01	-0.84	-0.76	-0.27	-0.27	-0.27
EX20S02_20GW02	100Y-24H	1.12	0.00	0.00	0.00	0.00	0.00
EX20S02_S03	100Y-24H	0.10	-1.35	1.33	-0.43	-0.43	-0.43
EX20S03_S04	100Y-24H	0.09	-1.12	-0.94	-0.36	-0.36	-0.36
EX20S04_20GW04	100Y-24H	2.55	0.00	0.00	0.00	0.00	0.00
EX20S04_S05	100Y-24H	0.00	-2.30	0.14	-0.73	-0.73	-0.73
EX20S05_20GW05	100Y-24H	2.92	0.00	0.00	0.00	0.00	0.00
EX20S05_S06	100Y-24H	0.00	-4.35	-0.71	-1.39	-1.39	-1.39
EX20S06_S07	100Y-24H	0.02	-2.93	-1.08	-1.20	-1.42	-1.31
EX20S07_S08	100Y-24H	0.07	-3.79	-1.36	-1.73	-2.06	-1.89
EX20S08_S09	100Y-24H	0.11	-6.26	1.85	-2.50	-3.01	-2.75
EX20S09_S11	100Y-24H	7.33	-1.68	1.81	2.33	2.33	2.33
EX20S11_S13	100Y-24H	4.91	-1.59	-1.41	1.56	1.56	1.56
EX20S12_20GW12	100Y-24H	0.04	-0.01	-0.01	0.00	0.00	0.00
EX20S12_WEIR	100Y-24H	0.25	0.00	-0.01	0.04	0.04	0.04
EX20S13_S14	100Y-24H	3.97	-1.67	1.45	1.26	1.26	1.26
EX20S14_20GW14	100Y-24H	1.57	0.00	-0.01	0.00	0.00	0.00
EX20S14_S15	100Y-24H	3.33	-2.58	-1.77	0.68	0.68	0.68

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX20S15_20GW15	100Y-24H	2.98	0.00	-0.01	0.00	0.00	0.00
EX20S15_S16	100Y-24H	2.49	-4.74	-1.97	-0.97	-0.97	-0.97
EX20S16_20GW16	100Y-24H	2.90	0.00	-0.01	0.00	0.00	0.00
EX20S16_S17	100Y-24H	1.71	-7.13	-1.69	-1.45	-1.45	-1.45
EX20S17_20GW17	100Y-24H	2.75	0.00	-0.01	0.00	0.00	0.00
EX20S17_S18	100Y-24H	1.02	-9.66	1.98	-1.97	-1.97	-1.97
EX20S18_20GW18	100Y-24H	1.31	0.00	0.00	0.00	0.00	0.00
EX20S18_S19	100Y-24H	0.50	-10.76	-1.60	-2.19	-2.19	-2.19
EX20S19_S20	100Y-24H	0.01	-10.77	-0.50	-2.70	-4.36	-3.46
EX20S20_S21	100Y-24H	0.14	-10.72	-2.69	-2.18	-2.18	-2.18
EX20S21_S22	100Y-24H	0.13	-10.71	-2.03	-2.18	-2.18	-2.18
EX20S22_20GW22	100Y-24H	5.48	0.00	-0.01	0.00	0.00	0.00
EX20S22_WEIR	100Y-24H	15.83	0.00	-0.04	1.57	1.57	1.57
EX20S25_20GW25	100Y-24H	0.17	0.00	0.00	0.00	0.00	0.00
EX20S25_WEIR	100Y-24H	0.30	0.00	0.00	0.12	0.12	0.12
EX20S26_VEN	100Y-24H	8.16	-0.05	-3.45	0.65	0.65	0.65
EX20S26_WEIR	100Y-24H	8.14	0.00	0.00	1.51	1.51	1.51
EX20PONDW3_PONDW4	100Y-8H	54.22	0.00	-0.04	2.65	4.02	3.03
EX20PONDW4_PONDW5	100Y-8H	25.78	-0.10	0.01	3.48	6.04	4.76
EX20PONDW6_S09	100Y-8H	25.23	-5.14	1.33	8.03	8.03	8.03
EX20S01_20GW01	100Y-8H	1.37	0.00	0.00	0.00	0.00	0.00
EX20S01_S02	100Y-8H	0.04	-1.06	1.04	-0.34	-0.34	-0.34
EX20S02_20GW02	100Y-8H	2.20	0.00	0.00	0.00	0.00	0.00
EX20S02_S03	100Y-8H	1.73	-1.75	-1.50	-0.56	-0.56	-0.56
EX20S03_S04	100Y-8H	1.55	-1.40	-1.16	0.49	0.49	0.49
EX20S04_20GW04	100Y-8H	4.99	0.00	-0.01	0.00	0.00	0.00
EX20S04_S05	100Y-8H	0.00	-3.54	-0.39	-1.13	-1.13	-1.13
EX20S05_20GW05	100Y-8H	5.61	0.00	0.00	0.00	0.00	0.00
EX20S05_S06	100Y-8H	0.00	-6.95	-0.32	-2.21	-2.21	-2.21
EX20S06_S07	100Y-8H	2.50	-5.04	-1.02	-1.60	-1.60	-1.60
EX20S07_S08	100Y-8H	3.03	-4.91	-1.43	-1.73	-2.06	-1.89

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX20S08_S09	100Y-8H	3.73	-6.26	1.65	-2.50	-3.01	-2.75
EX20S09_S11	100Y-8H	7.33	-1.98	1.81	2.33	2.33	2.33
EX20S11_S13	100Y-8H	4.91	-1.70	-1.30	1.56	1.56	1.56
EX20S12_20GW12	100Y-8H	0.08	-0.01	0.00	0.00	0.00	0.00
EX20S12_WEIR	100Y-8H	0.48	-0.01	-0.01	0.06	0.06	0.06
EX20S13_S14	100Y-8H	3.97	-1.95	-1.52	1.26	1.26	1.26
EX20S14_20GW14	100Y-8H	2.85	0.00	0.00	0.00	0.00	0.00
EX20S14_S15	100Y-8H	3.33	-3.01	-1.93	0.68	0.68	0.68
EX20S15_20GW15	100Y-8H	5.39	0.00	-0.01	0.00	0.00	0.00
EX20S15_S16	100Y-8H	2.49	-5.44	1.67	-1.11	-1.11	-1.11
EX20S16_20GW16	100Y-8H	5.20	0.00	-0.01	0.00	0.00	0.00
EX20S16_S17	100Y-8H	1.71	-9.14	1.73	-1.86	-1.86	-1.86
EX20S17_20GW17	100Y-8H	4.90	0.00	-0.01	0.00	0.00	0.00
EX20S17_S18	100Y-8H	1.02	-13.48	-1.98	-2.75	-2.75	-2.75
EX20S18_20GW18	100Y-8H	2.34	0.00	0.00	0.00	0.00	0.00
EX20S18_S19	100Y-8H	0.50	-15.38	-1.71	-3.13	-3.13	-3.13
EX20S19_S20	100Y-8H	0.11	-15.38	0.03	-3.13	-4.11	-3.24
EX20S20_S21	100Y-8H	0.29	-15.27	-2.72	-3.11	-3.11	-3.11
EX20S21_S22	100Y-8H	0.11	-15.26	1.89	-3.11	-3.11	-3.11
EX20S22_20GW22	100Y-8H	9.79	0.00	0.01	0.00	0.00	0.00
EX20S22_WEIR	100Y-8H	24.27	0.00	0.00	1.56	1.56	1.56
EX20S25_20GW25	100Y-8H	0.29	0.00	0.00	0.00	0.00	0.00
EX20S25_WEIR	100Y-8H	0.38	0.00	-0.01	0.11	0.11	0.11
EX20S26_VEN	100Y-8H	29.60	0.00	-3.47	2.36	2.36	2.36
EX20S26_WEIR	100Y-8H	29.61	0.00	0.01	2.33	2.33	2.33
EX20PONDW3_PONDW4	10Y-1H	71.48	0.00	-0.07	3.28	5.80	4.45
EX20PONDW4_PONDW5	10Y-1H	14.30	-0.29	0.01	2.43	4.98	3.71
EX20PONDW6_S09	10Y-1H	25.23	-5.79	1.17	8.03	8.03	8.03
EX20S01_20GW01	10Y-1H	1.22	0.00	0.00	0.00	0.00	0.00
EX20S01_S02	10Y-1H	0.49	-1.06	0.90	-0.34	-0.34	-0.34
EX20S02_20GW02	10Y-1H	1.96	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX20S02_S03	10Y-1H	2.87	-1.89	1.41	0.92	0.92	0.92
EX20S03_S04	10Y-1H	2.79	-1.56	0.88	0.89	0.89	0.89
EX20S04_20GW04	10Y-1H	4.43	0.00	0.00	0.00	0.00	0.00
EX20S04_S05	10Y-1H	1.76	-3.89	0.07	-1.24	-1.24	-1.24
EX20S05_20GW05	10Y-1H	4.95	0.00	0.00	0.00	0.00	0.00
EX20S05_S06	10Y-1H	0.23	-6.94	-0.76	-2.21	-2.21	-2.21
EX20S06_S07	10Y-1H	4.75	-6.50	-1.00	-2.07	-2.07	-2.07
EX20S07_S08	10Y-1H	5.50	-6.46	-1.09	-2.06	-2.06	-2.06
EX20S08_S09	10Y-1H	6.41	-6.46	-1.49	-2.50	-3.01	-2.75
EX20S09_S11	10Y-1H	7.33	-3.28	1.81	2.33	2.33	2.33
EX20S11_S13	10Y-1H	5.20	-3.25	1.26	1.65	1.65	1.65
EX20S12_20GW12	10Y-1H	0.07	0.00	0.00	0.00	0.00	0.00
EX20S12_WEIR	10Y-1H	1.36	-0.01	-0.04	0.88	0.88	0.88
EX20S13_S14	10Y-1H	5.37	-3.23	1.47	1.71	1.71	1.71
EX20S14_20GW14	10Y-1H	2.54	0.00	0.01	0.00	0.00	0.00
EX20S14_S15	10Y-1H	4.02	-4.29	1.92	-0.87	-0.87	-0.87
EX20S15_20GW15	10Y-1H	4.82	0.00	0.01	0.00	0.00	0.00
EX20S15_S16	10Y-1H	2.49	-6.44	1.57	-1.31	-1.31	-1.31
EX20S16_20GW16	10Y-1H	4.67	0.00	-0.01	0.00	0.00	0.00
EX20S16_S17	10Y-1H	1.82	-9.99	1.59	-2.03	-2.03	-2.03
EX20S17_20GW17	10Y-1H	4.44	0.00	-0.01	0.00	0.00	0.00
EX20S17_S18	10Y-1H	1.32	-14.01	-1.91	-2.85	-2.85	-2.85
EX20S18_20GW18	10Y-1H	2.14	0.00	0.00	0.00	0.00	0.00
EX20S18_S19	10Y-1H	1.20	-15.89	-1.57	-3.24	-3.24	-3.24
EX20S19_S20	10Y-1H	0.83	-15.87	-0.15	-3.36	-5.28	-4.29
EX20S20_S21	10Y-1H	1.40	-15.80	2.45	-3.22	-3.22	-3.22
EX20S21_S22	10Y-1H	0.88	-15.78	1.87	-3.21	-3.21	-3.21
EX20S22_20GW22	10Y-1H	9.52	0.00	-0.01	0.00	0.00	0.00
EX20S22_WEIR	10Y-1H	24.83	0.00	0.01	1.60	1.60	1.60
EX20S25_20GW25	10Y-1H	0.32	0.00	0.00	0.00	0.00	0.00
EX20S25_WEIR	10Y-1H	1.25	0.00	-0.03	0.86	0.86	0.86
EX20S26_VEN	10Y-1H	16.70	-0.11	-3.14	1.33	1.33	1.33
EX20S26_WEIR	10Y-1H	16.69	0.00	0.01	1.92	1.92	1.92

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX20PONDW3_PONDW4	10Y-24H	14.29	0.00	-0.01	1.77	3.35	2.45
EX20PONDW4_PONDW5	10Y-24H	2.62	-0.07	0.00	1.32	3.03	2.17
EX20PONDW6_S09	10Y-24H	25.23	-0.50	1.55	8.03	8.03	8.03
EX20S01_20GW01	10Y-24H	0.49	0.00	0.00	0.00	0.00	0.00
EX20S01_S02	10Y-24H	0.01	-0.67	-0.61	-0.21	-0.21	-0.21
EX20S02_20GW02	10Y-24H	0.79	0.00	0.00	0.00	0.00	0.00
EX20S02_S03	10Y-24H	0.08	-1.25	1.25	-0.40	-0.40	-0.40
EX20S03_S04	10Y-24H	0.07	-1.04	-0.90	-0.33	-0.33	-0.33
EX20S04_20GW04	10Y-24H	1.82	0.00	0.00	0.00	0.00	0.00
EX20S04_S05	10Y-24H	0.00	-1.81	-0.17	-0.58	-0.58	-0.58
EX20S05_20GW05	10Y-24H	2.07	0.00	0.00	0.00	0.00	0.00
EX20S05_S06	10Y-24H	0.00	-3.34	-0.76	-1.06	-1.06	-1.06
EX20S06_S07	10Y-24H	0.07	-2.46	1.17	-1.20	-1.42	-1.31
EX20S07_S08	10Y-24H	0.10	-3.79	-1.50	-1.73	-2.06	-1.89
EX20S08_S09	10Y-24H	0.11	-6.26	-1.74	-2.50	-3.01	-2.75
EX20S09_S11	10Y-24H	7.33	-1.66	1.81	2.33	2.33	2.33
EX20S11_S13	10Y-24H	4.91	-1.58	-1.38	1.56	1.56	1.56
EX20S12_20GW12	10Y-24H	0.03	-0.02	-0.01	0.00	0.00	0.00
EX20S12_WEIR	10Y-24H	0.27	0.00	-0.01	0.03	0.03	0.03
EX20S13_S14	10Y-24H	3.97	-1.67	1.50	1.26	1.26	1.26
EX20S14_20GW14	10Y-24H	1.12	0.00	0.00	0.00	0.00	0.00
EX20S14_S15	10Y-24H	3.33	-2.51	-1.77	0.68	0.68	0.68
EX20S15_20GW15	10Y-24H	2.14	0.00	-0.01	0.00	0.00	0.00
EX20S15_S16	10Y-24H	2.49	-4.17	-1.95	-0.85	-0.85	-0.85
EX20S16_20GW16	10Y-24H	2.09	0.00	-0.01	0.00	0.00	0.00
EX20S16_S17	10Y-24H	1.71	-5.95	-1.75	-1.21	-1.21	-1.21
EX20S17_20GW17	10Y-24H	1.97	0.00	-0.01	0.00	0.00	0.00
EX20S17_S18	10Y-24H	1.02	-7.79	-1.97	-1.59	-1.59	-1.59
EX20S18_20GW18	10Y-24H	0.93	0.00	0.00	0.00	0.00	0.00
EX20S18_S19	10Y-24H	0.50	-8.60	-1.75	-1.75	-1.75	-1.75
EX20S19_S20	10Y-24H	0.01	-8.60	-0.54	-2.50	-4.02	-3.16

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX20S20_S21	10Y-24H	0.13	-8.58	-3.02	-1.75	-1.75	-1.75
EX20S21_S22	10Y-24H	0.10	-8.57	-1.92	-1.75	-1.75	-1.75
EX20S22_20GW22	10Y-24H	3.96	0.00	-0.01	0.00	0.00	0.00
EX20S22_WEIR	10Y-24H	12.30	0.00	0.06	1.53	1.53	1.53
EX20S25_20GW25	10Y-24H	0.14	0.00	0.00	0.00	0.00	0.00
EX20S25_WEIR	10Y-24H	0.33	0.00	-0.01	0.11	0.11	0.11
EX20S26_VEN	10Y-24H	5.06	-0.05	-3.48	0.40	0.40	0.40
EX20S26_WEIR	10Y-24H	3.66	0.00	0.00	1.16	1.16	1.16
EX20PONDW3_PONDW4	10Y-8H	40.48	0.00	-0.05	2.54	4.27	3.26
EX20PONDW4_PONDW5	10Y-8H	15.53	-0.09	0.01	2.52	5.11	3.81
EX20PONDW6_S09	10Y-8H	25.23	-3.96	1.37	8.03	8.03	8.03
EX20S01_20GW01	10Y-8H	1.00	0.00	0.00	0.00	0.00	0.00
EX20S01_S02	10Y-8H	0.03	-0.93	-0.86	-0.30	-0.30	-0.30
EX20S02_20GW02	10Y-8H	1.60	0.00	0.00	0.00	0.00	0.00
EX20S02_S03	10Y-8H	1.56	-1.65	-1.52	-0.53	-0.53	-0.53
EX20S03_S04	10Y-8H	1.32	-1.31	-0.96	0.42	0.42	0.42
EX20S04_20GW04	10Y-8H	3.64	0.00	0.00	0.00	0.00	0.00
EX20S04_S05	10Y-8H	0.00	-2.85	0.22	-0.91	-0.91	-0.91
EX20S05_20GW05	10Y-8H	4.09	0.00	0.00	0.00	0.00	0.00
EX20S05_S06	10Y-8H	0.00	-5.49	-0.38	-1.75	-1.75	-1.75
EX20S06_S07	10Y-8H	1.77	-4.18	1.31	-1.33	-1.42	-1.33
EX20S07_S08	10Y-8H	2.00	-4.09	-1.36	-1.73	-2.06	-1.89
EX20S08_S09	10Y-8H	2.33	-6.26	1.74	-2.50	-3.01	-2.75
EX20S09_S11	10Y-8H	7.33	-1.99	1.81	2.33	2.33	2.33
EX20S11_S13	10Y-8H	4.91	-1.76	-1.29	1.56	1.56	1.56
EX20S12_20GW12	10Y-8H	0.06	-0.01	-0.01	0.00	0.00	0.00
EX20S12_WEIR	10Y-8H	0.40	-0.01	-0.02	0.06	0.06	0.06
EX20S13_S14	10Y-8H	3.97	-1.84	1.42	1.26	1.26	1.26
EX20S14_20GW14	10Y-8H	2.13	0.00	0.00	0.00	0.00	0.00
EX20S14_S15	10Y-8H	3.33	-2.81	-2.01	0.68	0.68	0.68
EX20S15_20GW15	10Y-8H	4.03	0.00	0.01	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX20S15_S16	10Y-8H	2.49	-5.31	-1.74	-1.08	-1.08	-1.08
EX20S16_20GW16	10Y-8H	3.91	0.00	-0.01	0.00	0.00	0.00
EX20S16_S17	10Y-8H	1.71	-8.17	1.87	-1.66	-1.66	-1.66
EX20S17_20GW17	10Y-8H	3.70	0.00	-0.01	0.00	0.00	0.00
EX20S17_S18	10Y-8H	1.02	-11.49	-1.97	-2.34	-2.34	-2.34
EX20S18_20GW18	10Y-8H	1.77	0.00	0.00	0.00	0.00	0.00
EX20S18_S19	10Y-8H	0.50	-12.95	1.68	-2.64	-2.64	-2.64
EX20S19_S20	10Y-8H	0.09	-12.95	0.05	-2.72	-4.10	-3.23
EX20S20_S21	10Y-8H	0.25	-12.87	-2.63	-2.62	-2.62	-2.62
EX20S21_S22	10Y-8H	0.08	-12.86	1.98	-2.62	-2.62	-2.62
EX20S22_20GW22	10Y-8H	7.30	0.00	-0.01	0.00	0.00	0.00
EX20S22_WEIR	10Y-8H	19.61	0.00	-0.01	1.55	1.55	1.55
EX20S25_20GW25	10Y-8H	0.22	0.00	0.00	0.00	0.00	0.00
EX20S25_WEIR	10Y-8H	0.31	0.00	-0.01	0.13	0.13	0.13
EX20S26_VEN	10Y-8H	18.20	-0.01	-3.41	1.45	1.45	1.45
EX20S26_WEIR	10Y-8H	18.20	0.00	0.01	1.98	1.98	1.98
EX20PONDW3_PONDW4	25Y-72H	89.78	0.00	-0.06	4.04	5.53	4.44
EX20PONDW4_PONDW5	25Y-72H	26.90	-0.08	0.01	3.63	6.14	4.88
EX20PONDW6_S09	25Y-72H	25.23	-10.55	-1.30	8.03	8.03	8.03
EX20S01_20GW01	25Y-72H	1.66	0.00	0.00	0.00	0.00	0.00
EX20S01_S02	25Y-72H	0.22	-1.08	0.95	-0.34	-0.34	-0.34
EX20S02_20GW02	25Y-72H	2.66	0.00	0.00	0.00	0.00	0.00
EX20S02_S03	25Y-72H	2.95	-1.84	-1.51	0.94	0.94	0.94
EX20S03_S04	25Y-72H	2.89	-1.50	-0.94	0.92	0.92	0.92
EX20S04_20GW04	25Y-72H	5.97	0.00	0.00	0.00	0.00	0.00
EX20S04_S05	25Y-72H	1.60	-3.90	0.26	-1.24	-1.24	-1.24
EX20S05_20GW05	25Y-72H	6.64	0.00	0.00	0.00	0.00	0.00
EX20S05_S06	25Y-72H	0.50	-7.34	-0.80	-2.34	-2.34	-2.34
EX20S06_S07	25Y-72H	8.46	-5.65	-1.24	2.69	2.69	2.69
EX20S07_S08	25Y-72H	9.31	-5.48	-1.46	2.96	2.96	2.96
EX20S08_S09	25Y-72H	10.37	-6.26	-1.79	3.30	3.30	3.30

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX20S09_S11	25Y-72H	7.33	-1.64	1.81	2.33	2.33	2.33
EX20S11_S13	25Y-72H	4.91	-1.52	-1.34	1.56	1.56	1.56
EX20S12_20GW12	25Y-72H	0.08	-0.02	-0.01	0.00	0.00	0.00
EX20S12_WEIR	25Y-72H	0.30	0.00	0.00	0.04	0.04	0.04
EX20S13_S14	25Y-72H	3.97	-1.58	1.45	1.26	1.26	1.26
EX20S14_20GW14	25Y-72H	2.88	0.00	0.00	0.00	0.00	0.00
EX20S14_S15	25Y-72H	3.33	-2.56	1.86	0.68	0.68	0.68
EX20S15_20GW15	25Y-72H	5.45	0.00	-0.01	0.00	0.00	0.00
EX20S15_S16	25Y-72H	2.49	-5.19	-1.93	-1.06	-1.06	-1.06
EX20S16_20GW16	25Y-72H	5.25	0.00	-0.01	0.00	0.00	0.00
EX20S16_S17	25Y-72H	1.71	-9.19	-1.82	-1.87	-1.87	-1.87
EX20S17_20GW17	25Y-72H	4.94	0.00	-0.01	0.00	0.00	0.00
EX20S17_S18	25Y-72H	1.02	-13.55	-2.05	-2.76	-2.76	-2.76
EX20S18_20GW18	25Y-72H	2.36	0.00	0.00	0.00	0.00	0.00
EX20S18_S19	25Y-72H	0.50	-15.51	-1.92	-3.16	-3.16	-3.16
EX20S19_S20	25Y-72H	0.08	-15.50	-0.77	-3.16	-3.19	-3.16
EX20S20_S21	25Y-72H	0.19	-15.40	-2.98	-3.14	-3.14	-3.14
EX20S21_S22	25Y-72H	0.13	-15.38	-1.93	-3.13	-3.13	-3.13
EX20S22_20GW22	25Y-72H	9.86	0.00	-0.01	0.00	0.00	0.00
EX20S22_WEIR	25Y-72H	24.48	0.00	0.08	1.48	1.48	1.48
EX20S25_20GW25	25Y-72H	0.29	0.00	0.00	0.00	0.00	0.00
EX20S25_WEIR	25Y-72H	0.54	0.00	0.00	0.10	0.10	0.10
EX20S26_VEN	25Y-72H	30.75	-0.01	-3.45	2.45	2.45	2.45
EX20S26_WEIR	25Y-72H	30.75	0.00	0.01	2.36	2.36	2.36

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S01	100Y-1H	9746	9744	2
EX20S01	100Y-24H	32062	32045	17
EX20S01	100Y-8H	18860	18841	19
EX20S01	10Y-1H	6857	6859	-2
EX20S01	10Y-24H	22127	22123	3
EX20S01	10Y-8H	14123	14092	31
EX20S01	25Y-72H	32012	31946	66

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S02	100Y-1H	26067	26069	-2
EX20S02	100Y-24H	70115	70203	-89
EX20S02	100Y-8H	44125	44110	15
EX20S02	10Y-1H	18077	18072	5
EX20S02	10Y-24H	48976	49061	-84
EX20S02	10Y-8H	33123	33153	-30
EX20S02	25Y-72H	73999	73902	96

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S03	100Y-1H	17471	17473	-3
EX20S03	100Y-24H	30535	30417	118
EX20S03	100Y-8H	20381	20412	-31
EX20S03	10Y-1H	12044	12049	-5
EX20S03	10Y-24H	23392	23279	113
EX20S03	10Y-8H	16556	16548	8
EX20S03	25Y-72H	36047	35986	60

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S04	100Y-1H	47283	47276	7
EX20S04	100Y-24H	148527	148575	-48
EX20S04	100Y-8H	84734	84737	-4
EX20S04	10Y-1H	33224	33218	6
EX20S04	10Y-24H	104999	105032	-33
EX20S04	10Y-8H	65051	65062	-11

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S04	25Y-72H	150308	150089	219

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S05	100Y-1H	70237	70238	-2
EX20S05	100Y-24H	253344	253345	-1
EX20S05	100Y-8H	138742	138743	0
EX20S05	10Y-1H	50320	50322	-2
EX20S05	10Y-24H	178730	178729	1
EX20S05	10Y-8H	106994	106993	0
EX20S05	25Y-72H	247446	247202	244

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S06	100Y-1H	67963	67961	1
EX20S06	100Y-24H	222069	222049	20
EX20S06	100Y-8H	123891	123895	-4
EX20S06	10Y-1H	47294	47292	2
EX20S06	10Y-24H	159107	159072	35
EX20S06	10Y-8H	95409	95408	1
EX20S06	25Y-72H	226080	225961	119

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S07	100Y-1H	62301	62303	-2
EX20S07	100Y-24H	160834	160964	-129
EX20S07	100Y-8H	91556	91548	9
EX20S07	10Y-1H	42851	42853	-2
EX20S07	10Y-24H	121941	122156	-215
EX20S07	10Y-8H	73176	73178	-2
EX20S07	25Y-72H	175309	175485	-176

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S08	100Y-1H	63569	63568	1
EX20S08	100Y-24H	154171	153742	429
EX20S08	100Y-8H	90493	90498	-6
EX20S08	10Y-1H	43372	43368	4
EX20S08	10Y-24H	117753	117335	418
EX20S08	10Y-8H	72298	72288	10
EX20S08	25Y-72H	171888	171435	454

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S09	100Y-1H	71474	71469	5
EX20S09	100Y-24H	146185	146999	-813
EX20S09	100Y-8H	100948	100991	-43
EX20S09	10Y-1H	46719	46722	-3
EX20S09	10Y-24H	112938	113517	-578
EX20S09	10Y-8H	77882	77895	-13
EX20S09	25Y-72H	175847	176324	-476

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S11	100Y-1H	27534	27546	-12
EX20S11	100Y-24H	67281	66976	305
EX20S11	100Y-8H	31578	31525	53
EX20S11	10Y-1H	20667	20670	-3
EX20S11	10Y-24H	61605	61265	340
EX20S11	10Y-8H	23764	23762	1
EX20S11	25Y-72H	62429	62082	348

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S12	100Y-1H	651	651	0
EX20S12	100Y-24H	1557	1557	0
EX20S12	100Y-8H	1175	1175	0
EX20S12	10Y-1H	444	444	0
EX20S12	10Y-24H	997	997	0
EX20S12	10Y-8H	847	847	0
EX20S12	25Y-72H	1194	1159	35

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S13	100Y-1H	29000	28992	8
EX20S13	100Y-24H	60305	60538	-233
EX20S13	100Y-8H	31362	31352	10
EX20S13	10Y-1H	21544	21543	1
EX20S13	10Y-24H	56917	57297	-380
EX20S13	10Y-8H	21832	21819	14
EX20S13	25Y-72H	59781	60077	-296

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S14	100Y-1H	39818	39814	4
EX20S14	100Y-24H	129471	128881	591
EX20S14	100Y-8H	60226	60261	-34
EX20S14	10Y-1H	32066	32066	0
EX20S14	10Y-24H	104904	104163	741
EX20S14	10Y-8H	50411	50427	-15
EX20S14	25Y-72H	117168	116653	515

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S15	100Y-1H	68779	68784	-5
EX20S15	100Y-24H	268393	268952	-559
EX20S15	100Y-8H	129272	129270	1
EX20S15	10Y-1H	55728	55729	-2
EX20S15	10Y-24H	200080	200763	-683
EX20S15	10Y-8H	109648	109652	-5
EX20S15	25Y-72H	242996	243642	-645

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S16	100Y-1H	104558	104538	20
EX20S16	100Y-24H	395378	395206	172
EX20S16	100Y-8H	202931	202895	36
EX20S16	10Y-1H	81512	81484	28
EX20S16	10Y-24H	287718	287484	235
EX20S16	10Y-8H	165036	164999	37

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S16	25Y-72H	370761	369491	1270

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S17	100Y-1H	136973	136930	43
EX20S17	100Y-24H	505497	505403	95
EX20S17	100Y-8H	266269	266229	40
EX20S17	10Y-1H	104770	104737	33
EX20S17	10Y-24H	363547	363443	105
EX20S17	10Y-8H	212955	212911	44
EX20S17	25Y-72H	479209	478942	267

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S18	100Y-1H	152464	152462	3
EX20S18	100Y-24H	556893	556893	0
EX20S18	100Y-8H	296273	296277	-4
EX20S18	10Y-1H	115767	115763	4
EX20S18	10Y-24H	398484	398496	-12
EX20S18	10Y-8H	235468	235472	-4
EX20S18	25Y-72H	529466	529169	297

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S19	100Y-1H	149076	149140	-64
EX20S19	100Y-24H	548077	548238	-160
EX20S19	100Y-8H	290043	290102	-59
EX20S19	10Y-1H	113400	113461	-61
EX20S19	10Y-24H	392640	392809	-169
EX20S19	10Y-8H	231068	231133	-65
EX20S19	25Y-72H	518805	520133	-1328

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S20	100Y-1H	149110	148998	113
EX20S20	100Y-24H	548335	548086	249
EX20S20	100Y-8H	290135	290034	100
EX20S20	10Y-1H	113445	113338	107
EX20S20	10Y-24H	392891	392647	243
EX20S20	10Y-8H	231172	231062	111
EX20S20	25Y-72H	521304	518813	2492

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S21	100Y-1H	148082	148175	-93
EX20S21	100Y-24H	545881	545963	-82
EX20S21	100Y-8H	288366	288443	-77
EX20S21	10Y-1H	112719	112805	-87
EX20S21	10Y-24H	391269	391345	-75
EX20S21	10Y-8H	229909	229991	-83
EX20S21	25Y-72H	517061	518730	-1669

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S22	100Y-1H	250598	250617	-19
EX20S22	100Y-24H	813335	813484	-149
EX20S22	100Y-8H	445816	445839	-23
EX20S22	10Y-1H	190432	190452	-19
EX20S22	10Y-24H	578230	578383	-152
EX20S22	10Y-8H	346672	346699	-27
EX20S22	25Y-72H	849379	849980	-601

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S25	100Y-1H	6531	6530	0
EX20S25	100Y-24H	12754	12754	0
EX20S25	100Y-8H	8432	8432	0
EX20S25	10Y-1H	5804	5804	0
EX20S25	10Y-24H	11055	11055	0
EX20S25	10Y-8H	7238	7238	0
EX20S25	25Y-72H	29992	29957	35

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S26	100Y-1H	131519	131543	-24
EX20S26	100Y-24H	236127	235993	135
EX20S26	100Y-8H	297670	297674	-4
EX20S26	10Y-1H	67425	67452	-27
EX20S26	10Y-24H	104449	104272	177
EX20S26	10Y-8H	171849	171870	-21
EX20S26	25Y-72H	268490	268373	117

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-1	100Y-1H	9140	0	9140
GWT-1	100Y-24H	31997	1	31996
GWT-1	100Y-8H	18778	1	18777
GWT-1	10Y-1H	6471	0	6471
GWT-1	10Y-24H	22079	1	22077
GWT-1	10Y-8H	14032	1	14031
GWT-1	25Y-72H	31593	1	31593

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-12	100Y-1H	604	0	604
GWT-12	100Y-24H	1544	4	1539
GWT-12	100Y-8H	1141	2	1140
GWT-12	10Y-1H	424	0	424
GWT-12	10Y-24H	987	7	981
GWT-12	10Y-8H	818	3	815
GWT-12	25Y-72H	1154	7	1146

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-14	100Y-1H	22492	0	22492
GWT-14	100Y-24H	73970	0	73970
GWT-14	100Y-8H	44047	0	44046
GWT-14	10Y-1H	16131	0	16131
GWT-14	10Y-24H	50904	1	50903
GWT-14	10Y-8H	32892	1	32891

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-14	25Y-72H	74134	1	74133

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-15	100Y-1H	42822	0	42822
GWT-15	100Y-24H	140994	0	140994
GWT-15	100Y-8H	83752	1	83751
GWT-15	10Y-1H	30765	0	30765
GWT-15	10Y-24H	97172	1	97171
GWT-15	10Y-8H	62631	1	62629
GWT-15	25Y-72H	141567	1	141567

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-16	100Y-1H	41707	0	41707
GWT-16	100Y-24H	136837	0	136836
GWT-16	100Y-8H	81221	1	81220
GWT-16	10Y-1H	30021	0	30021
GWT-16	10Y-24H	94167	1	94167
GWT-16	10Y-8H	60810	1	60809
GWT-16	25Y-72H	137187	1	137187

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-17	100Y-1H	39805	0	39805
GWT-17	100Y-24H	128611	0	128611
GWT-17	100Y-8H	76727	1	76726
GWT-17	10Y-1H	28621	0	28621
GWT-17	10Y-24H	87982	1	87981
GWT-17	10Y-8H	57344	1	57343
GWT-17	25Y-72H	128102	1	128102

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-18	100Y-1H	19176	0	19176
GWT-18	100Y-24H	60215	0	60214
GWT-18	100Y-8H	36410	0	36410
GWT-18	10Y-1H	13708	0	13708
GWT-18	10Y-24H	40767	0	40766
GWT-18	10Y-8H	27041	1	27040
GWT-18	25Y-72H	59403	0	59402

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-2	100Y-1H	14698	0	14698
GWT-2	100Y-24H	51533	1	51532
GWT-2	100Y-8H	30207	1	30206
GWT-2	10Y-1H	10411	0	10411
GWT-2	10Y-24H	35593	2	35591
GWT-2	10Y-8H	22583	3	22581
GWT-2	25Y-72H	51014	1	51012

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-22	100Y-1H	102758	0	102758
GWT-22	100Y-24H	267643	2	267641
GWT-22	100Y-8H	157562	4	157558
GWT-22	10Y-1H	77953	0	77953
GWT-22	10Y-24H	187150	4	187146
GWT-22	10Y-8H	116880	5	116874
GWT-22	25Y-72H	332938	2	332936

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-25	100Y-1H	6530	0	6530
GWT-25	100Y-24H	12754	0	12754
GWT-25	100Y-8H	8432	0	8432
GWT-25	10Y-1H	5804	0	5804
GWT-25	10Y-24H	11055	0	11055
GWT-25	10Y-8H	7238	0	7238
GWT-25	25Y-72H	29957	0	29957

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-4	100Y-1H	33526	0	33526
GWT-4	100Y-24H	118437	2	118435
GWT-4	100Y-8H	69147	3	69144
GWT-4	10Y-1H	23825	0	23825
GWT-4	10Y-24H	81976	4	81972
GWT-4	10Y-8H	51757	5	51752
GWT-4	25Y-72H	117610	2	117607

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-5	100Y-1H	39136	0	39136
GWT-5	100Y-24H	135375	2	135373
GWT-5	100Y-8H	79572	2	79570
GWT-5	10Y-1H	27710	0	27710
GWT-5	10Y-24H	93363	4	93359
GWT-5	10Y-8H	59368	5	59363
GWT-5	25Y-72H	135006	2	135004

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 20W3	100Y-1H	287646	287258	388
POND 20W3	100Y-24H	780665	780401	264
POND 20W3	100Y-8H	553603	553318	284
POND 20W3	10Y-1H	196160	195884	276
POND 20W3	10Y-24H	511035	510769	266
POND 20W3	10Y-8H	388086	387821	264
POND 20W3	25Y-72H	843353	842997	356

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 20W4	100Y-1H	353589	353014	574
POND 20W4	100Y-24H	967468	966742	726
POND 20W4	100Y-8H	686172	685448	725
POND 20W4	10Y-1H	239458	238707	751
POND 20W4	10Y-24H	630282	629564	718
POND 20W4	10Y-8H	479277	478539	738

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 20W4	25Y-72H	1041825	1041190	635

Node Mass Balance Condensed [System 20 - Pre Dev]

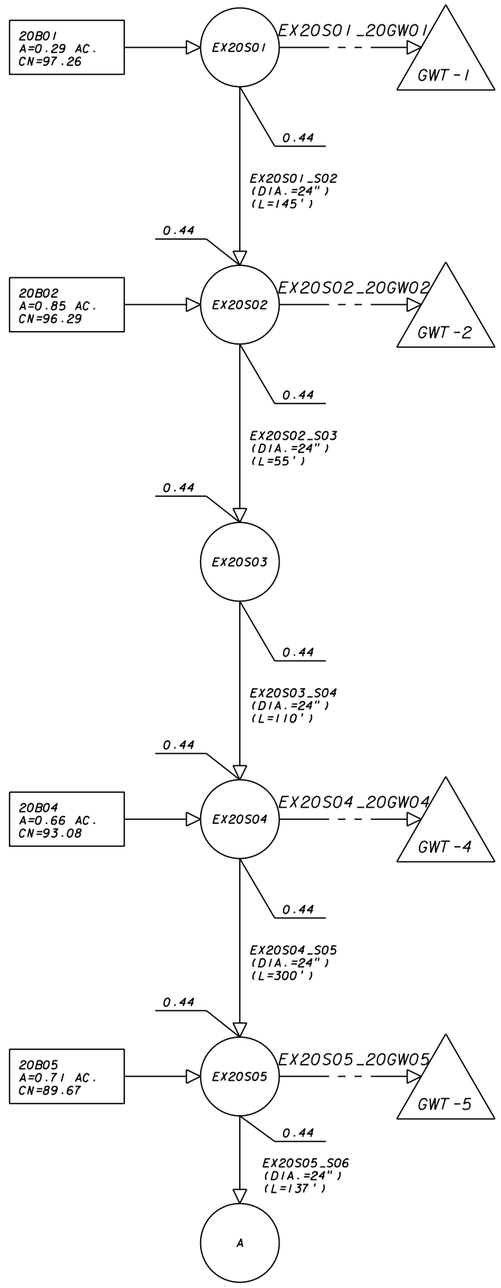
Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 20W5	100Y-1H	133112	132667	444
POND 20W5	100Y-24H	237771	237335	436
POND 20W5	100Y-8H	299247	298806	442
POND 20W5	10Y-1H	69016	68575	441
POND 20W5	10Y-24H	106268	105836	432
POND 20W5	10Y-8H	173429	172991	438
POND 20W5	25Y-72H	282995	282564	432

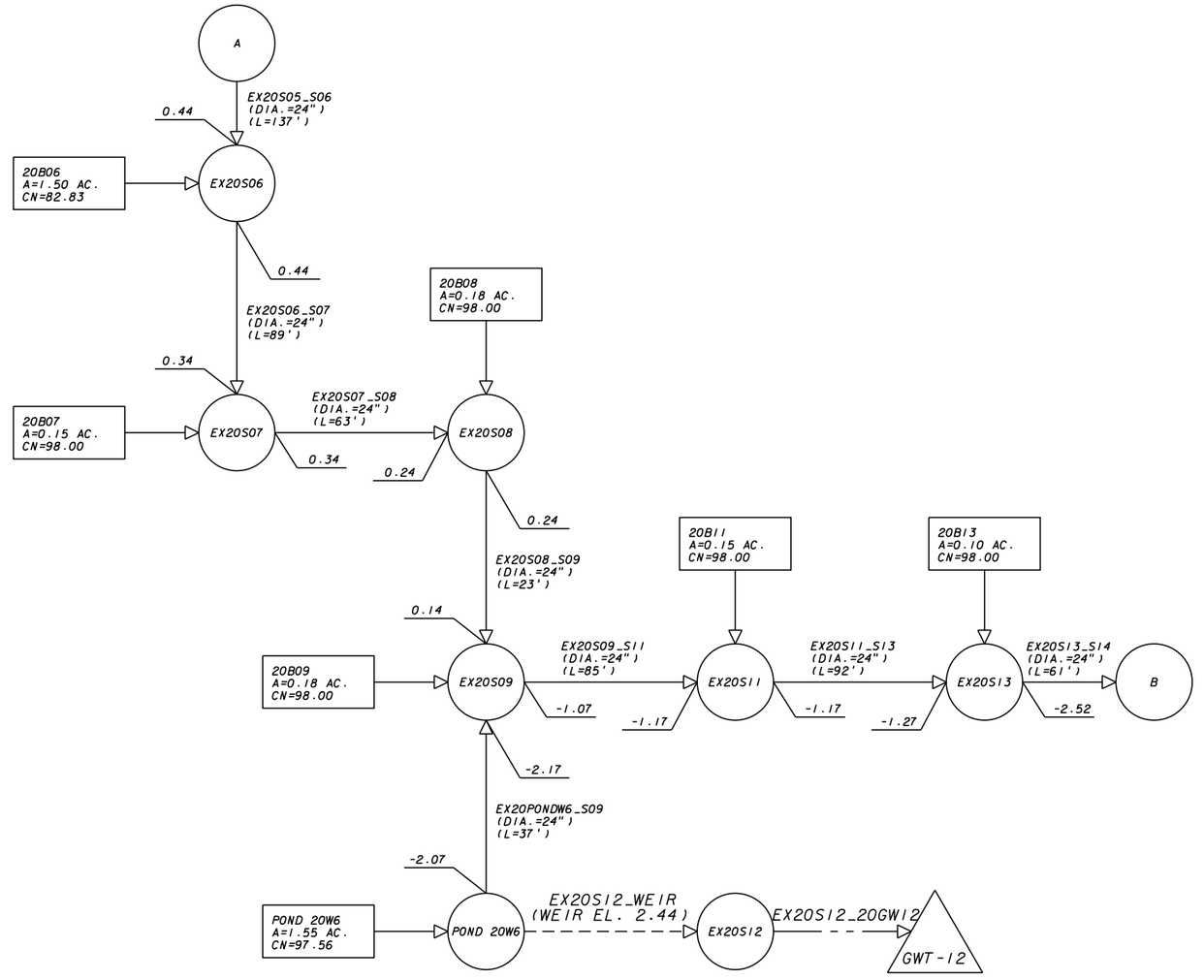
Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 20W6	100Y-1H	39903	40009	-106
POND 20W6	100Y-24H	73956	73790	167
POND 20W6	100Y-8H	66966	67068	-102
POND 20W6	10Y-1H	24234	24342	-109
POND 20W6	10Y-24H	48483	48439	43
POND 20W6	10Y-8H	48245	48349	-104
POND 20W6	25Y-72H	100161	100088	73

Node Mass Balance Condensed [System 20 - Pre Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
VEN	100Y-1H	131543	19	131525
VEN	100Y-24H	235993	18	235974
VEN	100Y-8H	297674	28	297647
VEN	10Y-1H	67452	17	67435
VEN	10Y-24H	104272	18	104254
VEN	10Y-8H	171870	30	171840
VEN	25Y-72H	268373	5	268367





LEGEND

20B05 A=0.08 AC. CN=80.13	CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER
EX20S04	NODE NAME
GWT-4	BOUNDARY NODE WITH VARIABLE TAILWATER
EX20S20_S22 (DIA.=24") (L=121') 2.44 2.44	PIPE LINK WITH SIZE-LENGTH INVERT ELEVATIONS
EX20S01_20GW	RATING CURVE LINK
EX20S01_WEIR (EL. 3.20)	WEIR LINK WITH WEIR ELEVATION

SYSTEM 20

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JUAN C. GARCIA, P.E.
P.E. No.: 46597
AECOM TECHNICAL SERVICES, INC.
7650 CORPORATE CENTER DRIVE, SUITE 400
MIAMI, FL 33126-1220
CERTIFICATE OF AUTHORIZATION: 8115

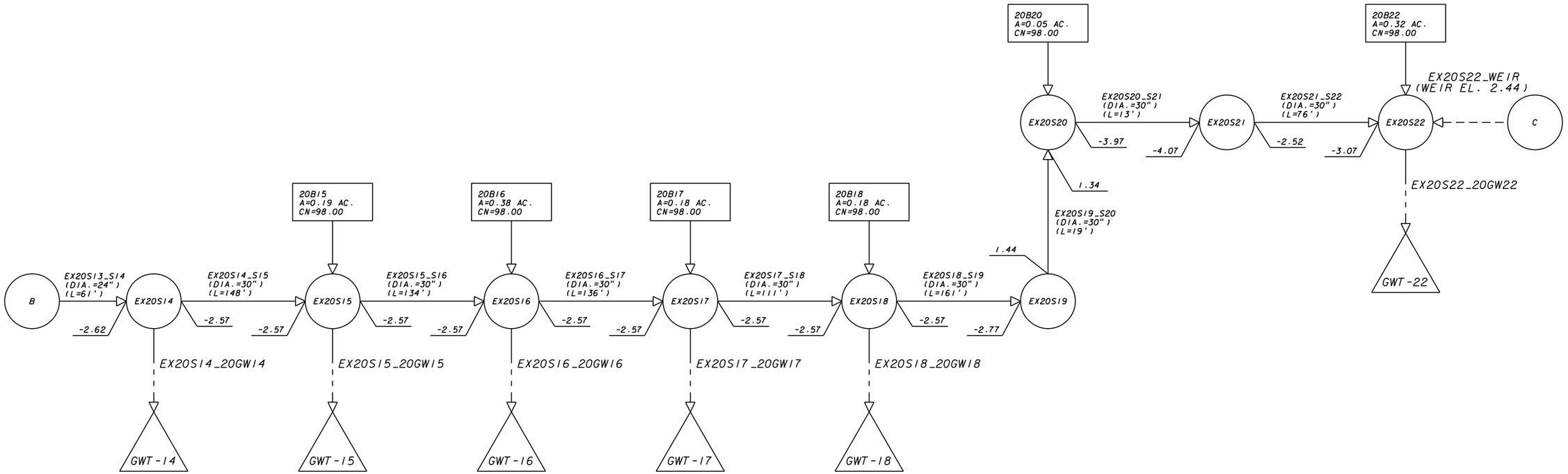
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR-9	MIAMI-DADE	428358-5-32-03

NODE-LINK DIAGRAM (1 OF 2)
(POST-DEV. CONDITIONS)

SHEET NO.

$USERS $DATES $TIMES $FILES



LEGEND

20B05 A=0.08 AC. CN=80.13	CONTRIBUTING BASIN BASIN NAME BASIN AREA CURVE NUMBER
EX20S04	NODE NAME
GWT-4	BOUNDARY NODE WITH VARIABLE TAILWATER
EX20S20_S22 (DIA.=24") (L=121') 2.44 2.44	PIPE LINK WITH SIZE-LENGTH INVERT ELEVATIONS
EX20S01_20GW1	RATING CURVE LINK
EX20S01_WEIR (EL. 3.20)	WEIR LINK WITH WEIR ELEVATION

SYSTEM 20

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JUAN C. GARCIA, P.E.
P.E. No.: 46597
AECOM TECHNICAL SERVICES, INC.
7650 CORPORATE CENTER DRIVE, SUITE 400
MIAMI, FL 33126-1220
CERTIFICATE OF AUTHORIZATION: 8115

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR-9	MIAMI-DADE	428358-5-32-03

NODE-LINK DIAGRAM (2 OF 2)
(POST-DEV. CONDITIONS)

SHEET NO.

$USER$ $DATE$ $TIME$ $FILE$

Manual Basin: 20B01

Scenario: System 20 - Post Dev
Node: EX20S01
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.2900	20B01	20B01			

Comment:

Manual Basin: 20B02

Scenario: System 20 - Post Dev
Node: EX20S02
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.8500	20B02	20B02			

Comment:

Manual Basin: 20B04

Scenario: System 20 - Post Dev
Node: EX20S04
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.6600	20B04	20B04			

Comment:

Manual Basin: 20B05

Scenario: System 20 - Post Dev
Node: EX20S05
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.7100	20B05	20B05			

Comment:

Manual Basin: 20B06

Scenario: System 20 - Post Dev
Node: EX20S06
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
1.5000	20B06	20B06			

Comment:

Manual Basin: 20B07

Scenario: System 20 - Post Dev
Node: EX20S07
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs

Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.1500	20B07	20B07			

Comment:

Manual Basin: 20B08

Scenario: System 20 - Post Dev
Node: EX20S08
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.1800	20B08	20B08			

Comment:

Manual Basin: 20B09

Scenario: System 20 - Post Dev
Node: EX20S09
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.1800	20B09	20B09			

Comment:

Manual Basin: 20B11

Scenario: System 20 - Post Dev
Node: EX20S11
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.1500	20B11	20B11			

Comment:

Manual Basin: 20B13

Scenario: System 20 - Post Dev
Node: EX20S13
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.1000	20B13	20B13			

Comment:

Manual Basin: 20B15

Scenario: System 20 - Post Dev
Node: EX20S15
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.1900	20B15	20B15			

Comment:

Manual Basin: 20B16

Scenario: System 20 - Post Dev
Node: EX20S16
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.3800	20B16	20B16			

Comment:

Manual Basin: 20B17

Scenario: System 20 - Post Dev
Node: EX20S17
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.1800	20B17	20B17			

Comment:

Manual Basin: 20B18

Scenario: System 20 - Post Dev
Node: EX20S18
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr

Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.1800	20B18	20B18			

Comment:

Manual Basin: 20B20

Scenario: System 20 - Post Dev
Node: EX20S20
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.0500	20B20	20B20			

Comment:

Manual Basin: 20B22

Scenario: System 20 - Post Dev
Node: EX20S22
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
0.3200	20B22	20B22			

Comment:

Manual Basin: POND 20W3

Scenario: System 20 - Post Dev

Node: POND 20W3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
16.3200	POND 20W3	POND 20W3			

Comment:

Manual Basin: POND 20W4

Scenario: System 20 - Post Dev
Node: POND 20W4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
4.2000	POND 20W4	POND 20W4			

Comment:

Manual Basin: POND 20W5

Scenario: System 20 - Post Dev
Node: POND 20W5
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
1.4600	POND 20W5	POND 20W5			

Comment:

Manual Basin: POND 20W6

Scenario: System 20 - Post Dev
Node: POND 20W6
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coeficient Zone	Reference ET Station
1.5500	POND 20W6	POND 20W6			

Comment:

Node: EX20S01

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.66 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.57	0.0015	65
3.43	0.0015	65
3.44	0.0005	22
5.66	0.0005	22

Comment:

Node: EX20S02

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.15 ft

Stage [ft]	Area [ac]	Area [ft2]
0.43	0.0024	105
3.43	0.0024	105
3.44	0.0005	22
5.15	0.0005	22

Comment:

Node: EX20S03

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.28 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.57	0.0003	13
5.28	0.0003	13

Comment:

Node: EX20S04

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.80 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.57	0.0054	235
3.43	0.0054	235
3.44	0.0005	22
5.80	0.0005	22

Comment:

Node: EX20S05

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.57 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.57	0.0060	261
3.43	0.0060	261
3.44	0.0005	22
6.57	0.0005	22

Comment:

Node: EX20S06

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.34 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.57	0.0006	26
6.34	0.0006	26

Comment:

Node: EX20S07

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.81 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.67	0.0003	13
5.81	0.0003	13
5.82	0.0030	131

Comment:

Node: EX20S08

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.38 ft

Stage [ft]	Area [ac]	Area [ft2]
-1.77	0.0003	13
5.38	0.0003	13
5.39	0.0030	131

Comment:

Node: EX20S09

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.83 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.17	0.0003	13
4.83	0.0003	13
4.84	0.0030	131

Comment:

Node: EX20S11

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.09 ft

Stage [ft]	Area [ac]	Area [ft2]
-3.17	0.0003	13
5.09	0.0003	13
5.10	0.0030	131

Comment:

Node: EX20S12

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 4.87 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0019	83
1.93	0.0019	83
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX20S13

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.57 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.52	0.0003	13
5.57	0.0003	13
5.58	0.0030	131

Comment:

Node: EX20S14

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.05 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0017	74
3.03	0.0017	74
3.04	0.0003	13
6.05	0.0003	13

Comment:

Node: EX20S15

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.71 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0032	139
3.03	0.0032	139
3.04	0.0005	22
5.71	0.0005	22

Comment:

Node: EX20S16

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.29 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0031	135
3.03	0.0031	135
3.04	0.0005	22
5.29	0.0005	22

Comment:

Node: EX20S17

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.00 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0028	122
3.03	0.0028	122
3.04	0.0005	22
6.00	0.0005	22

Comment:

Node: EX20S18

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.58 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0012	52
3.03	0.0012	52
3.04	0.0005	22
6.58	0.0005	22

Comment:

Node: EX20S19

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 7.16 ft

Stage [ft]	Area [ac]	Area [ft2]
-4.77	0.0005	22
7.16	0.0005	22

Comment:

Node: EX20S20

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.90 ft

Stage [ft]	Area [ac]	Area [ft2]
-5.97	0.0003	13
6.90	0.0003	13
6.91	0.0030	131

Comment:

Node: EX20S21

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 6.49 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.07	0.0003	13
6.49	0.0003	13

Comment:

Node: EX20S22

Scenario: System 20 - Post Dev

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.48 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0098	427
1.93	0.0098	427
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX20S25

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.84 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0019	83
1.93	0.0019	83
1.94	0.0006	26
2.43	0.0006	26
2.44	0.0060	261

Comment:

Node: EX20S26

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
-6.57	0.0005	22
2.58	0.0005	22
2.59	0.0050	218

Comment:

Node: GWT-1

Scenario: System 20 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-1

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-12

Scenario: System 20 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-12

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-14

Scenario: System 20 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-14

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-15

Scenario: System 20 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-15

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-16

Scenario: System 20 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-16

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43

Year	Month	Day	Hour	Stage [ft]
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-17

Scenario: System 20 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-17

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-18

Scenario: System 20 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-18

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-2

Scenario: System 20 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-2

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-22

Scenario: System 20 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-22

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-25

Scenario: System 20 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-25

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-4

Scenario: System 20 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-4

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: GWT-5

Scenario: System 20 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: GWT-5

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43

Year	Month	Day	Hour	Stage [ft]
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Node: POND 20W3

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.84 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.5800	25265
2.58	0.5900	25700
3.43	0.6300	27443
4.43	0.6800	29621

Comment:

Node: POND 20W4

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.48 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	1.3700	59677
2.58	1.3800	60113
3.43	1.4600	63598
4.43	1.5500	67518

Comment:

Node: POND 20W5

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 5.43 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.2000	8712
2.58	0.2100	9148
3.43	0.2700	11761
4.43	0.3400	14810

Comment:

Node: POND 20W6

Scenario: System 20 - Post Dev
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.43 ft
Warning Stage: 4.87 ft

Stage [ft]	Area [ac]	Area [ft2]
2.43	0.5100	22216
2.58	0.5200	22651
3.43	0.5600	24394
4.43	0.6100	26572

Comment:

Node: VEN

Scenario: System 20 - Post Dev
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.43 ft
Warning Stage: 99.00 ft
Boundary Stage: VEN

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.43
0	0	0	24.0000	1.43
0	0	0	48.0000	1.43
0	0	0	60.0000	1.43
0	0	0	72.0000	1.43
0	0	0	96.0000	1.43
0	0	0	108.0000	1.43

Comment:

Pipe Link: EX20PONDW3_PONDW4		Upstream		Downstream	
Scenario:	System 20 - Post Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 20W3	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
To Node:	POND 20W4	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Link Count:	3	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	84.00 ft	Ref Node:		Ref Node:	
FHWA Code:	30	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX20PONDW4_PONDW5		Upstream		Downstream	
Scenario:	System 20 - Post Dev	Invert:	2.44 ft	Invert:	2.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 20W4	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
To Node:	POND 20W5	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	124.00 ft	Ref Node:		Ref Node:	
FHWA Code:	30	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX20PONDW6_S09		Upstream		Downstream	
Scenario:	System 20 - Post Dev	Invert:	-2.07 ft	Invert:	-2.17 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	POND 20W6	Geometry: Circular		Geometry: Circular	
To Node:	EX20S09	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	37.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			

Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX20S01_20GW01

Scenario: System 20 - Post Dev
From Node: EX20S01
To Node: GWT-1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX20S01	1.43	EX20S01	1.43	EX20S01

Comment:

Pipe Link: EX20S01_S02

		Upstream		Downstream	
Scenario:	System 20 - Post Dev	Invert:	0.44 ft	Invert:	0.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S01	Geometry: Circular		Geometry: Circular	
To Node:	EX20S02	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	145.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX20S02_20GW02

Scenario: System 20 - Post Dev
From Node: EX20S02
To Node: GWT-2
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX20S02	1.43	EX20S02	1.43	EX20S02

Comment:

Pipe Link: EX20S02_S03		Upstream		Downstream	
Scenario:	System 20 - Post Dev	Invert:	0.44 ft	Invert:	0.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S02	Geometry: Circular		Geometry: Circular	
To Node:	EX20S03	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	55.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX20S03_S04		Upstream		Downstream	
Scenario:	System 20 - Post Dev	Invert:	0.44 ft	Invert:	0.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S03	Geometry: Circular		Geometry: Circular	
To Node:	EX20S04	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	110.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX20S04_20GW04	
Scenario:	System 20 - Post Dev
From Node:	EX20S04
To Node:	GWT-4
Link Count:	1

Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX20S04	1.43	EX20S04	1.43	EX20S04

Comment:

Pipe Link: EX20S04_S05		Upstream		Downstream	
Scenario:	System 20 - Post Dev	Invert:	0.44 ft	Invert:	0.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S04	Geometry: Circular		Geometry: Circular	
To Node:	EX20S05	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	300.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX20S05_20GW05

Scenario: System 20 - Post Dev
From Node: EX20S05
To Node: GWT-5
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX20S05	1.43	EX20S05	1.43	EX20S05

Comment:

Pipe Link: EX20S05_S06		Upstream		Downstream	
Scenario:	System 20 - Post Dev	Invert:	0.44 ft	Invert:	0.44 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S05	Geometry: Circular		Geometry: Circular	
To Node:	EX20S06	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	

Length:	137.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX20S06_S07		Upstream		Downstream	
Scenario:	System 20 - Post Dev	Invert:	0.44 ft	Invert:	0.34 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S06	Geometry: Circular		Geometry: Circular	
To Node:	EX20S07	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	89.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX20S07_S08		Upstream		Downstream	
Scenario:	System 20 - Post Dev	Invert:	0.34 ft	Invert:	0.24 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S07	Geometry: Circular		Geometry: Circular	
To Node:	EX20S08	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	63.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX20S08_S09		Upstream		Downstream	
Scenario:	System 20 - Post Dev	Invert:	0.24 ft	Invert:	0.14 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S08	Geometry: Circular		Geometry: Circular	
To Node:	EX20S09	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	23.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX20S09_S11		Upstream		Downstream	
Scenario:	System 20 - Post Dev	Invert:	-1.07 ft	Invert:	-1.17 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S09	Geometry: Circular		Geometry: Circular	
To Node:	EX20S11	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	85.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: EX20S11_S13		Upstream		Downstream	
Scenario:	System 20 - Post Dev	Invert:	-1.17 ft	Invert:	-1.27 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S11	Geometry: Circular		Geometry: Circular	
To Node:	EX20S13	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	92.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			

Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX20S12_20GW12

Scenario: System 20 - Post Dev
From Node: EX20S12
To Node: GWT-12
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX20S12	1.43	EX20S12	1.43	EX20S12

Comment:

Weir Link: EX20S12_WEIR

Scenario: System 20 - Post Dev
From Node: POND 20W6
To Node: EX20S12
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 2.44 ft
Control Elevation: 2.44 ft
Max Depth: 5.33 ft
Max Width: 4.83 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: EX20S13_S14

Scenario: System 20 - Post Dev
From Node: EX20S13
To Node: EX20S14
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 61.00 ft

Upstream
Invert: -2.52 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 2.00 ft
Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Downstream
Invert: -2.62 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 2.00 ft
Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Rating Curve Link: EX20S14_20GW14

Scenario: System 20 - Post Dev
From Node: EX20S14
To Node: GWT-14
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX20S14	1.43	EX20S14	1.43	EX20S14

Comment:

Pipe Link: EX20S14_S15		Upstream		Downstream	
Scenario:	System 20 - Post Dev	Invert:	-2.57 ft	Invert:	-2.57 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S14	Geometry: Circular		Geometry: Circular	
To Node:	EX20S15	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	148.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Rating Curve Link: EX20S15_20GW15

Scenario: System 20 - Post Dev
From Node: EX20S15
To Node: GWT-15
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX20S15	1.43	EX20S15	1.43	EX20S15

Comment:

Pipe Link: EX20S15_S16		Upstream		Downstream	
Scenario:	System 20 - Post Dev	Invert:	-2.57 ft	Invert:	-2.57 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S15	Geometry: Circular		Geometry: Circular	
To Node:	EX20S16	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	134.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX20S16_20GW16

Scenario: System 20 - Post Dev
From Node: EX20S16
To Node: GWT-16
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX20S16	1.43	EX20S16	1.43	EX20S16

Comment:

Pipe Link: EX20S16_S17		Upstream		Downstream	
Scenario:	System 20 - Post Dev	Invert:	-2.57 ft	Invert:	-2.57 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S16	Geometry: Circular		Geometry: Circular	
To Node:	EX20S17	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	136.00 ft	Ref Node:		Ref Node:	

FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Rating Curve Link: EX20S17_20GW17

Scenario:	System 20 - Post Dev
From Node:	EX20S17
To Node:	GWT-17
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX20S17	1.43	EX20S17	1.43	EX20S17

Comment:

Pipe Link: EX20S17_S18		Upstream		Downstream	
Scenario:	System 20 - Post Dev	Invert:	-2.57 ft	Invert:	-2.57 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S17	Geometry: Circular		Geometry: Circular	
To Node:	EX20S18	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	111.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Rating Curve Link: EX20S18_20GW18

Scenario:	System 20 - Post Dev
From Node:	EX20S18
To Node:	GWT-18
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX20S18	1.43	EX20S18	1.43	EX20S18

Comment:

Pipe Link: EX20S18_S19		Upstream		Downstream	
Scenario:	System 20 - Post Dev	Invert:	-2.57 ft	Invert:	-2.77 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S18	Geometry: Circular		Geometry: Circular	
To Node:	EX20S19	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	161.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX20S19_S20		Upstream		Downstream	
Scenario:	System 20 - Post Dev	Invert:	1.44 ft	Invert:	1.34 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S19	Geometry: Circular		Geometry: Circular	
To Node:	EX20S20	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	19.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX20S20_S21		Upstream		Downstream	
Scenario:	System 20 - Post Dev	Invert:	-3.97 ft	Invert:	-4.07 ft
		Manning's N:	0.0120	Manning's N:	0.0120

		Upstream		Downstream	
From Node:	EX20S20	Geometry: Circular		Geometry: Circular	
To Node:	EX20S21	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	13.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: EX20S21_S22		Upstream		Downstream	
Scenario:	System 20 - Post Dev	Invert:	-2.52 ft	Invert:	-3.07 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S21	Geometry: Circular		Geometry: Circular	
To Node:	EX20S22	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	76.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: EX20S22_20GW22

Scenario: System 20 - Post Dev
From Node: EX20S22
To Node: GWT-22
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX20S22	1.43	EX20S22	1.43	EX20S22

Comment:

Weir Link: EX20S22_WEIR

Scenario:	System 20 - Post Dev
From Node:	POND 20W4
To Node:	EX20S22
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.44 ft
Control Elevation:	2.44 ft
Max Depth:	5.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Rating Curve Link: EX20S25_20GW25

Scenario:	System 20 - Post Dev
From Node:	EX20S25
To Node:	GWT-25
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
OT_EX20S25	1.43	EX20S25	1.43	EX20S25

Comment:

Weir Link: EX20S25_WEIR

Scenario:	System 20 - Post Dev
From Node:	POND 20W3
To Node:	EX20S25
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	2.44 ft
Control Elevation:	2.44 ft
Max Depth:	5.33 ft
Max Width:	4.83 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: EX20S26_VEN		Upstream		Downstream	
Scenario:	System 20 - Post Dev	Invert:	-4.57 ft	Invert:	-5.57 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	EX20S26	Geometry: Circular		Geometry: Circular	
To Node:	VEN	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	92.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 ft	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: EX20S26_WEIR			
Scenario:	System 20 - Post Dev	Bottom Clip	
From Node:	POND 20W5	Default:	0.00 ft
To Node:	EX20S26	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.59 ft	Discharge Coefficients	
Control Elevation:	2.59 ft	Weir Default:	3.200
Max Depth:	8.67 ft	Weir Table:	
Max Width:	3.33 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Simulation: 100Y-1H	
Scenario:	System 20 - Post Dev
Run Date/Time:	7/23/2019 1:49:33 PM
Program Version:	ICPR4 4.03.02.00

General				
Run Mode:	Normal			
	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	3.0000	1.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	25.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 1-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 20 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 20 - Post Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight 0.5 dec

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False

Fact:			
dZ Tolerance:	0.0010 ft	Manual Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	5.10 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100Y-24H

Scenario: System 20 - Post Dev
Run Date/Time: 7/23/2019 1:50:34 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	26.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	48.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 24-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 20 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 20 - Post Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 13.44 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 100Y-8H

Scenario: System 20 - Post Dev
Run Date/Time: 7/23/2019 1:52:44 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	10.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	32.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:

Lookup Tables

Boundary Stage Set: 8-Hour
Extern Hydrograph Set:

Unit Hydrograph Folder:		Curve Number Set:	Basin 20 - Post Dev
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	Basin 20 - Post Dev
		Roughness Set:	
		Crop Coef Set:	
		Fillable Porosity Set:	
		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Manual Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	9.60 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-1H

Scenario:	System 20 - Post Dev
Run Date/Time:	7/23/2019 1:53:32 PM
Program Version:	ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	25.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	3.0000	1.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000
0	0	0	1.0000	1.0000
0	0	0	25.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 1-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 20 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 20 - Post Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 3.55 in

Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y-24H

Scenario: System 20 - Post Dev
Run Date/Time: 7/23/2019 1:54:34 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	26.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	8.0000	5.0000
0	0	0	16.0000	1.0000
0	0	0	24.0000	5.0000
0	0	0	48.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 24-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 20 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 20 - Post Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 8.88 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 10Y-8H

Scenario: System 20 - Post Dev
Run Date/Time: 7/23/2019 1:56:51 PM
Program Version: ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	32.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	10.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	2.0000	5.0000
0	0	0	6.0000	1.0000
0	0	0	8.0000	5.0000
0	0	0	32.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 8-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 20 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 20 - Post Dev

Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Manual Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	6.80 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25Y-72H

Scenario:	System 20 - Post Dev
Run Date/Time:	7/23/2019 1:57:40 PM
Program Version:	ICPR4 4.03.02.00

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	96.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.1000	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	48.0000	15.0000
0	0	0	56.0000	5.0000
0	0	0	64.0000	1.0000
0	0	0	72.0000	5.0000
0	0	0	74.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	48.0000	15.0000
0	0	0	56.0000	5.0000
0	0	0	64.0000	1.0000
0	0	0	72.0000	5.0000
0	0	0	96.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 72-Hour
Extern Hydrograph Set:
Curve Number Set: Basin 20 - Post Dev
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: Basin 20 - Post Dev
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Manual Basin Rain Opt: Global
OF Region Rain Opt: Global

Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	14.50 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Node Max Conditions [System 20 - Post Dev]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX20S01	100Y-1H	5.66	3.92	0.0010	2.25	2.23	210
EX20S02	100Y-1H	5.15	3.92	0.0010	6.92	6.85	305
EX20S03	100Y-1H	5.28	3.89	0.0010	4.07	3.97	178
EX20S04	100Y-1H	5.80	3.86	0.0010	8.70	8.63	645
EX20S05	100Y-1H	6.57	3.84	0.0010	9.56	9.68	698
EX20S06	100Y-1H	6.34	3.85	0.0010	8.65	8.55	252
EX20S07	100Y-1H	5.81	3.76	0.0012	9.73	9.63	164
EX20S08	100Y-1H	5.38	3.77	0.0037	11.04	10.95	100
EX20S09	100Y-1H	4.83	3.77	0.0217	25.23	13.58	100
EX20S11	100Y-1H	5.09	3.76	0.0039	7.33	5.42	100
EX20S12	100Y-1H	4.87	3.79	0.0015	1.54	0.09	261
EX20S13	100Y-1H	5.57	3.73	0.0016	5.82	5.60	100
EX20S14	100Y-1H	6.05	3.71	0.0010	5.60	5.40	100
EX20S15	100Y-1H	5.71	3.71	0.0010	6.62	7.02	146
EX20S16	100Y-1H	5.29	3.74	0.0010	11.46	11.47	142
EX20S17	100Y-1H	6.00	3.84	0.0010	16.19	16.21	128
EX20S18	100Y-1H	6.58	4.06	0.0012	18.53	18.56	100
EX20S19	100Y-1H	7.16	4.44	0.0010	18.24	18.27	100
EX20S20	100Y-1H	6.90	4.59	0.0010	18.21	18.24	100
EX20S21	100Y-1H	6.49	4.73	0.0015	18.12	18.15	100
EX20S22	100Y-1H	5.48	4.98	0.0010	31.58	31.62	429
EX20S25	100Y-1H	5.84	5.49	0.0012	1.34	0.39	261
EX20S26	100Y-1H	5.43	1.59	0.0010	29.67	29.67	100
GWT-1	100Y-1H	99.00	1.43	0.0000	1.81	0.00	0
GWT-12	100Y-1H	99.00	1.43	0.0000	0.09	0.00	0
GWT-14	100Y-1H	99.00	1.43	0.0000	3.31	0.00	0
GWT-15	100Y-1H	99.00	1.43	0.0000	6.27	0.00	0
GWT-16	100Y-1H	99.00	1.43	0.0000	6.05	0.00	0
GWT-17	100Y-1H	99.00	1.43	0.0000	5.72	0.00	0
GWT-18	100Y-1H	99.00	1.43	0.0000	2.76	0.00	0
GWT-2	100Y-1H	99.00	1.43	0.0000	2.90	0.00	0
GWT-22	100Y-1H	99.00	1.43	0.0000	13.65	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
GWT-25	100Y-1H	99.00	1.43	0.0000	0.39	0.00	0
GWT-4	100Y-1H	99.00	1.43	0.0000	6.45	0.00	0
GWT-5	100Y-1H	99.00	1.43	0.0000	7.14	0.00	0
POND 20W3	100Y-1H	5.84	5.49	0.0009	128.09	112.24	30045
POND 20W4	100Y-1H	5.48	5.04	0.0010	138.31	56.33	68113
POND 20W5	100Y-1H	5.43	3.12	0.0002	29.81	29.67	11023
POND 20W6	100Y-1H	4.87	3.79	0.0251	22.29	25.23	25187
VEN	100Y-1H	99.00	1.43	0.0000	29.67	0.15	0
EX20S01	100Y-24H	5.66	2.91	0.0007	1.17	0.69	210
EX20S02	100Y-24H	5.15	2.91	0.0009	2.14	1.92	305
EX20S03	100Y-24H	5.28	2.92	0.0010	1.09	1.33	178
EX20S04	100Y-24H	5.80	2.92	0.0004	2.95	3.48	645
EX20S05	100Y-24H	6.57	2.94	0.0002	5.04	5.05	698
EX20S06	100Y-24H	6.34	2.99	0.0009	4.31	4.31	252
EX20S07	100Y-24H	5.81	3.01	0.0012	3.79	2.88	164
EX20S08	100Y-24H	5.38	3.02	0.0037	6.26	3.79	100
EX20S09	100Y-24H	4.83	3.03	0.0217	25.23	13.58	100
EX20S11	100Y-24H	5.09	3.03	0.0039	7.33	4.91	100
EX20S12	100Y-24H	4.87	3.03	0.0010	0.25	0.04	261
EX20S13	100Y-24H	5.57	3.03	0.0016	4.91	3.97	100
EX20S14	100Y-24H	6.05	3.03	0.0012	3.97	3.39	100
EX20S15	100Y-24H	5.71	3.04	0.0010	4.85	5.19	146
EX20S16	100Y-24H	5.29	3.06	0.0010	7.41	7.47	142
EX20S17	100Y-24H	6.00	3.11	0.0011	9.70	9.70	128
EX20S18	100Y-24H	6.58	3.20	0.0015	10.79	10.79	100
EX20S19	100Y-24H	7.16	3.33	0.0010	10.60	10.60	100
EX20S20	100Y-24H	6.90	3.42	0.0013	10.60	10.60	100
EX20S21	100Y-24H	6.49	3.47	0.0017	10.54	10.55	100
EX20S22	100Y-24H	5.48	3.55	0.0010	16.55	16.55	429
EX20S25	100Y-24H	5.84	3.70	0.0010	0.30	0.17	261
EX20S26	100Y-24H	5.43	2.43	0.0012	7.90	7.92	100
GWT-1	100Y-24H	99.00	2.43	0.0001	0.69	0.00	0
GWT-12	100Y-24H	99.00	2.43	0.0001	0.04	0.01	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
GWT-14	100Y-24H	99.00	2.43	0.0001	1.55	0.00	0
GWT-15	100Y-24H	99.00	2.43	0.0001	2.96	0.00	0
GWT-16	100Y-24H	99.00	2.43	0.0001	2.87	0.00	0
GWT-17	100Y-24H	99.00	2.43	0.0001	2.72	0.00	0
GWT-18	100Y-24H	99.00	2.43	0.0001	1.29	0.00	0
GWT-2	100Y-24H	99.00	2.43	0.0001	1.11	0.00	0
GWT-22	100Y-24H	99.00	2.43	0.0001	6.02	0.00	0
GWT-25	100Y-24H	99.00	2.43	0.0001	0.17	0.00	0
GWT-4	100Y-24H	99.00	2.43	0.0001	2.54	0.00	0
GWT-5	100Y-24H	99.00	2.43	0.0001	2.90	0.00	0
POND 20W3	100Y-24H	5.84	3.70	0.0001	22.07	20.68	28514
POND 20W4	100Y-24H	5.48	3.60	0.0001	26.16	22.47	64960
POND 20W5	100Y-24H	5.43	2.81	0.0000	7.92	7.90	10074
POND 20W6	100Y-24H	4.87	3.03	0.0251	2.10	25.23	23577
VEN	100Y-24H	99.00	2.43	0.0001	7.92	0.01	0
EX20S01	100Y-8H	5.66	3.99	0.0010	1.71	1.36	210
EX20S02	100Y-8H	5.15	3.99	0.0011	3.44	4.31	305
EX20S03	100Y-8H	5.28	3.99	0.0011	1.82	1.74	178
EX20S04	100Y-8H	5.80	3.98	0.0010	5.53	5.44	645
EX20S05	100Y-8H	6.57	4.00	0.0007	8.41	8.44	698
EX20S06	100Y-8H	6.34	4.09	0.0008	6.91	6.92	252
EX20S07	100Y-8H	5.81	4.10	0.0012	4.98	4.99	164
EX20S08	100Y-8H	5.38	4.10	0.0037	6.26	4.85	100
EX20S09	100Y-8H	4.83	4.10	0.0217	25.23	13.58	100
EX20S11	100Y-8H	5.09	4.09	0.0039	7.33	4.91	100
EX20S12	100Y-8H	4.87	4.12	0.0010	0.48	0.08	261
EX20S13	100Y-8H	5.57	4.07	0.0016	4.91	3.97	100
EX20S14	100Y-8H	6.05	4.06	0.0012	3.97	3.39	100
EX20S15	100Y-8H	5.71	4.06	0.0010	5.99	6.70	146
EX20S16	100Y-8H	5.29	4.08	0.0010	9.97	10.04	142
EX20S17	100Y-8H	6.00	4.16	0.0010	13.73	13.74	128
EX20S18	100Y-8H	6.58	4.33	0.0012	15.62	15.62	100
EX20S19	100Y-8H	7.16	4.60	0.0010	15.22	15.22	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX20S20	100Y-8H	6.90	4.71	0.0010	15.21	15.22	100
EX20S21	100Y-8H	6.49	4.81	0.0016	15.10	15.11	100
EX20S22	100Y-8H	5.48	4.99	0.0009	25.85	25.86	429
EX20S25	100Y-8H	5.84	5.14	0.0010	0.38	0.29	261
EX20S26	100Y-8H	5.43	2.43	0.0011	29.23	29.23	100
GWT-1	100Y-8H	99.00	2.43	0.0001	1.36	0.00	0
GWT-12	100Y-8H	99.00	2.43	0.0001	0.08	0.01	0
GWT-14	100Y-8H	99.00	2.43	0.0001	2.84	0.00	0
GWT-15	100Y-8H	99.00	2.43	0.0001	5.37	0.00	0
GWT-16	100Y-8H	99.00	2.43	0.0001	5.17	0.00	0
GWT-17	100Y-8H	99.00	2.43	0.0001	4.87	0.00	0
GWT-18	100Y-8H	99.00	2.43	0.0001	2.32	0.00	0
GWT-2	100Y-8H	99.00	2.43	0.0001	2.19	0.00	0
GWT-22	100Y-8H	99.00	2.43	0.0001	10.82	0.00	0
GWT-25	100Y-8H	99.00	2.43	0.0001	0.29	0.00	0
GWT-4	100Y-8H	99.00	2.43	0.0001	4.98	0.00	0
GWT-5	100Y-8H	99.00	2.43	0.0001	5.60	0.00	0
POND 20W3	100Y-8H	5.84	5.14	0.0004	66.24	54.96	30025
POND 20W4	100Y-8H	5.48	5.03	0.0004	71.58	50.48	68112
POND 20W5	100Y-8H	5.43	3.12	0.0001	29.28	29.23	11008
POND 20W6	100Y-8H	4.87	4.12	0.0251	10.67	25.23	25904
VEN	100Y-8H	99.00	2.43	0.0001	29.23	0.00	0
EX20S01	10Y-1H	5.66	3.11	0.0010	1.54	1.68	210
EX20S02	10Y-1H	5.15	3.11	0.0010	4.73	4.67	305
EX20S03	10Y-1H	5.28	3.11	0.0010	2.86	2.79	178
EX20S04	10Y-1H	5.80	3.10	0.0010	5.89	5.76	645
EX20S05	10Y-1H	6.57	3.10	0.0010	7.56	7.66	698
EX20S06	10Y-1H	6.34	3.16	0.0010	6.90	6.93	252
EX20S07	10Y-1H	5.81	3.17	0.0012	6.46	6.48	164
EX20S08	10Y-1H	5.38	3.18	0.0037	6.48	6.44	100
EX20S09	10Y-1H	4.83	3.19	0.0217	25.23	13.58	100
EX20S11	10Y-1H	5.09	3.18	0.0039	7.33	5.29	100
EX20S12	10Y-1H	4.87	3.20	0.0013	1.35	0.07	261

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX20S13	10Y-1H	5.57	3.18	0.0016	5.66	5.47	100
EX20S14	10Y-1H	6.05	3.17	0.0010	5.47	5.29	100
EX20S15	10Y-1H	5.71	3.18	0.0010	6.34	6.94	146
EX20S16	10Y-1H	5.29	3.21	0.0010	10.32	10.40	142
EX20S17	10Y-1H	6.00	3.30	0.0010	14.13	14.14	128
EX20S18	10Y-1H	6.58	3.47	0.0013	15.98	16.00	100
EX20S19	10Y-1H	7.16	3.76	0.0010	15.76	15.78	100
EX20S20	10Y-1H	6.90	3.88	0.0010	15.75	15.76	100
EX20S21	10Y-1H	6.49	3.99	0.0014	15.68	15.69	100
EX20S22	10Y-1H	5.48	4.18	0.0010	26.16	26.19	429
EX20S25	10Y-1H	5.84	4.79	0.0011	1.25	0.32	261
EX20S26	10Y-1H	5.43	1.48	0.0012	16.51	16.52	100
GWT-1	10Y-1H	99.00	1.43	0.0000	1.22	0.00	0
GWT-12	10Y-1H	99.00	1.43	0.0000	0.07	0.00	0
GWT-14	10Y-1H	99.00	1.43	0.0000	2.54	0.00	0
GWT-15	10Y-1H	99.00	1.43	0.0000	4.81	0.00	0
GWT-16	10Y-1H	99.00	1.43	0.0000	4.66	0.00	0
GWT-17	10Y-1H	99.00	1.43	0.0000	4.42	0.00	0
GWT-18	10Y-1H	99.00	1.43	0.0000	2.14	0.00	0
GWT-2	10Y-1H	99.00	1.43	0.0000	1.96	0.00	0
GWT-22	10Y-1H	99.00	1.43	0.0000	10.57	0.00	0
GWT-25	10Y-1H	99.00	1.43	0.0000	0.32	0.00	0
GWT-4	10Y-1H	99.00	1.43	0.0000	4.43	0.00	0
GWT-5	10Y-1H	99.00	1.43	0.0000	4.95	0.00	0
POND 20W3	10Y-1H	5.84	4.79	0.0007	88.04	71.63	30045
POND 20W4	10Y-1H	5.48	4.23	0.0010	86.73	39.79	67387
POND 20W5	10Y-1H	5.43	2.95	0.0002	16.66	16.51	10513
POND 20W6	10Y-1H	4.87	3.20	0.0251	14.06	25.23	23927
VEN	10Y-1H	99.00	1.43	0.0000	16.52	0.05	0
EX20S01	10Y-24H	5.66	2.68	0.0007	0.93	0.49	210
EX20S02	10Y-24H	5.15	2.68	0.0009	1.74	1.49	305
EX20S03	10Y-24H	5.28	2.68	0.0010	1.06	1.23	178
EX20S04	10Y-24H	5.80	2.68	0.0003	2.22	2.79	645

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
EX20S05	10Y-24H	6.57	2.69	0.0002	3.76	3.78	698
EX20S06	10Y-24H	6.34	2.71	0.0010	3.32	3.30	252
EX20S07	10Y-24H	5.81	2.72	0.0012	3.79	2.42	164
EX20S08	10Y-24H	5.38	2.73	0.0037	6.26	3.79	100
EX20S09	10Y-24H	4.83	2.73	0.0217	25.23	13.58	100
EX20S11	10Y-24H	5.09	2.74	0.0039	7.33	4.91	100
EX20S12	10Y-24H	4.87	2.74	0.0010	0.26	0.03	261
EX20S13	10Y-24H	5.57	2.74	0.0016	4.91	3.97	100
EX20S14	10Y-24H	6.05	2.74	0.0012	3.97	3.39	100
EX20S15	10Y-24H	5.71	2.75	0.0010	4.23	4.60	146
EX20S16	10Y-24H	5.29	2.77	0.0010	6.12	6.15	142
EX20S17	10Y-24H	6.00	2.80	0.0011	7.79	7.79	128
EX20S18	10Y-24H	6.58	2.86	0.0014	8.58	8.58	100
EX20S19	10Y-24H	7.16	2.94	0.0010	8.45	8.45	100
EX20S20	10Y-24H	6.90	3.04	0.0011	8.47	8.45	100
EX20S21	10Y-24H	6.49	3.07	0.0017	8.42	8.44	100
EX20S22	10Y-24H	5.48	3.12	0.0010	12.77	12.77	429
EX20S25	10Y-24H	5.84	3.38	0.0010	0.33	0.14	261
EX20S26	10Y-24H	5.43	2.43	0.0014	3.53	5.13	100
GWT-1	10Y-24H	99.00	2.43	0.0001	0.49	0.00	0
GWT-12	10Y-24H	99.00	2.43	0.0001	0.03	0.02	0
GWT-14	10Y-24H	99.00	2.43	0.0001	1.11	0.00	0
GWT-15	10Y-24H	99.00	2.43	0.0001	2.12	0.00	0
GWT-16	10Y-24H	99.00	2.43	0.0001	2.06	0.00	0
GWT-17	10Y-24H	99.00	2.43	0.0001	1.95	0.00	0
GWT-18	10Y-24H	99.00	2.43	0.0001	0.92	0.00	0
GWT-2	10Y-24H	99.00	2.43	0.0001	0.79	0.00	0
GWT-22	10Y-24H	99.00	2.43	0.0001	4.35	0.00	0
GWT-25	10Y-24H	99.00	2.43	0.0001	0.14	0.00	0
GWT-4	10Y-24H	99.00	2.43	0.0001	1.80	0.00	0
GWT-5	10Y-24H	99.00	2.43	0.0001	2.05	0.00	0
POND 20W3	10Y-24H	5.84	3.38	0.0001	14.57	14.58	27808
POND 20W4	10Y-24H	5.48	3.17	0.0001	18.18	15.04	63203

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND 20W5	10Y-24H	5.43	2.72	0.0000	3.55	3.53	9769
POND 20W6	10Y-24H	4.87	2.74	0.0251	1.80	25.23	22973
VEN	10Y-24H	99.00	2.43	0.0001	5.13	0.00	0
EX20S01	10Y-8H	5.66	3.49	0.0009	1.32	0.99	210
EX20S02	10Y-8H	5.15	3.49	0.0010	2.51	3.23	305
EX20S03	10Y-8H	5.28	3.49	0.0010	1.55	1.59	178
EX20S04	10Y-8H	5.80	3.49	0.0006	4.19	4.19	645
EX20S05	10Y-8H	6.57	3.50	0.0004	6.46	6.48	698
EX20S06	10Y-8H	6.34	3.56	0.0010	5.45	5.46	252
EX20S07	10Y-8H	5.81	3.57	0.0012	4.12	4.13	164
EX20S08	10Y-8H	5.38	3.58	0.0037	6.26	4.04	100
EX20S09	10Y-8H	4.83	3.59	0.0217	25.23	13.58	100
EX20S11	10Y-8H	5.09	3.59	0.0039	7.33	4.91	100
EX20S12	10Y-8H	4.87	3.60	0.0010	0.42	0.06	261
EX20S13	10Y-8H	5.57	3.58	0.0016	4.91	3.97	100
EX20S14	10Y-8H	6.05	3.58	0.0012	3.97	3.39	100
EX20S15	10Y-8H	5.71	3.58	0.0010	5.79	6.19	146
EX20S16	10Y-8H	5.29	3.61	0.0010	8.90	8.93	142
EX20S17	10Y-8H	6.00	3.68	0.0010	11.67	11.69	128
EX20S18	10Y-8H	6.58	3.80	0.0014	13.11	13.11	100
EX20S19	10Y-8H	7.16	4.00	0.0010	12.82	12.82	100
EX20S20	10Y-8H	6.90	4.08	0.0010	12.82	12.82	100
EX20S21	10Y-8H	6.49	4.15	0.0013	12.74	12.74	100
EX20S22	10Y-8H	5.48	4.27	0.0009	20.78	20.78	429
EX20S25	10Y-8H	5.84	4.39	0.0010	0.31	0.22	261
EX20S26	10Y-8H	5.43	2.43	0.0012	17.95	17.95	100
GWT-1	10Y-8H	99.00	2.43	0.0001	0.99	0.00	0
GWT-12	10Y-8H	99.00	2.43	0.0001	0.06	0.01	0
GWT-14	10Y-8H	99.00	2.43	0.0001	2.12	0.00	0
GWT-15	10Y-8H	99.00	2.43	0.0001	4.02	0.00	0
GWT-16	10Y-8H	99.00	2.43	0.0001	3.89	0.00	0
GWT-17	10Y-8H	99.00	2.43	0.0001	3.68	0.00	0
GWT-18	10Y-8H	99.00	2.43	0.0001	1.75	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
GWT-2	10Y-8H	99.00	2.43	0.0001	1.60	0.00	0
GWT-22	10Y-8H	99.00	2.43	0.0001	8.08	0.00	0
GWT-25	10Y-8H	99.00	2.43	0.0001	0.22	0.00	0
GWT-4	10Y-8H	99.00	2.43	0.0001	3.63	0.00	0
GWT-5	10Y-8H	99.00	2.43	0.0001	4.08	0.00	0
POND 20W3	10Y-8H	5.84	4.39	0.0004	46.86	41.16	29946
POND 20W4	10Y-8H	5.48	4.31	0.0003	52.61	35.50	67686
POND 20W5	10Y-8H	5.43	2.97	0.0001	18.00	17.95	10576
POND 20W6	10Y-8H	4.87	3.60	0.0251	8.05	25.23	24763
VEN	10Y-8H	99.00	2.43	0.0001	17.95	0.00	0
EX20S01	25Y-72H	5.66	4.43	0.0010	1.86	1.84	210
EX20S02	25Y-72H	5.15	4.43	0.0010	5.62	5.57	305
EX20S03	25Y-72H	5.28	4.41	0.0010	2.96	2.89	178
EX20S04	25Y-72H	5.80	4.39	0.0009	7.10	7.05	645
EX20S05	25Y-72H	6.57	4.38	0.0007	8.56	8.60	698
EX20S06	25Y-72H	6.34	4.39	0.0010	9.28	9.22	252
EX20S07	25Y-72H	5.81	4.24	0.0012	9.42	9.33	164
EX20S08	25Y-72H	5.38	4.18	0.0037	10.47	10.40	100
EX20S09	25Y-72H	4.83	4.19	0.0217	25.23	13.58	100
EX20S11	25Y-72H	5.09	4.17	0.0039	7.33	4.91	100
EX20S12	25Y-72H	4.87	4.21	0.0010	0.33	0.08	261
EX20S13	25Y-72H	5.57	4.15	0.0016	4.91	3.97	100
EX20S14	25Y-72H	6.05	4.13	0.0013	3.97	3.61	100
EX20S15	25Y-72H	5.71	4.13	0.0010	5.99	6.10	146
EX20S16	25Y-72H	5.29	4.16	0.0010	9.86	9.90	142
EX20S17	25Y-72H	6.00	4.24	0.0011	13.77	13.78	128
EX20S18	25Y-72H	6.58	4.40	0.0015	15.69	15.71	100
EX20S19	25Y-72H	7.16	4.68	0.0010	15.36	15.38	100
EX20S20	25Y-72H	6.90	4.79	0.0011	15.34	15.36	100
EX20S21	25Y-72H	6.49	4.89	0.0017	15.24	15.26	100
EX20S22	25Y-72H	5.48	5.07	0.0010	26.02	26.03	429
EX20S25	25Y-72H	5.84	5.22	0.0010	0.54	0.29	261
EX20S26	25Y-72H	5.43	2.43	0.0010	30.48	30.48	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
GWT-1	25Y-72H	99.00	2.43	0.0001	1.66	0.00	0
GWT-12	25Y-72H	99.00	2.43	0.0001	0.08	0.02	0
GWT-14	25Y-72H	99.00	2.43	0.0001	2.87	0.00	0
GWT-15	25Y-72H	99.00	2.43	0.0001	5.43	0.00	0
GWT-16	25Y-72H	99.00	2.43	0.0001	5.23	0.00	0
GWT-17	25Y-72H	99.00	2.43	0.0001	4.92	0.00	0
GWT-18	25Y-72H	99.00	2.43	0.0001	2.35	0.00	0
GWT-2	25Y-72H	99.00	2.43	0.0001	2.66	0.00	0
GWT-22	25Y-72H	99.00	2.43	0.0001	10.92	0.00	0
GWT-25	25Y-72H	99.00	2.43	0.0001	0.29	0.00	0
GWT-4	25Y-72H	99.00	2.43	0.0001	5.96	0.00	0
GWT-5	25Y-72H	99.00	2.43	0.0001	6.62	0.00	0
POND 20W3	25Y-72H	5.84	5.23	0.0006	104.63	90.77	30045
POND 20W4	25Y-72H	5.48	5.11	0.0008	116.85	51.84	68112
POND 20W5	25Y-72H	5.43	3.13	0.0001	30.52	30.48	11049
POND 20W6	25Y-72H	4.87	4.21	0.0251	20.43	25.23	26088
VEN	25Y-72H	99.00	2.43	0.0001	30.48	0.02	0

Link Min/Max Conditions [System 20 - Post Dev]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX20PONDW3_PONDW4	100Y-1H	111.93	0.00	-0.12	5.04	6.70	5.66
EX20PONDW4_PONDW5	100Y-1H	25.52	-0.34	0.02	3.45	6.02	4.73
EX20PONDW6_S09	100Y-1H	25.23	-10.21	0.97	8.03	8.03	8.03
EX20S01_20GW01	100Y-1H	1.81	0.00	0.00	0.00	0.00	0.00
EX20S01_S02	100Y-1H	0.48	-1.19	1.04	-0.38	-0.38	-0.38
EX20S02_20GW02	100Y-1H	2.90	0.00	0.00	0.00	0.00	0.00
EX20S02_S03	100Y-1H	4.07	-2.16	-1.25	1.30	1.30	1.30
EX20S03_S04	100Y-1H	3.97	-1.84	0.76	1.26	1.26	1.26
EX20S04_20GW04	100Y-1H	6.45	0.00	0.00	0.00	0.00	0.00
EX20S04_S05	100Y-1H	2.73	-4.62	-0.30	-1.47	-1.47	-1.47
EX20S05_20GW05	100Y-1H	7.14	0.00	0.00	0.00	0.00	0.00
EX20S05_S06	100Y-1H	0.89	-8.42	-0.08	-2.68	-2.68	-2.68
EX20S06_S07	100Y-1H	8.55	-7.75	1.07	2.72	2.72	2.72
EX20S07_S08	100Y-1H	9.63	-7.69	1.01	3.07	3.07	3.07
EX20S08_S09	100Y-1H	10.95	-7.67	-1.47	3.48	3.48	3.48
EX20S09_S11	100Y-1H	7.33	-3.27	1.81	2.33	2.33	2.33
EX20S11_S13	100Y-1H	5.42	-3.24	-1.19	1.73	1.73	1.73
EX20S12_20GW12	100Y-1H	0.09	0.00	0.00	0.00	0.00	0.00
EX20S12_WEIR	100Y-1H	1.54	-0.02	-0.03	0.92	0.92	0.92
EX20S13_S14	100Y-1H	5.60	-3.21	-1.46	1.78	1.78	1.78
EX20S14_20GW14	100Y-1H	3.31	0.00	0.00	0.00	0.00	0.00
EX20S14_S15	100Y-1H	4.26	-4.27	-1.76	-0.87	-0.87	-0.87
EX20S15_20GW15	100Y-1H	6.27	0.00	-0.01	0.00	0.00	0.00
EX20S15_S16	100Y-1H	2.63	-6.42	1.62	-1.31	-1.31	-1.31
EX20S16_20GW16	100Y-1H	6.05	0.00	-0.01	0.00	0.00	0.00
EX20S16_S17	100Y-1H	2.05	-10.88	-1.62	-2.22	-2.22	-2.22
EX20S17_20GW17	100Y-1H	5.72	0.00	-0.01	0.00	0.00	0.00
EX20S17_S18	100Y-1H	1.38	-15.91	-1.91	-3.24	-3.24	-3.24
EX20S18_20GW18	100Y-1H	2.76	0.00	0.00	0.00	0.00	0.00
EX20S18_S19	100Y-1H	1.24	-18.27	-1.72	-3.72	-3.72	-3.72

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX20S19_S20	100Y-1H	1.11	-18.24	-0.21	-3.72	-5.28	-4.29
EX20S20_S21	100Y-1H	1.60	-18.15	-2.56	-3.70	-3.70	-3.70
EX20S21_S22	100Y-1H	1.13	-18.12	-1.88	-3.69	-3.69	-3.69
EX20S22_20GW22	100Y-1H	13.65	0.00	0.00	0.00	0.00	0.00
EX20S22_WEIR	100Y-1H	31.02	0.00	0.01	1.62	1.62	1.62
EX20S25_20GW25	100Y-1H	0.39	0.00	0.00	0.00	0.00	0.00
EX20S25_WEIR	100Y-1H	1.34	0.00	-0.02	0.88	0.88	0.88
EX20S26_VEN	100Y-1H	29.67	-0.15	-3.31	2.36	2.36	2.36
EX20S26_WEIR	100Y-1H	29.67	0.00	0.01	2.33	2.33	2.33
EX20PONDW3_PONDW4	100Y-24H	20.50	0.00	-0.02	1.87	3.48	2.54
EX20PONDW4_PONDW5	100Y-24H	6.27	-0.07	0.00	1.79	3.89	2.84
EX20PONDW6_S09	100Y-24H	25.23	-0.04	-1.48	8.03	8.03	8.03
EX20S01_20GW01	100Y-24H	0.69	0.00	0.00	0.00	0.00	0.00
EX20S01_S02	100Y-24H	0.01	-0.83	-0.76	-0.26	-0.26	-0.26
EX20S02_20GW02	100Y-24H	1.11	0.00	0.00	0.00	0.00	0.00
EX20S02_S03	100Y-24H	0.11	-1.33	1.33	-0.42	-0.42	-0.42
EX20S03_S04	100Y-24H	0.10	-1.09	-0.93	-0.35	-0.35	-0.35
EX20S04_20GW04	100Y-24H	2.54	0.00	0.00	0.00	0.00	0.00
EX20S04_S05	100Y-24H	0.00	-2.27	0.14	-0.72	-0.72	-0.72
EX20S05_20GW05	100Y-24H	2.90	0.00	0.00	0.00	0.00	0.00
EX20S05_S06	100Y-24H	0.00	-4.31	-0.67	-1.37	-1.37	-1.37
EX20S06_S07	100Y-24H	0.03	-2.88	-1.12	-1.20	-1.42	-1.31
EX20S07_S08	100Y-24H	0.07	-3.79	-1.39	-1.73	-2.06	-1.89
EX20S08_S09	100Y-24H	0.14	-6.26	-1.82	-2.50	-3.01	-2.75
EX20S09_S11	100Y-24H	7.33	-1.61	1.81	2.33	2.33	2.33
EX20S11_S13	100Y-24H	4.91	-1.56	-1.37	1.56	1.56	1.56
EX20S12_20GW12	100Y-24H	0.04	-0.01	-0.01	0.00	0.00	0.00
EX20S12_WEIR	100Y-24H	0.25	0.00	-0.01	0.04	0.04	0.04
EX20S13_S14	100Y-24H	3.97	-1.63	1.45	1.26	1.26	1.26
EX20S14_20GW14	100Y-24H	1.55	0.00	0.00	0.00	0.00	0.00
EX20S14_S15	100Y-24H	3.33	-2.53	-1.92	0.68	0.68	0.68

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX20S15_20GW15	100Y-24H	2.96	0.00	-0.01	0.00	0.00	0.00
EX20S15_S16	100Y-24H	2.49	-4.66	-1.97	-0.95	-0.95	-0.95
EX20S16_20GW16	100Y-24H	2.87	0.00	-0.01	0.00	0.00	0.00
EX20S16_S17	100Y-24H	1.71	-7.00	-1.72	-1.43	-1.43	-1.43
EX20S17_20GW17	100Y-24H	2.72	0.00	0.01	0.00	0.00	0.00
EX20S17_S18	100Y-24H	1.02	-9.51	1.95	-1.94	-1.94	-1.94
EX20S18_20GW18	100Y-24H	1.29	0.00	0.00	0.00	0.00	0.00
EX20S18_S19	100Y-24H	0.50	-10.60	-1.59	-2.16	-2.16	-2.16
EX20S19_S20	100Y-24H	0.01	-10.60	-0.46	-2.67	-4.33	-3.44
EX20S20_S21	100Y-24H	0.23	-10.55	-2.72	-2.15	-2.15	-2.15
EX20S21_S22	100Y-24H	0.07	-10.54	-1.88	-2.15	-2.15	-2.15
EX20S22_20GW22	100Y-24H	6.02	0.00	0.01	0.00	0.00	0.00
EX20S22_WEIR	100Y-24H	16.21	0.00	-0.04	1.59	1.59	1.59
EX20S25_20GW25	100Y-24H	0.17	0.00	0.00	0.00	0.00	0.00
EX20S25_WEIR	100Y-24H	0.30	0.00	-0.01	0.12	0.12	0.12
EX20S26_VEN	100Y-24H	7.92	-0.01	-3.49	0.63	0.63	0.63
EX20S26_WEIR	100Y-24H	7.90	0.00	0.00	1.50	1.50	1.50
EX20PONDW3_PONDW4	100Y-8H	54.58	0.00	-0.04	2.67	4.03	3.08
EX20PONDW4_PONDW5	100Y-8H	25.37	-0.10	0.01	3.43	6.01	4.72
EX20PONDW6_S09	100Y-8H	25.23	-5.13	1.53	8.03	8.03	8.03
EX20S01_20GW01	100Y-8H	1.36	0.00	0.00	0.00	0.00	0.00
EX20S01_S02	100Y-8H	0.04	-1.04	1.03	-0.33	-0.33	-0.33
EX20S02_20GW02	100Y-8H	2.19	0.00	0.00	0.00	0.00	0.00
EX20S02_S03	100Y-8H	1.82	-1.74	-1.52	0.58	0.58	0.58
EX20S03_S04	100Y-8H	1.58	-1.39	-1.27	0.50	0.50	0.50
EX20S04_20GW04	100Y-8H	4.98	0.00	-0.01	0.00	0.00	0.00
EX20S04_S05	100Y-8H	0.00	-3.52	0.54	-1.12	-1.12	-1.12
EX20S05_20GW05	100Y-8H	5.60	0.00	0.00	0.00	0.00	0.00
EX20S05_S06	100Y-8H	0.00	-6.92	-0.35	-2.20	-2.20	-2.20
EX20S06_S07	100Y-8H	2.53	-4.99	-1.09	-1.59	-1.59	-1.59
EX20S07_S08	100Y-8H	3.06	-4.85	-1.47	-1.73	-2.06	-1.89

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX20S08_S09	100Y-8H	3.77	-6.26	1.72	-2.50	-3.01	-2.75
EX20S09_S11	100Y-8H	7.33	-1.95	1.81	2.33	2.33	2.33
EX20S11_S13	100Y-8H	4.91	-1.73	-1.20	1.56	1.56	1.56
EX20S12_20GW12	100Y-8H	0.08	-0.01	-0.01	0.00	0.00	0.00
EX20S12_WEIR	100Y-8H	0.48	-0.01	-0.01	0.06	0.06	0.06
EX20S13_S14	100Y-8H	3.97	-1.83	-1.41	1.26	1.26	1.26
EX20S14_20GW14	100Y-8H	2.84	0.00	0.00	0.00	0.00	0.00
EX20S14_S15	100Y-8H	3.33	-2.95	-1.89	0.68	0.68	0.68
EX20S15_20GW15	100Y-8H	5.37	0.00	-0.01	0.00	0.00	0.00
EX20S15_S16	100Y-8H	2.49	-5.36	-1.57	-1.09	-1.09	-1.09
EX20S16_20GW16	100Y-8H	5.17	0.00	-0.01	0.00	0.00	0.00
EX20S16_S17	100Y-8H	1.71	-9.03	-1.73	-1.84	-1.84	-1.84
EX20S17_20GW17	100Y-8H	4.87	0.00	-0.01	0.00	0.00	0.00
EX20S17_S18	100Y-8H	1.02	-13.34	1.86	-2.72	-2.72	-2.72
EX20S18_20GW18	100Y-8H	2.32	0.00	0.00	0.00	0.00	0.00
EX20S18_S19	100Y-8H	0.50	-15.22	1.57	-3.10	-3.10	-3.10
EX20S19_S20	100Y-8H	0.13	-15.22	0.04	-3.10	-4.09	-3.22
EX20S20_S21	100Y-8H	0.20	-15.11	-2.66	-3.08	-3.08	-3.08
EX20S21_S22	100Y-8H	0.19	-15.10	-1.84	-3.08	-3.08	-3.08
EX20S22_20GW22	100Y-8H	10.82	0.00	-0.01	0.00	0.00	0.00
EX20S22_WEIR	100Y-8H	25.13	0.00	0.01	1.59	1.59	1.59
EX20S25_20GW25	100Y-8H	0.29	0.00	0.00	0.00	0.00	0.00
EX20S25_WEIR	100Y-8H	0.38	0.00	-0.01	0.11	0.11	0.11
EX20S26_VEN	100Y-8H	29.23	0.00	-3.39	2.33	2.33	2.33
EX20S26_WEIR	100Y-8H	29.23	0.00	0.01	2.32	2.32	2.32
EX20PONDW3_PONDW4	10Y-1H	71.42	0.00	-0.07	3.28	5.80	4.46
EX20PONDW4_PONDW5	10Y-1H	14.11	-0.29	0.01	2.42	4.96	3.69
EX20PONDW6_S09	10Y-1H	25.23	-5.79	1.31	8.03	8.03	8.03
EX20S01_20GW01	10Y-1H	1.22	0.00	0.00	0.00	0.00	0.00
EX20S01_S02	10Y-1H	0.46	-1.07	0.95	-0.34	-0.35	-0.34
EX20S02_20GW02	10Y-1H	1.96	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX20S02_S03	10Y-1H	2.86	-2.00	-1.41	0.91	0.91	0.91
EX20S03_S04	10Y-1H	2.79	-1.66	0.89	0.89	0.89	0.89
EX20S04_20GW04	10Y-1H	4.43	0.00	0.00	0.00	0.00	0.00
EX20S04_S05	10Y-1H	1.77	-3.88	-0.10	-1.23	-1.24	-1.23
EX20S05_20GW05	10Y-1H	4.95	0.00	0.00	0.00	0.00	0.00
EX20S05_S06	10Y-1H	0.24	-6.93	-0.62	-2.20	-2.20	-2.20
EX20S06_S07	10Y-1H	4.77	-6.48	-1.07	-2.06	-2.06	-2.06
EX20S07_S08	10Y-1H	5.51	-6.44	-1.45	-2.05	-2.06	-2.05
EX20S08_S09	10Y-1H	6.42	-6.44	1.48	-2.50	-3.01	-2.75
EX20S09_S11	10Y-1H	7.33	-3.22	1.81	2.33	2.33	2.33
EX20S11_S13	10Y-1H	5.29	-3.19	-1.19	1.69	1.69	1.69
EX20S12_20GW12	10Y-1H	0.07	0.00	0.00	0.00	0.00	0.00
EX20S12_WEIR	10Y-1H	1.35	-0.01	-0.04	0.88	0.88	0.88
EX20S13_S14	10Y-1H	5.47	-3.17	1.43	1.74	1.74	1.74
EX20S14_20GW14	10Y-1H	2.54	0.00	-0.01	0.00	0.00	0.00
EX20S14_S15	10Y-1H	4.14	-4.21	-2.05	-0.86	-0.86	-0.86
EX20S15_20GW15	10Y-1H	4.81	0.00	-0.01	0.00	0.00	0.00
EX20S15_S16	10Y-1H	2.49	-6.34	1.57	-1.29	-1.29	-1.29
EX20S16_20GW16	10Y-1H	4.66	0.00	-0.01	0.00	0.00	0.00
EX20S16_S17	10Y-1H	1.92	-9.90	-1.73	-2.02	-2.02	-2.02
EX20S17_20GW17	10Y-1H	4.42	0.00	-0.01	0.00	0.00	0.00
EX20S17_S18	10Y-1H	1.35	-13.92	-1.90	-2.84	-2.84	-2.84
EX20S18_20GW18	10Y-1H	2.14	0.00	0.00	0.00	0.00	0.00
EX20S18_S19	10Y-1H	1.26	-15.78	1.64	-3.21	-3.21	-3.21
EX20S19_S20	10Y-1H	0.94	-15.76	-0.17	-3.34	-5.27	-4.28
EX20S20_S21	10Y-1H	1.48	-15.69	-2.59	-3.20	-3.20	-3.20
EX20S21_S22	10Y-1H	1.00	-15.68	-1.85	-3.19	-3.19	-3.19
EX20S22_20GW22	10Y-1H	10.57	0.00	0.00	0.00	0.00	0.00
EX20S22_WEIR	10Y-1H	25.76	0.00	0.02	1.62	1.62	1.62
EX20S25_20GW25	10Y-1H	0.32	0.00	0.00	0.00	0.00	0.00
EX20S25_WEIR	10Y-1H	1.25	0.00	-0.03	0.86	0.86	0.86
EX20S26_VEN	10Y-1H	16.52	-0.05	3.23	1.31	1.31	1.31
EX20S26_WEIR	10Y-1H	16.51	0.00	0.01	1.92	1.92	1.92

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX20PONDW3_PONDW4	10Y-24H	14.44	0.00	-0.01	1.78	3.40	2.49
EX20PONDW4_PONDW5	10Y-24H	2.50	-0.07	0.00	1.29	2.99	2.14
EX20PONDW6_S09	10Y-24H	25.23	-0.49	1.41	8.03	8.03	8.03
EX20S01_20GW01	10Y-24H	0.49	0.00	0.00	0.00	0.00	0.00
EX20S01_S02	10Y-24H	0.01	-0.73	-0.68	-0.23	-0.23	-0.23
EX20S02_20GW02	10Y-24H	0.79	0.00	0.00	0.00	0.00	0.00
EX20S02_S03	10Y-24H	0.08	-1.23	1.23	-0.39	-0.39	-0.39
EX20S03_S04	10Y-24H	0.08	-1.06	-0.94	-0.34	-0.34	-0.34
EX20S04_20GW04	10Y-24H	1.80	0.00	0.00	0.00	0.00	0.00
EX20S04_S05	10Y-24H	0.00	-1.79	0.17	-0.57	-0.57	-0.57
EX20S05_20GW05	10Y-24H	2.05	0.00	0.00	0.00	0.00	0.00
EX20S05_S06	10Y-24H	0.00	-3.30	0.77	-1.05	-1.05	-1.05
EX20S06_S07	10Y-24H	0.03	-2.42	-1.28	-1.20	-1.42	-1.31
EX20S07_S08	10Y-24H	0.05	-3.79	-1.35	-1.73	-2.06	-1.89
EX20S08_S09	10Y-24H	0.11	-6.26	-1.79	-2.50	-3.01	-2.75
EX20S09_S11	10Y-24H	7.33	-1.70	1.81	2.33	2.33	2.33
EX20S11_S13	10Y-24H	4.91	-1.56	-1.32	1.56	1.56	1.56
EX20S12_20GW12	10Y-24H	0.03	-0.02	-0.02	0.00	0.00	0.00
EX20S12_WEIR	10Y-24H	0.26	0.00	0.00	0.03	0.03	0.03
EX20S13_S14	10Y-24H	3.97	-1.59	1.47	1.26	1.26	1.26
EX20S14_20GW14	10Y-24H	1.11	0.00	0.00	0.00	0.00	0.00
EX20S14_S15	10Y-24H	3.33	-2.49	1.74	0.68	0.68	0.68
EX20S15_20GW15	10Y-24H	2.12	0.00	-0.01	0.00	0.00	0.00
EX20S15_S16	10Y-24H	2.49	-4.09	1.85	-0.83	-0.83	-0.83
EX20S16_20GW16	10Y-24H	2.06	0.00	-0.01	0.00	0.00	0.00
EX20S16_S17	10Y-24H	1.71	-5.85	-1.71	-1.19	-1.19	-1.19
EX20S17_20GW17	10Y-24H	1.95	0.00	-0.01	0.00	0.00	0.00
EX20S17_S18	10Y-24H	1.02	-7.66	-2.00	-1.56	-1.56	-1.56
EX20S18_20GW18	10Y-24H	0.92	0.00	0.00	0.00	0.00	0.00
EX20S18_S19	10Y-24H	0.50	-8.45	-1.73	-1.72	-1.72	-1.72
EX20S19_S20	10Y-24H	0.01	-8.45	-0.54	-2.48	-3.97	-3.11

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX20S20_S21	10Y-24H	0.14	-8.44	-3.09	-1.72	-1.72	-1.72
EX20S21_S22	10Y-24H	0.22	-8.42	-1.89	-1.72	-1.72	-1.72
EX20S22_20GW22	10Y-24H	4.35	0.00	-0.01	0.00	0.00	0.00
EX20S22_WEIR	10Y-24H	12.54	0.00	0.06	1.55	1.55	1.55
EX20S25_20GW25	10Y-24H	0.14	0.00	0.00	0.00	0.00	0.00
EX20S25_WEIR	10Y-24H	0.33	0.00	-0.01	0.11	0.11	0.11
EX20S26_VEN	10Y-24H	5.13	0.00	-3.47	0.41	0.41	0.41
EX20S26_WEIR	10Y-24H	3.53	0.00	0.00	1.15	1.15	1.15
EX20PONDW3_PONDW4	10Y-8H	40.92	0.00	-0.07	2.56	4.33	3.29
EX20PONDW4_PONDW5	10Y-8H	15.26	-0.09	0.01	2.50	5.08	3.79
EX20PONDW6_S09	10Y-8H	25.23	-3.92	1.43	8.03	8.03	8.03
EX20S01_20GW01	10Y-8H	0.99	0.00	0.00	0.00	0.00	0.00
EX20S01_S02	10Y-8H	0.03	-0.94	0.91	-0.30	-0.30	-0.30
EX20S02_20GW02	10Y-8H	1.60	0.00	0.00	0.00	0.00	0.00
EX20S02_S03	10Y-8H	1.55	-1.59	-1.50	-0.51	-0.51	-0.51
EX20S03_S04	10Y-8H	1.31	-1.32	-0.95	-0.42	-0.42	-0.42
EX20S04_20GW04	10Y-8H	3.63	0.00	0.00	0.00	0.00	0.00
EX20S04_S05	10Y-8H	0.00	-2.83	-0.18	-0.90	-0.90	-0.90
EX20S05_20GW05	10Y-8H	4.08	0.00	0.00	0.00	0.00	0.00
EX20S05_S06	10Y-8H	0.00	-5.46	-0.46	-1.74	-1.74	-1.74
EX20S06_S07	10Y-8H	1.72	-4.13	1.16	-1.32	-1.42	-1.32
EX20S07_S08	10Y-8H	1.96	-4.04	-1.26	-1.73	-2.06	-1.89
EX20S08_S09	10Y-8H	2.40	-6.26	-1.70	-2.50	-3.01	-2.75
EX20S09_S11	10Y-8H	7.33	-1.93	1.81	2.33	2.33	2.33
EX20S11_S13	10Y-8H	4.91	-1.65	1.34	1.56	1.56	1.56
EX20S12_20GW12	10Y-8H	0.06	-0.01	-0.01	0.00	0.00	0.00
EX20S12_WEIR	10Y-8H	0.42	-0.01	-0.02	0.07	0.07	0.07
EX20S13_S14	10Y-8H	3.97	-1.71	1.40	1.26	1.26	1.26
EX20S14_20GW14	10Y-8H	2.12	0.00	0.00	0.00	0.00	0.00
EX20S14_S15	10Y-8H	3.33	-2.69	-1.90	0.68	0.68	0.68
EX20S15_20GW15	10Y-8H	4.02	0.00	-0.01	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX20S15_S16	10Y-8H	2.49	-5.25	-1.67	-1.07	-1.07	-1.07
EX20S16_20GW16	10Y-8H	3.89	0.00	-0.01	0.00	0.00	0.00
EX20S16_S17	10Y-8H	1.71	-8.07	-1.66	-1.64	-1.64	-1.64
EX20S17_20GW17	10Y-8H	3.68	0.00	-0.01	0.00	0.00	0.00
EX20S17_S18	10Y-8H	1.02	-11.38	-1.98	-2.32	-2.32	-2.32
EX20S18_20GW18	10Y-8H	1.75	0.00	0.00	0.00	0.00	0.00
EX20S18_S19	10Y-8H	0.50	-12.82	1.76	-2.61	-2.61	-2.61
EX20S19_S20	10Y-8H	0.10	-12.82	-0.07	-2.70	-4.07	-3.20
EX20S20_S21	10Y-8H	0.22	-12.74	-2.63	-2.60	-2.60	-2.60
EX20S21_S22	10Y-8H	0.10	-12.74	1.91	-2.59	-2.59	-2.59
EX20S22_20GW22	10Y-8H	8.08	0.00	-0.01	0.00	0.00	0.00
EX20S22_WEIR	10Y-8H	20.25	0.00	-0.01	1.58	1.58	1.58
EX20S25_20GW25	10Y-8H	0.22	0.00	0.00	0.00	0.00	0.00
EX20S25_WEIR	10Y-8H	0.31	0.00	-0.01	0.13	0.13	0.13
EX20S26_VEN	10Y-8H	17.95	0.00	-3.44	1.43	1.43	1.43
EX20S26_WEIR	10Y-8H	17.95	0.00	0.01	1.97	1.97	1.97
EX20PONDW3_PONDW4	25Y-72H	90.39	0.00	-0.06	4.07	5.58	4.47
EX20PONDW4_PONDW5	25Y-72H	26.59	-0.08	0.02	3.59	6.11	4.85
EX20PONDW6_S09	25Y-72H	25.23	-10.54	-1.29	8.03	8.03	8.03
EX20S01_20GW01	25Y-72H	1.66	0.00	0.00	0.00	0.00	0.00
EX20S01_S02	25Y-72H	0.22	-1.08	1.04	-0.34	-0.34	-0.34
EX20S02_20GW02	25Y-72H	2.66	0.00	0.00	0.00	0.00	0.00
EX20S02_S03	25Y-72H	2.96	-1.84	1.46	0.94	0.94	0.94
EX20S03_S04	25Y-72H	2.89	-1.51	-0.97	0.92	0.92	0.92
EX20S04_20GW04	25Y-72H	5.96	0.00	0.00	0.00	0.00	0.00
EX20S04_S05	25Y-72H	1.62	-3.89	0.23	-1.24	-1.24	-1.24
EX20S05_20GW05	25Y-72H	6.62	0.00	0.00	0.00	0.00	0.00
EX20S05_S06	25Y-72H	0.56	-7.32	-0.82	-2.33	-2.33	-2.33
EX20S06_S07	25Y-72H	8.49	-5.62	-1.24	2.70	2.70	2.70
EX20S07_S08	25Y-72H	9.33	-5.45	-1.51	2.97	2.97	2.97
EX20S08_S09	25Y-72H	10.40	-6.26	-1.77	3.31	3.31	3.31

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EX20S09_S11	25Y-72H	7.33	-1.55	1.81	2.33	2.33	2.33
EX20S11_S13	25Y-72H	4.91	-1.56	-1.37	1.56	1.56	1.56
EX20S12_20GW12	25Y-72H	0.08	-0.02	-0.02	0.00	0.00	0.00
EX20S12_WEIR	25Y-72H	0.33	0.00	-0.01	0.04	0.04	0.04
EX20S13_S14	25Y-72H	3.97	-1.53	1.45	1.26	1.26	1.26
EX20S14_20GW14	25Y-72H	2.87	0.00	0.01	0.00	0.00	0.00
EX20S14_S15	25Y-72H	3.33	-2.53	-1.81	0.68	0.68	0.68
EX20S15_20GW15	25Y-72H	5.43	0.00	-0.01	0.00	0.00	0.00
EX20S15_S16	25Y-72H	2.49	-5.09	-1.92	-1.04	-1.04	-1.04
EX20S16_20GW16	25Y-72H	5.23	0.00	-0.01	0.00	0.00	0.00
EX20S16_S17	25Y-72H	1.71	-9.08	-1.81	-1.85	-1.85	-1.85
EX20S17_20GW17	25Y-72H	4.92	0.00	-0.01	0.00	0.00	0.00
EX20S17_S18	25Y-72H	1.02	-13.43	-2.09	-2.74	-2.74	-2.74
EX20S18_20GW18	25Y-72H	2.35	0.00	0.00	0.00	0.00	0.00
EX20S18_S19	25Y-72H	0.50	-15.38	-1.90	-3.13	-3.13	-3.13
EX20S19_S20	25Y-72H	0.22	-15.36	-0.78	-3.13	-3.13	-3.13
EX20S20_S21	25Y-72H	0.16	-15.26	-3.03	-3.11	-3.11	-3.11
EX20S21_S22	25Y-72H	0.24	-15.24	-1.93	-3.11	-3.11	-3.11
EX20S22_20GW22	25Y-72H	10.92	0.00	0.01	0.00	0.00	0.00
EX20S22_WEIR	25Y-72H	25.38	0.00	-0.06	1.50	1.50	1.50
EX20S25_20GW25	25Y-72H	0.29	0.00	0.00	0.00	0.00	0.00
EX20S25_WEIR	25Y-72H	0.54	0.00	0.00	0.10	0.10	0.10
EX20S26_VEN	25Y-72H	30.48	-0.02	-3.44	2.43	2.43	2.43
EX20S26_WEIR	25Y-72H	30.48	0.00	0.02	2.35	2.35	2.35

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S01	100Y-1H	9614	9611	2
EX20S01	100Y-24H	31618	31604	14
EX20S01	100Y-8H	18685	18665	20
EX20S01	10Y-1H	6743	6747	-4
EX20S01	10Y-24H	21741	21743	-2
EX20S01	10Y-8H	13963	13935	28
EX20S01	25Y-72H	31466	31395	71

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S02	100Y-1H	25723	25726	-3
EX20S02	100Y-24H	68992	69063	-71
EX20S02	100Y-8H	43714	43703	11
EX20S02	10Y-1H	17790	17781	9
EX20S02	10Y-24H	48012	48075	-63
EX20S02	10Y-8H	32778	32790	-12
EX20S02	25Y-72H	72614	72523	91

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S03	100Y-1H	17131	17134	-3
EX20S03	100Y-24H	29406	29310	96
EX20S03	100Y-8H	20034	20058	-24
EX20S03	10Y-1H	11761	11768	-7
EX20S03	10Y-24H	22415	22329	85
EX20S03	10Y-8H	16240	16252	-11
EX20S03	25Y-72H	34721	34660	61

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S04	100Y-1H	46437	46430	7
EX20S04	100Y-24H	145738	145778	-40
EX20S04	100Y-8H	83657	83665	-8
EX20S04	10Y-1H	32512	32505	7
EX20S04	10Y-24H	102602	102623	-21
EX20S04	10Y-8H	64095	64101	-6

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S04	25Y-72H	146803	146585	219

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S05	100Y-1H	68779	68781	-2
EX20S05	100Y-24H	248565	248566	-1
EX20S05	100Y-8H	136797	136797	0
EX20S05	10Y-1H	49088	49090	-3
EX20S05	10Y-24H	174651	174652	-1
EX20S05	10Y-8H	105281	105281	0
EX20S05	25Y-72H	241412	241168	245

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S06	100Y-1H	66515	66514	0
EX20S06	100Y-24H	217294	217272	22
EX20S06	100Y-8H	122077	122077	0
EX20S06	10Y-1H	46074	46072	2
EX20S06	10Y-24H	155041	154994	47
EX20S06	10Y-8H	93811	93811	0
EX20S06	25Y-72H	220089	219971	118

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S07	100Y-1H	60864	60864	1
EX20S07	100Y-24H	156046	156193	-147
EX20S07	100Y-8H	89867	89869	-2
EX20S07	10Y-1H	41642	41643	-1
EX20S07	10Y-24H	117834	118094	-260
EX20S07	10Y-8H	71700	71697	4
EX20S07	25Y-72H	169381	169552	-171

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S08	100Y-1H	62131	62133	-2
EX20S08	100Y-24H	149427	148958	469
EX20S08	100Y-8H	88828	88825	3
EX20S08	10Y-1H	42161	42159	3
EX20S08	10Y-24H	113720	113231	488
EX20S08	10Y-8H	70839	70819	20
EX20S08	25Y-72H	165957	165515	443

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S09	100Y-1H	70226	70221	5
EX20S09	100Y-24H	141515	142333	-818
EX20S09	100Y-8H	99591	99610	-18
EX20S09	10Y-1H	45618	45624	-6
EX20S09	10Y-24H	108829	109513	-684
EX20S09	10Y-8H	76390	76457	-67
EX20S09	25Y-72H	170658	171115	-457

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S11	100Y-1H	26579	26589	-9
EX20S11	100Y-24H	62707	62375	332
EX20S11	100Y-8H	30748	30709	38
EX20S11	10Y-1H	19781	19781	0
EX20S11	10Y-24H	57684	57275	409
EX20S11	10Y-8H	22483	22452	31
EX20S11	25Y-72H	58228	57898	330

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S12	100Y-1H	649	649	0
EX20S12	100Y-24H	1530	1530	0
EX20S12	100Y-8H	1163	1163	0
EX20S12	10Y-1H	442	442	0
EX20S12	10Y-24H	978	978	0
EX20S12	10Y-8H	836	836	0
EX20S12	25Y-72H	1177	1141	35

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S13	100Y-1H	28047	28042	5
EX20S13	100Y-24H	55711	55983	-273
EX20S13	100Y-8H	30635	30632	4
EX20S13	10Y-1H	20665	20664	1
EX20S13	10Y-24H	52959	53395	-436
EX20S13	10Y-8H	20669	20671	-2
EX20S13	25Y-72H	55862	56142	-280

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S14	100Y-1H	38290	38280	9
EX20S14	100Y-24H	123542	122975	567
EX20S14	100Y-8H	58469	58485	-16
EX20S14	10Y-1H	30729	30733	-4
EX20S14	10Y-24H	99928	99148	780
EX20S14	10Y-8H	48600	48605	-5
EX20S14	25Y-72H	110596	110131	465

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S15	100Y-1H	66161	66169	-7
EX20S15	100Y-24H	259915	260476	-561
EX20S15	100Y-8H	125800	125811	-11
EX20S15	10Y-1H	53552	53551	0
EX20S15	10Y-24H	193002	193737	-735
EX20S15	10Y-8H	106607	106620	-12
EX20S15	25Y-72H	232259	232805	-546

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S16	100Y-1H	100966	100947	20
EX20S16	100Y-24H	384347	384178	169
EX20S16	100Y-8H	198231	198202	29
EX20S16	10Y-1H	78568	78540	28
EX20S16	10Y-24H	278644	278380	264
EX20S16	10Y-8H	161027	160979	48

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S16	25Y-72H	356719	355517	1201

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S17	100Y-1H	132459	132416	43
EX20S17	100Y-24H	491941	491840	101
EX20S17	100Y-8H	260399	260355	43
EX20S17	10Y-1H	101075	101037	37
EX20S17	10Y-24H	352488	352398	90
EX20S17	10Y-8H	207976	207935	41
EX20S17	25Y-72H	462240	461886	354

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S18	100Y-1H	147468	147470	-2
EX20S18	100Y-24H	542050	542060	-10
EX20S18	100Y-8H	289786	289794	-8
EX20S18	10Y-1H	111674	111675	-1
EX20S18	10Y-24H	386468	386469	0
EX20S18	10Y-8H	230001	230001	-1
EX20S18	25Y-72H	511004	510763	241

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S19	100Y-1H	144080	144138	-59
EX20S19	100Y-24H	533239	533393	-154
EX20S19	100Y-8H	283556	283613	-56
EX20S19	10Y-1H	109297	109355	-58
EX20S19	10Y-24H	380625	380792	-167
EX20S19	10Y-8H	225597	225663	-66
EX20S19	25Y-72H	500328	501671	-1343

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S20	100Y-1H	144111	144000	111
EX20S20	100Y-24H	533518	533248	270
EX20S20	100Y-8H	283650	283548	102
EX20S20	10Y-1H	109332	109233	99
EX20S20	10Y-24H	380907	380633	274
EX20S20	10Y-8H	225698	225591	106
EX20S20	25Y-72H	502974	500335	2639

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S21	100Y-1H	143076	143168	-93
EX20S21	100Y-24H	531047	531146	-99
EX20S21	100Y-8H	281878	281959	-81
EX20S21	10Y-1H	108605	108685	-80
EX20S21	10Y-24H	379248	379362	-114
EX20S21	10Y-8H	224437	224517	-80
EX20S21	25Y-72H	498596	500401	-1805

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S22	100Y-1H	253967	253985	-18
EX20S22	100Y-24H	822646	822798	-153
EX20S22	100Y-8H	453602	453622	-20
EX20S22	10Y-1H	192397	192415	-18
EX20S22	10Y-24H	582424	582568	-144
EX20S22	10Y-8H	351592	351617	-25
EX20S22	25Y-72H	856434	857047	-614

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S25	100Y-1H	6479	6479	0
EX20S25	100Y-24H	12700	12700	0
EX20S25	100Y-8H	8360	8360	0
EX20S25	10Y-1H	5767	5767	0
EX20S25	10Y-24H	11050	11049	0
EX20S25	10Y-8H	7186	7186	0
EX20S25	25Y-72H	29960	29925	35

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
EX20S26	100Y-1H	128587	128618	-32
EX20S26	100Y-24H	227831	227698	133
EX20S26	100Y-8H	290647	290649	-2
EX20S26	10Y-1H	65760	65794	-34
EX20S26	10Y-24H	100894	100712	182
EX20S26	10Y-8H	167470	167475	-5
EX20S26	25Y-72H	262503	262369	134

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-1	100Y-1H	9005	0	9005
GWT-1	100Y-24H	31553	1	31552
GWT-1	100Y-8H	18599	1	18598
GWT-1	10Y-1H	6357	0	6357
GWT-1	10Y-24H	21697	1	21696
GWT-1	10Y-8H	13873	1	13872
GWT-1	25Y-72H	31037	1	31036

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-12	100Y-1H	600	0	600
GWT-12	100Y-24H	1517	5	1512
GWT-12	100Y-8H	1128	2	1127
GWT-12	10Y-1H	421	0	421
GWT-12	10Y-24H	968	7	961
GWT-12	10Y-8H	807	3	804
GWT-12	25Y-72H	1136	8	1128

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-14	100Y-1H	22040	0	22040
GWT-14	100Y-24H	72688	0	72687
GWT-14	100Y-8H	43472	0	43472
GWT-14	10Y-1H	15760	0	15760
GWT-14	10Y-24H	49871	1	49870
GWT-14	10Y-8H	32411	1	32410

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-14	25Y-72H	72494	1	72494

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-15	100Y-1H	41942	0	41942
GWT-15	100Y-24H	138523	0	138523
GWT-15	100Y-8H	82644	1	82644
GWT-15	10Y-1H	30041	0	30041
GWT-15	10Y-24H	95182	1	95181
GWT-15	10Y-8H	61703	1	61702
GWT-15	25Y-72H	138393	1	138392

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-16	100Y-1H	40813	0	40813
GWT-16	100Y-24H	134339	0	134338
GWT-16	100Y-8H	80094	1	80094
GWT-16	10Y-1H	29290	0	29290
GWT-16	10Y-24H	92181	1	92180
GWT-16	10Y-8H	59872	1	59871
GWT-16	25Y-72H	134059	1	134058

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-17	100Y-1H	38902	0	38902
GWT-17	100Y-24H	126102	0	126102
GWT-17	100Y-8H	75577	1	75577
GWT-17	10Y-1H	27890	0	27890
GWT-17	10Y-24H	86030	1	86029
GWT-17	10Y-8H	56400	1	56399
GWT-17	25Y-72H	125104	1	125103

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-18	100Y-1H	18717	0	18717
GWT-18	100Y-24H	58947	0	58946
GWT-18	100Y-8H	35815	0	35814
GWT-18	10Y-1H	13342	0	13342
GWT-18	10Y-24H	39807	1	39806
GWT-18	10Y-8H	26562	1	26561
GWT-18	25Y-72H	57970	0	57970

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-2	100Y-1H	14479	0	14479
GWT-2	100Y-24H	50818	1	50817
GWT-2	100Y-8H	29919	1	29918
GWT-2	10Y-1H	10227	0	10227
GWT-2	10Y-24H	34979	2	34977
GWT-2	10Y-8H	22328	3	22325
GWT-2	25Y-72H	50113	1	50112

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-22	100Y-1H	111173	0	111173
GWT-22	100Y-24H	291793	2	291791
GWT-22	100Y-8H	171847	4	171843
GWT-22	10Y-1H	84065	0	84065
GWT-22	10Y-24H	203358	4	203355
GWT-22	10Y-8H	127282	5	127277
GWT-22	25Y-72H	358469	2	358467

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-25	100Y-1H	6479	0	6479
GWT-25	100Y-24H	12700	0	12700
GWT-25	100Y-8H	8360	0	8360
GWT-25	10Y-1H	5767	0	5767
GWT-25	10Y-24H	11049	0	11049
GWT-25	10Y-8H	7186	0	7186
GWT-25	25Y-72H	29925	0	29925

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-4	100Y-1H	33018	0	33018
GWT-4	100Y-24H	116787	2	116785
GWT-4	100Y-8H	68478	3	68476
GWT-4	10Y-1H	23395	0	23395
GWT-4	10Y-24H	80557	4	80553
GWT-4	10Y-8H	51166	5	51161
GWT-4	25Y-72H	115467	2	115464

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
GWT-5	100Y-1H	38521	0	38521
GWT-5	100Y-24H	133404	2	133402
GWT-5	100Y-8H	78763	2	78761
GWT-5	10Y-1H	27193	0	27193
GWT-5	10Y-24H	91698	4	91694
GWT-5	10Y-8H	58662	5	58656
GWT-5	25Y-72H	132517	2	132515

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 20W3	100Y-1H	287999	287611	388
POND 20W3	100Y-24H	781623	781359	265
POND 20W3	100Y-8H	554282	553997	284
POND 20W3	10Y-1H	196401	196125	276
POND 20W3	10Y-24H	511662	511396	267
POND 20W3	10Y-8H	388562	388297	265
POND 20W3	25Y-72H	844388	844029	359

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 20W4	100Y-1H	353994	353422	573
POND 20W4	100Y-24H	968479	967754	726
POND 20W4	100Y-8H	686924	686200	724
POND 20W4	10Y-1H	239736	238986	750
POND 20W4	10Y-24H	630916	630198	718
POND 20W4	10Y-8H	479805	479066	738

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 20W4	25Y-72H	1042889	1042255	634

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 20W5	100Y-1H	130179	129735	444
POND 20W5	100Y-24H	229474	229038	436
POND 20W5	100Y-8H	292225	291784	441
POND 20W5	10Y-1H	67355	66915	440
POND 20W5	10Y-24H	102711	102279	432
POND 20W5	10Y-8H	169048	168611	438
POND 20W5	25Y-72H	277007	276576	431

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
POND 20W6	100Y-1H	39850	39961	-112
POND 20W6	100Y-24H	73957	73778	178
POND 20W6	100Y-8H	66863	66971	-108
POND 20W6	10Y-1H	24185	24294	-109
POND 20W6	10Y-24H	48453	48367	86
POND 20W6	10Y-8H	48186	48280	-94
POND 20W6	25Y-72H	100125	100056	68

Node Mass Balance Condensed [System 20 - Post Dev]

Node Name	Sim Name	Total Inflow [ft3]	Total Outflow [ft3]	Stored Volume (Flow Based) [ft3]
VEN	100Y-1H	128618	19	128599
VEN	100Y-24H	227698	18	227680
VEN	100Y-8H	290649	27	290622
VEN	10Y-1H	65794	12	65781
VEN	10Y-24H	100712	20	100692
VEN	10Y-8H	167475	31	167444
VEN	25Y-72H	262369	5	262364